

First 2023 Semiannual Water Quality Monitoring Report

Pasco County Solid Waste Resource Recovery Facility

Pasco County
Public Infrastructure Branch Solid Waste Department
14855 Softwind Lane
Spring Hill, FL 34610



SCS ENGINEERS

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3922 Coconut Palm Drive, Suite 102
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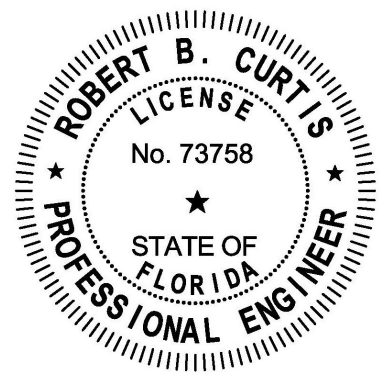
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A handwritten signature in black ink, appearing to read "Fauve Herron".

Fauve Herron, EIT
Staff Professional

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1 INTRODUCTION

This report presents the results of the first 2023 routine semi-annual groundwater monitoring event at Pasco County Solid Waste Resource Recovery Facility (Pasco Landfill). The Pasco Landfill (WACS ID No. 45799) is divided into two waste disposal facilities, the Pasco Class I Landfill, the Pasco Class III Landfill and the Waste-to-Energy Plant (Resource Recovery Facility). This section presents the location of the site, the site background, and the groundwater monitoring program.

LOCATION

The Pasco Landfill is located at 14230 Hays Road, Spring Hill, FL 34610. The property is approximately 800 acres in size. The general site location is shown in **Figure 1**. The site is within Section 25, Township 24 South, Range 17 East, Pasco County, Florida. The geographic coordinates for the facility are latitude 28°22'9", longitude -82°33'37". The facility site plan and groundwater monitoring well locations are presented in **Figure 2** and **Figure 3**.

SITE BACKGROUND

The Pasco Landfill is a waste processing facility licensed under Florida Department of Environmental Protection (FDEP) Permit No. PA87-23. The Pasco Class I Landfill is used for the disposal of ash produced from the combustion of municipal solid waste (MSW) at the Resource Recovery Facility (cells A-1 through A-4) and MSW that cannot be combusted in the Resource Recovery Facility (cells SW-1 and SW-2). Additionally, the Pasco Class III Landfill is used for the disposal of Construction and Demolition (C&D) debris.

2 GROUNDWATER MONITORING PROGRAM

The Pasco Landfill facility has forty-one existing groundwater monitoring wells that are sampled as part of the monitoring requirements established by the Permit. The Pasco Class I Landfill includes twenty-nine groundwater monitoring wells, and the Pasco Class III Landfill includes five groundwater monitoring wells and seven piezometers.

The groundwater at the facility is sampled semi-annually for water quality parameters listed in Rule 62-701.730(8)(c), Florida Administrative Code (FAC). The results presented in this report are submitted for the first 2023 semi-annual groundwater monitoring event.

Field Parameters

- Static water levels before purging
- Specific conductivity
- pH
- Dissolved oxygen
- Turbidity
- Temperature
- Oxidation Reduction Potential (ORP)
- Colors and sheens (by observation)

Laboratory Parameters

- Total Ammonia
- Chlorides
- Nitrate
- Total Dissolved Solids (TDS)
- Mercury
- Silver
- Arsenic
- Barium
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Iron
- Sodium
- Nickel
- Lead
- Antimony
- Selenium
- Titanium
- Vanadium
- Zinc
- Appendix I 8260 VOCs list

Pasco County Class I Landfill

The existing groundwater monitoring wells currently used as part of the ongoing compliance monitoring activities at the Pasco County Class I Landfill are listed in **Table 1, Table 2, and Table 3.** The current water quality monitoring plan for the site includes semi-annual sampling of eleven surficial aquifer groundwater monitoring wells and eighteen upper Floridan aquifer groundwater monitoring wells.

Pasco County Class III Landfill

The existing groundwater monitoring wells currently used as part of the ongoing compliance monitoring activities at the Pasco County Class III Landfill are listed in **Table 4, Table 5, and Table 6 .** The current water quality monitoring plan for the site includes semi-annual sampling of five surficial aquifer groundwater monitoring wells and seven upper Floridan aquifer groundwater monitoring wells.

3 GROUNDWATER QUALITY

This section presents information regarding the sample collection and analysis, and the field and analytical results.

SAMPLE COLLECTION AND ANALYSIS

SCS Engineers (SCS) located in Tampa, Florida, collected the groundwater samples at the Pasco Landfill facility on April 25 through April 27, 2023 in accordance with FDEP Quality Assurance Rules (Chapter 62-160, FAC) and FDEP Standard Operating Procedures (DEP-SOP-001/01). Resampling of six groundwater monitoring wells was performed by SCS on June 27 and June 28, 2023 in accordance with FDEP Quality Assurance Rules (Chapter 62-160, FAC) and FDEP Standard Operating Procedures (DEP-SOP-001/01).

Sample analysis was performed by Eurofins Testing America (Eurofins) in accordance with FDEP Quality Assurance Rules (Chapter 62-160, FAC) and FDEP Standard Operating Procedures (DEP-SOP-002/01). Eurofins is certified through the Florida Department of Health Environmental Laboratory Certification Program, the National Environmental Laboratory Accreditation Program accrediting authority in Florida. The Water Quality Monitoring Certification, FDEP Form 62-701.900(31), prepared in accordance with Rule 62-701.510(8)(a), FAC, is presented in **Appendix A**. Sampling Records for each well are presented in **Appendix B**. An electronic copy of the analytical report is presented in **Appendix C**. An electronic copy of the resampling analytical report is presented in **Appendix D**.

Analysis of groundwater samples included parameters listed in Rule 62-701.730(8)(c), FAC.

FIELD TEST RESULTS

Static water levels were collected from each monitoring well prior to purging and the results are presented in **Table 7**. Static water levels collected during the June 27 and June 28, 2023 resampling event are presented in **Table 8**. The groundwater contour maps for the Class I Landfill and Class III Landfill are presented in **Figure 2** and **Figure 3**. Review of the groundwater elevations revealed a northerly groundwater flow direction, which is generally consistent with the historical flow direction for the site.

A summary of the groundwater monitoring data field observations is presented below and are presented in **Table 9**:

- The pH value of samples collected from the Pasco County Class I Landfill background well 4MW27 (8.89 SU) was above the FDEP acceptable Secondary Drinking Water Standards (SDWS) range of 6.5-8.5 SU.
- The pH value of samples collected from the Pasco County Class I Landfill background well 2MW2 (4.91 SU) was below the FDEP acceptable SDWS range of 6.5-8.5 SU.
- The pH value of samples collected from the Pasco County Class III Landfill detection well 4MW21 (5.28 SU) was below the FDEP acceptable SDWS range of 6.5-8.5 SU.
- All other monitoring wells were within the acceptable SDWS range during the April 2023 sampling event.

These results are consistent with historical data for the site.

ANALYTICAL RESULTS

A summary of the detected groundwater monitoring results is presented in **Table 9**. In accordance with Chapter 62-701, FAC, groundwater results were compared to the Primary Drinking Water Standards (PDWS) and SDWS established in Chapter 62-550, FAC and incorporated via reference in Chapter 62-520, FAC. Chapter 62-777, FAC states the Groundwater Cleanup Target Levels (GCTLs) are default cleanup criteria that apply to site rehabilitation and they are not to be construed to create any new water quality standards pursuant to Chapters 62-302, 62-520, or 62-550, FAC (see Rules 62-777.150(7) and 62-777.170(1)(a) and (b), FAC). Furthermore, per Rule 62-701.510(6)(c)2, FAC, CTLs (only incorporated into Chapter 62-701, FAC via reference to Chapter 62-780, FAC in Rule 62-701.510(7)(c), FAC) are only applicable to solid waste facilities outside of the zone of discharge. Therefore, comparison of the water quality results to GCTLs is not applicable and is not generally provided in this report.

There were no exceedances of the PDWS during this monitoring event. However, there were exceedances of the SDWS identified during this monitoring event. These included pH and iron. A description of the iron exceedance is presented in the following subsection (pH was discussed above).

Iron

Laboratory test results from the groundwater samples indicate the SDWS of 300 micrograms per liter for iron was exceeded in Pasco County Class III Landfill detection well 4MW23 during the April 2023 sampling event.

Accordingly, confirmation sampling of these wells was performed on June 27, 2023, in accordance with Rule 62-701.510(6)(a), FAC to verify these results. Analysis of the resampling of 4MW23 shows an iron concentration of 540ug/L. Therefore, an exceedance was confirmed in the Pasco County Class II Landfill detection piezometer 4MW23.

Elevated iron concentrations above the GCTL is consistent with historical data for the site and the larger region as a whole; both up gradient and downgradient wells have observed slightly elevated concentrations in previous sampling events.

4 CONCLUSION

The information provided in this report indicates there were no exceedances of the PDWS during this monitoring event. However, exceedances of the SDWS were identified at the site. This included pH in both the Pasco County Class I and Class III Landfills and iron in the Pasco County Class III Landfill. The detected concentrations were consistent with historical data for the site, and no trends were noted.

Confirmed iron concentration exceeding the SDWS at Pasco County Class III Landfill piezometer 4MW23. Iron concentrations will continue to be monitored during subsequent monitoring events.

Due to dry conditions, a large number of the surficial aquifer wells were dry, indicating that no surficial aquifer was present. Consequently, these wells were unable to be sampled.

Pasco County will continue to perform routine semi-annual monitoring in general accordance with the facility's license.

Figures

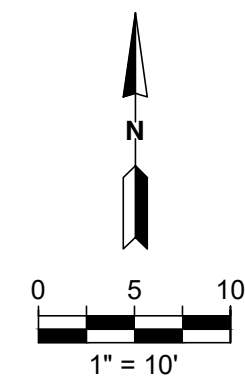
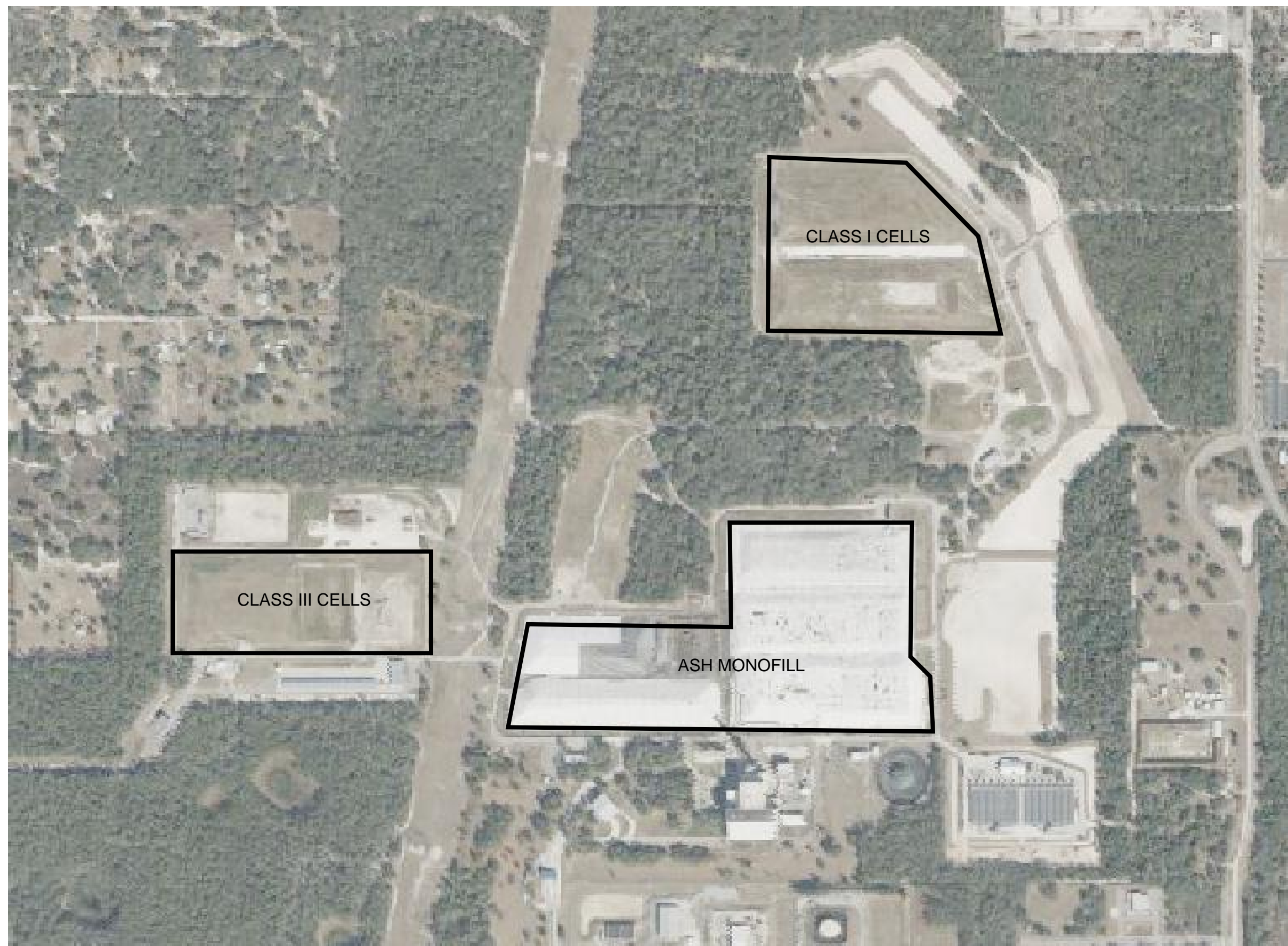
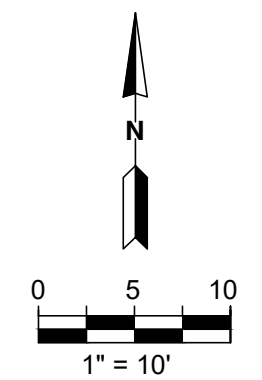
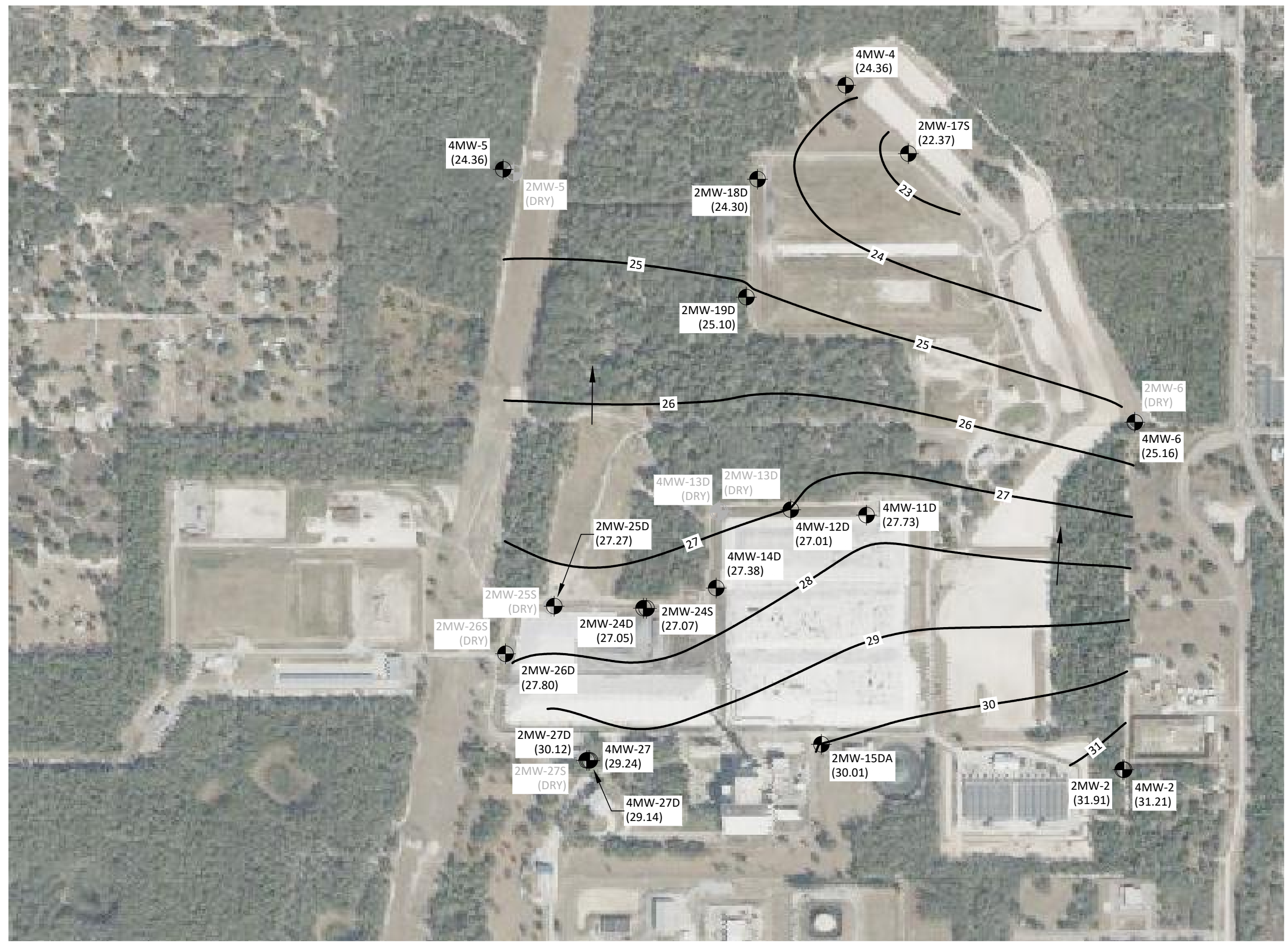


FIGURE 1: SITE MAP
PASCO COUNTY RESOURCE RECOVERY FACILITY
09222055.01



LEGEND



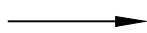
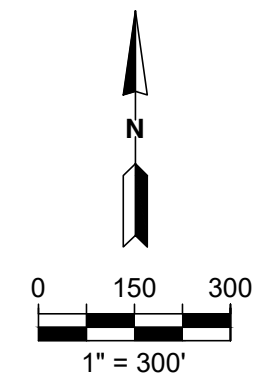
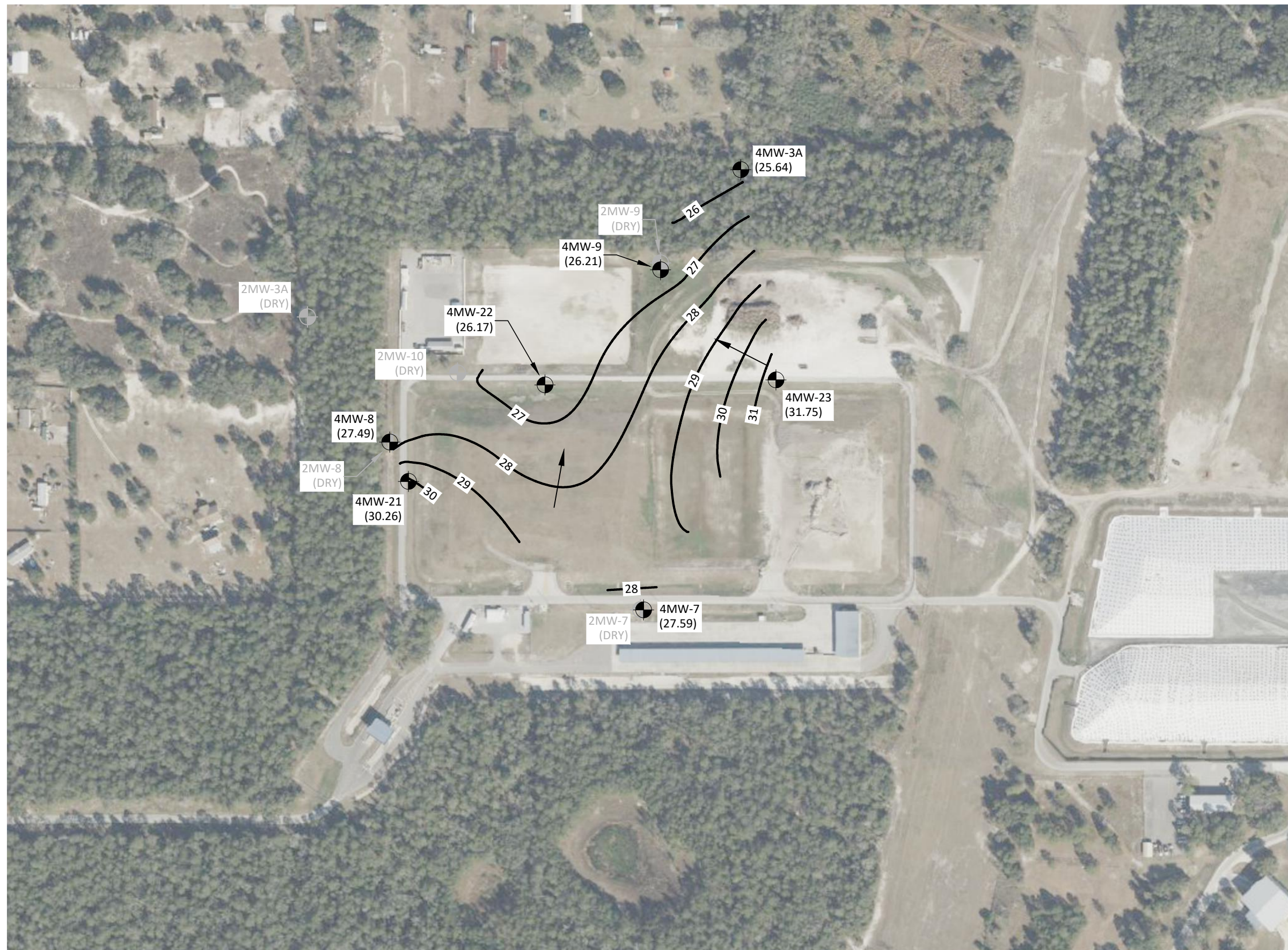
-  PROPERTY BOUNDARY
-  MONITORING WELL LOCATION WITH GROUND WATER ELEVATION IN FT NGVD
-  GROUNDWATER FLOW DIRECTION

FIGURE 2: GROUNDWATER CONTOUR MAP - CLASS I - APRIL 2023
PASCO COUNTY RESOURCE RECOVERY FACILITY, 14230 HAYS ROAD, SPRING HILL, FL



LEGEND

- PROPERTY BOUNDARY
- MONITORING WELL LOCATION WITH GROUND WATER ELEVATION IN FT NGVD
- GROUNDWATER FLOW DIRECTION

FIGURE 3: GROUNDWATER CONTOUR MAP - CLASS III - APRIL 2023
PASCO COUNTY RESOURCE RECOVERY FACILITY, 14230 HAYS ROAD, SPRING HILL, FL

Tables

**Table 1. Class I Landfill Background Groundwater Monitoring Wells
Pasco County Solid Waste Resource Recovery Facility, Pasco County, FL**

Monitoring Well ID	Well Type	Depth
2MW1	Background	Surficial Aquifer
2MW2	Background	Surficial Aquifer
2MW6	Background	Surficial Aquifer
2MW27S	Background	Surficial Aquifer
4MW1	Background	Floridan Aquifer
4MW2	Background	Floridan Aquifer
4MW6	Background	Floridan Aquifer
2MW15AD	Background	Floridan Aquifer
2MW27D	Background	Floridan Aquifer
4MW27	Background	Floridan Aquifer
4MW27D	Background	Floridan Aquifer

**Table 2. Class I Landfill Detection Groundwater Monitoring Wells
Pasco County Solid Waste Resource Recovery Facility, Pasco County, FL**

Monitoring Well ID	Well Type	Depth
2MW13D	Detection	Surficial Aquifer
2MW17S	Detection	Surficial Aquifer
2MW24S	Detection	Surficial Aquifer
2MW25S	Detection	Surficial Aquifer
2MW26S	Detection	Surficial Aquifer
4MW11D	Detection	Floridan Aquifer
4MW12D	Detection	Floridan Aquifer
4MW13D	Detection	Floridan Aquifer
4MW14D	Detection	Floridan Aquifer
2MW18D	Detection	Floridan Aquifer
2MW19D	Detection	Floridan Aquifer
2MW24D	Detection	Floridan Aquifer

**Table 3. Class I Landfill Compliance Groundwater Monitoring Wells
Pasco County Solid Waste Resource Recovery Facility, Pasco County, FL**

Monitoring Well ID	Well Type	Depth
2MW4	Compliance	Surficial Aquifer
2MW5	Compliance	Surficial Aquifer
4MW4	Compliance	Floridan Aquifer
4MW5	Compliance	Floridan Aquifer

**Table 4. Class III Landfill Background Groundwater Monitoring Wells
Pasco County Solid Waste Resource Recovery Facility, Pasco County, FL**

Monitoring Well ID	Well Type	Depth
2MW7	Background	Surficial Aquifer
4MW7	Background	Floridan Aquifer

**Table 5. Class III Landfill Detection Groundwater Monitoring Wells
Pasco County Solid Waste Resource Recovery Facility, Pasco County, FL**

Monitoring Well ID	Well Type	Depth
4MW21	Detection	Floridan Aquifer
4MW22	Detection	Floridan Aquifer
4MW23	Detection	Floridan Aquifer

**Table 6. Class III Landfill Piezometer Groundwater Monitoring Wells
Pasco County Solid Waste Resource Recovery Facility, Pasco County, FL**

Monitoring Well ID	Well Type	Depth
2MW3A	Piezometer	Surficial Aquifer
2MW8	Piezometer	Surficial Aquifer
2MW9	Piezometer	Surficial Aquifer
2MW10	Piezometer	Surficial Aquifer
4MW3A	Piezometer	Floridan Aquifer
4MW8	Piezometer	Floridan Aquifer
4MW9	Piezometer	Floridan Aquifer

Table 7. Groundwater Elevation Measurements, April 2023
Pasco County Solid Waste Resource Recovery Facility, Pasco County, FL

Location ID	Top of Casing Elevation (Feet NGVD)	Depth to Water (Feet Below Top of Casing)	April 2023 Groundwater Elevation (Feet NGVD)
Class I			
2MW1	49.95	---	dry
2MW2	56.41	24.50	31.91
2MW4	54.77	---	dry
2MW5	49.17	---	dry
2MW6	56.11	---	dry
2MW13D	52.39	--	dry
2MW15DA	54.71	24.70	30.01
2MW17S*	53.42	31.05	22.37
2MW18D	52.75	28.45	24.30
2MW19D	52.25	27.15	25.10
2MW24S	50.37	23.30	27.07
2MW24D	50.55	23.50	27.05
2MW25S	47.84	---	dry
2MW25D	47.87	20.60	27.27
2MW26S	54.16	--	dry
2MW26D	54.13	26.33	27.80
2MW27S	50.44	---	dry
2MW27D	50.32	20.20	30.12
4MW1	50.34	---	dry
4MW2	56.11	24.90	31.21
4MW4	50.81	26.45	24.36
4MW5	49.06	23.90	25.16
4MW6	55.93	27.23	28.70
4MW11D	65.00	37.27	27.73
4MW12D	55.03	28.02	27.01
4MW13D*	54.04	---	dry
4MW14D	52.00	24.62	27.38
4MW27	49.60	20.36	29.24
4MW27D	49.28	20.14	29.14
Class III			
2MW3A	50.01	---	dry
2MW7	52.75	---	dry
2MW8	51.97	---	dry
2MW9	52.29	---	dry
2MW10	52.63	---	dry
4MW3A	52.92	27.28	25.64
4MW7	52.62	25.03	27.59
4MW8	51.87	24.38	27.49
4MW9	52.78	26.57	26.21
4MW21	51.46	21.20	30.26
4MW22	53.44	27.27	26.17
4MW23	53.69	21.94	31.75

Notes:

NGVD = National Geodetic Vertical Datum

MW = Monitoring Well

-- = well observed to be dry during monitoring event

* = well observed to be silted in during monitoring event

Table 8. Groundwater Elevation Measurements, June 2023
Pasco County Solid Waste Resource Recovery Facility, Pasco County, FL

Location ID	Top of Casing Elevation (Feet NGVD)	Depth to Water (Feet Below Top of Casing)	June 2023 Groundwater Elevation (Feet NGVD)
Class I			
2MW27D	50.32	21.45	28.87
4MW14D	52.00	25.50	26.50
4MW27	49.60	20.50	29.10
Class III			
4MW21	51.46	24.80	26.66
4MW22	53.44	31.00	22.44
4MW23	53.69	29.90	23.79

Notes:

NGVD = National Geodetic Vertical Datum

MW = Monitoring Well

Table 9. Summary of Groundwater Quality Analytical Results (Detected Parameters Only)
Pasco County Resource Recovery Facility, April 2023

Parameter	Standard	MCL	Units	2MW1	2MW2	2MW3A	2MW4	2MW5	2MW6	2MW13D	2MW15DA	2MW17S	2MW18D	2MW19D	2MW24S	2MW24D
Volatile Organic Compounds																
cis-1,2-Dichloroethene	PDWS	70	µg/L	---	0.53 U	---	---	---	---	---	0.53 U	---	0.53 U	0.53 U J3	0.53 U	0.53 U
Trichloroethene	PDWS	5	µg/L	---	0.89 U	---	---	---	---	---	0.89 U	---	0.89 U	0.89 U J3	0.89 U	0.89 U
Metals																
Barium	PDWS	2000	µg/L	---	21	---	---	---	---	---	9.2	---	11	8.4	26	17
Copper	SDWS	1000	µg/L	---	1.8 I	---	---	---	---	---	1.1 U	---	1.1 U	1.1 U	1.1 U	1.1 U
Iron	SDWS	300	µg/L	---	28 U	---	---	---	---	---	28 U	---	28 U	28 U	110	28 U
Sodium	PDWS	160	mg/L	---	2.2	---	---	---	---	---	3.5	---	12	7.8	9.5	23
Vanadium	NS	NS	µg/L	---	1.1 U	---	---	---	---	---	1.8 I	---	2.5	1.8 I	1.4 I	1.1 I
Zinc	SDWS	5000	µg/L	---	2.2 I	---	---	---	---	---	2.2 U	---	2.2 U	2.2 U	2.2 U	2.2 U
General Chemistry																
Ammonia (N)	NS	NS	mg/L	---	0.014 U	---	---	---	---	---	0.021	---	0.014 U	0.014 U	0.036	0.014 U
Chloride	SDWS	250	mg/L	---	3.9	---	---	---	---	---	5.9	---	40	24	18	48
Nitrate (N)	PDWS	10	mg/L	---	1.1	---	---	---	---	---	0.20 U	---	0.83	0.38 I	3.6	1.7
Total Dissolved Solids (TDS)	SDWS	500	mg/L	---	14	---	---	---	---	---	48	---	190	180	5.0 U	220
Field Parameters																
Specific Conductance	NS	NS	µS/cm	---	63	---	---	---	---	---	153.0	---	502	488	102.0	550
Dissolved Oxygen	NS	NS	mg/L	---	6.28	---	---	---	---	---	0.32	---	1.68	0.16	0.34	0.19
pH	SDWS	6.5-8.5	SU	---	4.91	---	---	---	---	---	7.78	---	7.27	7.26	7.17	7.50
Temperature, Water	NS	NS	Degrees C	---	23.40	---	---	---	---	---	27.1	---	26.20	26.40	29.20	23.80
Turbidity	FDEP SOP	20	NTU	---	1.39	---	---	---	---	---	0.03	---	2.5	0.02	2.30	1.73

Notes:

- MCL = Maximum Contaminant Level.
- PDWS = Primary Drinking Water Standard (62-550 F.A.C.)
- SDWS = Secondary Drinking Water Standard (62-550 F.A.C.)
- NS = No numeric standard has been set for this analyte.
- mg/L = milligrams per liter
- ug/L = micrograms per liter
- us/cm = microSiemens per centimeter
- SU = standard units
- Degrees C = degrees Celsius
- NTU = nephelometric turbidity units
- Yellow shaded values indicate parameter concentrations exceeded the PDWS or SDWS.
- U = Indicates that 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.
- = Parameter Not Analyzed
- FDEP SOP = Florida Department of Environmental Protection's Standard Operating Procedures
- Resampling occurred on June 27 and June 28, 2023.

Table 9. Summary of Groundwater Quality Analytical Results (Detected Parameters Only)
Pasco County Resource Recovery Facility, April 2023

Parameter	Standard	MCL	Units	2MW25S	2MW25D	2MW26S	2MW26D	2MW27S	2MW27D	2MW27D Resample	4MW1	4MW2	4MW4	4MW5	4MW6	4MW11D	4MW12D	4MW13D
Volatile Organic Compounds																		
cis-1,2-Dichloroethene	PDWS	70	µg/L	---	0.53 U	---	0.53 U	---	0.57 I	0.53 U	---	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	---
Trichloroethene	PDWS	5	µg/L	---	0.89 U	---	0.89 U	---	0.90 I	0.89 U	---	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	---
Metals																		
Barium	PDWS	2000	µg/L	---	22	---	16	---	26	24	---	6.4	8.3	11	5.3	10	7.9	---
Copper	SDWS	1000	µg/L	---	1.1 U	---	1.1 U	---	1.1 U	1.1 U	---	1.1 U	1.1 U	1.1 U	1.9 I	1.1 U	1.1 U	---
Iron	SDWS	300	µg/L	---	28 U	---	28 U	---	28 U	28 U	---	28 U	71	28 U	28 U	95	28 U	---
Sodium	PDWS	160	mg/L	---	35	---	27	---	42	40	---	2.9	6.2	25	2.4	17	7.6	---
Vanadium	NS	NS	µg/L	---	1.6 I	---	4.3	---	1.6 I	1.5 I	---	5.1	3.3	2.3	4.1	1.7 I	1.1 I	---
Zinc	SDWS	5000	µg/L	---	2.2 U	---	2.2 U	---	2.2 U	2.2 U	---	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	---
General Chemistry																		
Ammonia (N)	NS	NS	mg/L	---	0.014 U	---	0.014 U	---	0.024	0.014 U	---	0.014 U	0.014 I	0.014 U	0.014 I	0.034	0.014 U	---
Chloride	SDWS	250	mg/L	---	64	---	51	---	76	77	---	5.2	20	57	4.0	42	29	---
Nitrate (N)	PDWS	10	mg/L	---	1.1	---	0.27 I	---	1.4	1.3	---	0.51	0.38 I	0.7	0.57	0.84	0.83	---
Total Dissolved Solids (TDS)	SDWS	500	mg/L	---	310	---	180	---	310	410	---	28	200	280	14	210	150	---
Field Parameters																		
Specific Conductance	NS	NS	µS/cm	---	648.0	---	427	---	763	688	---	214.8	437	597	161.7	514	452	---
Dissolved Oxygen	NS	NS	mg/L	---	1.84	---	0.06	---	3.56	0.02	---	2.03	2.41	3.96	5.2	1.88	2.15	---
pH	SDWS	6.5-8.5	SU	---	7.4	---	7.90	---	6.63	7.4	---	7.51	7.33	7.28	8.14	7.38	7.35	---
Temperature, Water	NS	NS	Degrees C	---	26.4	---	26.60	---	23.40	26.7	---	23.40	26.90	24.20	25.00	27.20	26.40	---
Turbidity	FDEP SOP	20	NTU	---	1.2	---	1.80	---	3.13	0.02	---	0.57	2.06	0.52	0.21	9.40	1.01	---

- Notes:
- MCL = Maximum Contaminant Level.
 - PDWS = Primary Drinking Water Standard (62-550 F.A.C.)
 - SDWS = Secondary Drinking Water Standard (62-550 F.A.C.)
 - NS = No numeric standard has been set for this analyte.
 - mg/L = milligrams per liter
 - µg/L = micrograms per liter
 - us/cm = microSiemens per centimeter
 - SU = standard units
 - Degrees C = degrees Celsius
 - NTU = nephelometric turbidity units
 - Yellow shaded values indicate parameter concentrations exceeded the
 - U = Indicates that the compound was analyzed for but not detected.
 - I = The reported value is between the laboratory method detection limit
 - = Parameter Not Analyzed
 - FDEP SOP = Florida Department of Environmental Protection's Standard
 - Resampling occurred on June 27 and June 28, 2023.

Table 9. Summary of Groundwater Quality Analytical Results (Detected Parameters Only)
Pasco County Resource Recovery Facility, April 2023

Parameter	Standard	MCL	Units	4MW14D	4MW14D Resample	4MW27	4MW27 Resample	4MW27D
Volatile Organic Compounds								
cis-1,2-Dichloroethene	PDWS	70	µg/L	0.53 U	0.53 U	0.53 U	---	0.53 U
Trichloroethene	PDWS	5	µg/L	0.89 U	0.89 U	0.89 U	---	0.89 U
Metals								
Barium	PDWS	2000	µg/L	12	12	17	---	10
Copper	SDWS	1000	µg/L	1.1 U	1.1 U	1.1 U	---	1.1 U
Iron	SDWS	300	µg/L	28 U	28 U	28 U	---	28 U
Sodium	PDWS	160	mg/L	12	12	40	---	4.7
Vanadium	NS	NS	µg/L	1.1 U	1.1 U	96	97	1.1 U
Zinc	SDWS	5000	µg/L	18	2.2 U	2.2 U	---	2.2 U
General Chemistry								
Ammonia (N)	NS	NS	mg/L	0.014 U	0.014 U	0.018 I	---	0.015 I
Chloride	SDWS	250	mg/L	48	48	79.0	---	4.8
Nitrate (N)	PDWS	10	mg/L	0.7	0.59	0.26 I	---	0.20 U
Total Dissolved Solids (TDS)	SDWS	500	mg/L	200	250	140	---	10
Field Parameters								
Specific Conductance	NS	NS	µS/cm	465.0	492.0	403.0	400.0	277.0
Dissolved Oxygen	NS	NS	mg/L	0.54	1.32	1.59	0.39	0.74
pH	SDWS	6.5-8.5	SU	7.45	7.52	8.89	9.48	8.26
Temperature, Water	NS	NS	Degrees C	29.00	28.00	24.10	25.70	24.80
Turbidity	FDEP SOP	20	NTU	0.02	0.02	0.92	0.02	0.23


Notes:

- MCL = Maximum Contaminant Level.
- PDWS = Primary Drinking Water Standard (62-550 F.A.C.)
- SDWS = Secondary Drinking Water Standard (62-550 F.A.C.)
- NS = No numeric standard has been set for this analyte.
- mg/L = milligrams per liter
- µg/L = micrograms per liter
- µs/cm = microSiemens per centimeter
- SU = standard units
- Degrees C = degrees Celsius
- NTU = nephelometric turbidity units
- Yellow shaded values indicate parameter concentrations exceeded the
- U = Indicates that the compound was analyzed for but not detected.
- I = The reported value is between the laboratory method detection limit
- = Parameter Not Analyzed
- FDEP SOP = Florida Department of Environmental Protection's Standard
- Resampling occurred on June 27 and June 28, 2023.

Table 9. Summary of Groundwater Quality Analytical Results (Detected Parameters Only)
Pasco County Resource Recovery Facility, April 2023

Parameter	Standard	MCL	Units	2MW7	2MW8	2MW9	2MW10	4MW3A	4MW7	4MW8	4MW9	4MW21	4MW21 Resample	4MW22	4MW22 Resample	4MW23	DUP 1	4MW23 Resample
Volatile Organic Compounds																		
cis-1,2-Dichloroethene	PDWS	Missing	µg/L	---	---	---	---	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Trichloroethene	PDWS	Missing	µg/L	---	---	---	---	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U
2-Butanone (MEK)			µg/L	---	---	---	---	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U
2-Hexanone			µg/L	---	---	---	---	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.8 U
Metals																		
Arsenic	PDWS	10	µg/L	---	---	---	---	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.8 U
Barium	PDWS	2000	µg/L	---	---	---	---	9.5	9.9	8.1	9.7	9.3	8.9	10	11	11	11	7.8
Cadmium	PDWS	5	µg/L	---	---	---	---	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Cobalt	NS	NS	µg/L	---	---	---	---	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Copper	SDWS	1000	µg/L	---	---	---	---	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Iron	SDWS	300	µg/L	---	---	---	---	210	250	28 U	28 U	28 U	28 U	71	64	690	600	540
Sodium	PDWS	160	mg/L	---	---	---	---	9.1	4.8	4.8	13	5.6	4.9	7.1	6.3	29	29	25
Vanadium	NS	NS	µg/L	---	---	---	---	1.1 U	1.4 U	1.1 U	1.1 U	1.7 U	1.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
General Chemistry																		
Ammonia (N)	NS	NS	mg/L	---	---	---	---	0.16	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.084	0.014 U	0.16	0.14	0.12
Chloride	SDWS	250	mg/L	---	---	---	---	19	13	12	32	8.3	8.0	17	16	52	52	54
Nitrate (N)	PDWS	10	mg/L	---	---	---	---	0.20 U	0.89	0.20 U	0.36 U	7.4	7.3	0.20 U	0.54	0.20 U	0.20 U	0.20 U
Total Dissolved Solids (TDS)	SDWS	500	mg/L	---	---	---	---	110	48	120	140	5.0 U	42	140	210	200	320	270
Field Parameters																		
Specific Conductance	NS	NS	uS/cm	---	---	---	---	422	358	412	467	150	152	444	455	513	513	555
Dissolved Oxygen	NS	NS	mg/L	---	---	---	---	2.16	1.68	0.48	1.39	3.1	0.56	0.08	0.04	0.03	0.03	0.27
pH	SDWS	6.5-8.5	SU	---	---	---	---	7.37	7.47	7.28	7.2	5.28	5.15	7.26	7.26	7.72	7.72	7.48
Temperature, Water	NS	NS	Degrees C	---	---	---	---	24.00	27.20	23.70	24.90	26.90	25.50	26.10	25.50	28.70	28.70	26.40
Turbidity	NS	NS	NTU	---	---	---	---	1.86	1.68	0.83	0.93	0.46	0.02	0.02	0.33	1.14	1.14	1.01

- Notes:
- MCL = Maximum Contaminant Level.
 - PDWS = Primary Drinking Water Standard (62-550 F.A.C.)
 - SDWS = Secondary Drinking Water Standard (62-550 F.A.C.)
 - NS = No numeric standard has been set for this analyte.
 - mg/L = milligrams per liter
 - µg/L = micrograms per liter
 - us/cm = microSiemens per centimeter
 - SU = standard units
 - Degrees C = degrees Celsius
 - NTU = nephelometric turbidity units
 - Yellow shaded values indicate parameter concentrations exceeded the PDWS or SDWS.
 - U = Indicates that 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.
 - = Parameter Not Analyzed
 - FDEP SOP = Florida Department of Environmental Protection's Standard Operating Procedures
 - Resampling occurred on June 27 and June 28, 2023.



Appendix A
FDEP Water Quality Monitoring Certification



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C.
Form Title: Water Quality Monitoring Certification
Effective Date: January 6, 2010
Incorporated in Rule 62-701.510(9), F.A.C.

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name PASCO COUNTY RESOURCE RECOVERY
Address 14230 HAYS ROAD
City SPRING HILL Zip 34610 County PASCO
Telephone Number (727) 857-2780

(2) WACS Facility ID 45799

(3) DEP Permit Number PA87-23

(4) Authorized Representative's Name Timothy Treshler Title _____
Address 14855 Softwind Lane
City Spring Hill Zip 34610 County Pasco
Telephone Number (727) 857-2780
Email address (if available) ttreshler@pascocountyfl.net

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 submission of false information including the possibility of fine and imprisonment.

8/14/2023

(Date)

Timothy Treshler

(Owner or Authorized Representative's Signature)

Digitally signed by Timothy Treshler
Date: 2023.08.14 16:38:17 -04'00'

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization EUROFINS ENVIRONMENTAL TESTING SOUTHEAST, LLC
Analytical Lab NELAC / HRS Certification # E83018
Lab Name EUROFINS ORLANDO
Address 481 NEWBURYPORT AVE, ALTAMONTE SPRINGS, FL 32701
Phone Number (321) 280-2066
Email address (if available) RYYA.KUMM@ET.EUROFINSUS.COM

Northwest District
160 Government Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. 200 B
Jacksonville, FL 32256-7590
904-807-3300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
13051 N. Telecom Pky.
Temple Terrace, FL
813-632-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33902-2549
239-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

Appendix B

Field Forms

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Project/Site: Pasco County Resource Recovery Facility

Date: 4/24/2023 - 4/26/2023

Meter # Rental (21K1036612211)

Temperature (Quarterly)											
For Date of Last Temperature Verification see _____ in log book _____											
Dissolved Oxygen	DEP SOP FT 1500	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation	Pass or Fail
										mg/l (from chart)	
CAL (ICV) CCV		FH	4/24/2023	17:44			8.4	25.2	103	8.233	(P) F
CAL ICV CCV		FH	4/25/2023	17:30			8.3	25.1	102	8.248	(P) F
CAL ICV CCV		FH	4/26/2023	17:18			8.2	26.1	101	8.099	(P) F
CAL ICV CCV											P F
CAL ICV CCV											P F
CAL ICV CCV											P F

Specific Conductance	DEP SOP FT 1200	Initials	Date	Time	Standard µmhos/cm	EXP. Date	Lot #	Bottle #	Cell Constant	Reading	Pass or Fail
									Acceptance Criteria	µmhos/cm +/- 5% mg/L	
CAL (ICV) CCV		FH	4/24/2023	17:47	84	10/23	2GJ860		84	(P) F	
CAL (ICV) CCV		FH	4/24/2023	17:50	1413	01/24	3GA162		1423	(P) F	
CAL ICV CCV		FH	4/25/2023	17:33	84	10/23	2GJ860		83	(P) F	
CAL ICV CCV		FH	4/25/2023	17:36	1413	01/24	3GA162		1423	(P) F	
CAL ICV CCV		FH	4/26/2023	17:21	84	10/23	2GJ860		83	(P) F	
CAL ICV CCV		FH	4/26/2023	17:24	1413	01/24	3GA162		1421	(P) F	
CAL ICV CCV										P F	

pH	DEP SOP FT 1100	Initials	Date	Time	Standard SU	EXP. Date	Lot #	Bottle #	Slope	Reading	Pass or Fail
									Acceptance Criteria	SU +/- 0.2 SU	
CAL (ICV) CCV		FH	4/24/2023	17:53	7	12/24	2GL656		6.9	(P) F	
CAL (ICV) CCV		FH	4/24/2023	17:56	4	12/24	2GL652		4.02	(P) F	
CAL (ICV) CCV		FH	4/24/2023	17:59	10	12/24	2GL654		9.9	(P) F	
CAL ICV CCV		FH	4/25/2023	17:39	7	12/24	2GL656		6.8	(P) F	
CAL ICV CCV		FH	4/25/2023	17:42	4	12/24	2GL652		4.01	(P) F	
CAL ICV CCV		FH	4/25/2023	17:45	10	12/24	2GL654		9.8	(P) F	
CAL ICV CCV		FH	4/26/2023	17:27	7	12/24	2GL656		6.9	(P) F	
CAL ICV CCV		FH	4/26/2023	17:30	4	12/24	2GL652		4.03	(P) F	
CAL ICV CCV		FH	4/26/2023	17:33	10	12/24	2GL654		10.1	(P) F	

Maintenance: Weekly pH Slope: _____ Specific conductance probe cleaned? Yes No Dissolved Oxygen Membrane Changed? Yes No

Notes: _____

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Project/Site: Pasco County Resource Recovery Facility

Date: 4/27/2023

Meter # Rental (21K1036612211)

Temperature (Quarterly) For Date of Last Temperature Verification see _____ in log book _____

Dissolved Oxygen	DEP SOP FT 1500	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation	Pass or Fail
										mg/l (from chart)	
CAL ICV <u>CCV</u>		<u>FH</u>	<u>4/27/2023</u>	<u>16:14</u>			<u>8.1</u>	<u>26.1</u>	<u>101</u>	<u>8.099</u>	<u>(P)</u> F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F

Specific Conductance	DEP SOP FT 1200	Initials	Date	Time	Standard µmhos/cm	EXP. Date	Lot #	Bottle #	Cell Constant	Reading	Pass or Fail
									µmhos/cm	µmhos/cm	
CAL ICV <u>CCV</u>		<u>FH</u>	<u>4/27/2023</u>	<u>16:17</u>	<u>84</u>	<u>10/23</u>	<u>2GJ860</u>			<u>83</u>	<u>(P)</u> F
CAL ICV <u>CCV</u>		<u>FH</u>	<u>4/27/2023</u>	<u>16:20</u>	<u>1413</u>	<u>01/24</u>	<u>3GA162</u>			<u>1420</u>	<u>(P)</u> F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F

pH	DEP SOP FT 1100	Initials	Date	Time	Standard SU	EXP. Date	Lot #	Bottle #	Slope	Reading	Pass or Fail
									SU	SU	
CAL ICV <u>CCV</u>		<u>FH</u>	<u>4/27/2023</u>	<u>16:23</u>	<u>7</u>	<u>12/24</u>	<u>2GL656</u>			<u>6.8</u>	<u>(P)</u> F
CAL ICV <u>CCV</u>		<u>FH</u>	<u>4/27/2023</u>	<u>16:26</u>	<u>4</u>	<u>12/24</u>	<u>2GL652</u>			<u>4.01</u>	<u>(P)</u> F
CAL ICV <u>CCV</u>		<u>FH</u>	<u>4/27/2023</u>	<u>16:29</u>	<u>10</u>	<u>12/24</u>	<u>2GL654</u>			<u>9.9</u>	<u>(P)</u> F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F

Maintenance: Weekly pH Slope: _____ Specific conductance probe cleaned? Yes No Dissolved Oxygen Membrane Changed? Yes No

Notes:

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Project/Site: Pasco County Resource Recovery Facility

Date: 4/25/2023 - 4/26/2023

Meter # Rental (22J104737)

Temperature (Quarterly)											
For Date of Last Temperature Verification see _____ in log book _____											
Dissolved Oxygen	DEP SOP FT 1500	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation	Pass or Fail
										mg/l (from chart)	
CAL (ICV) CCV	DD	4/25/2023	7:18			8.89	19.6	97.3	9.165	(P) F	
CAL ICV CCV	DD	4/25/2023	15:24			8.12	26.3	100.9	8.07	(P) F	
CAL ICV CCV	DD	4/26/2023	17:13			8.87	21.8	101.3	8.777	(P) F	
CAL ICV CCV										P F	
CAL ICV CCV										P F	
CAL ICV CCV										P F	

Specific Conductance	DEP SOP FT 1200	Initials	Date	Time	Standard µmhos/cm	EXP. Date	Lot #	Bottle #	Cell	Reading	Pass or Fail
									Constant	µmhos/cm	
CAL (ICV) CCV	DD	4/25/2023	7:21	84	10/23	2GJ860			80	(P) F	
CAL (ICV) CCV	DD	4/25/2023	7:24	1413	01/24	3GA162			1443	(P) F	
CAL ICV CCV	DD	4/25/2023	15:27	84	10/23	2GJ860			87	(P) F	
CAL ICV CCV	DD	4/25/2023	15:30	1413	01/24	3GA162			1388	(P) F	
CAL ICV CCV	DD	4/26/2023	17:16	84	10/23	2GJ860			88	(P) F	
CAL ICV CCV	DD	4/26/2023	17:19	1413	01/24	3GA162			1391	(P) F	
CAL ICV CCV										P F	

pH	DEP SOP FT 1100	Initials	Date	Time	Standard SU	EXP. Date	Lot #	Bottle #	Slope	Reading	Pass or Fail
										SU	
CAL (ICV) CCV	DD	4/25/2023	7:27	7	12/24	2GL656			7.05	(P) F	
CAL (ICV) CCV	DD	4/25/2023	7:30	4	12/24	2GL652			3.93	(P) F	
CAL (ICV) CCV	DD	4/25/2023	7:33	10	12/24	2GL654			9.92	(P) F	
CAL ICV CCV	DD	4/25/2023	15:33	7	12/24	2GL656			7.05	(P) F	
CAL ICV CCV	DD	4/25/2023	15:36	4	12/24	2GL652			3.98	(P) F	
CAL ICV CCV	DD	4/25/2023	15:39	10	12/24	2GL654			10.03	(P) F	
CAL ICV CCV	DD	4/26/2023	17:22	7	12/24	2GL656			7.06	(P) F	
CAL ICV CCV	DD	4/26/2023	17:25	4	12/24	2GL652			4.1	(P) F	
CAL ICV CCV	DD	4/26/2023	17:28	10	12/24	2GL654			10.08	(P) F	

Maintenance: Weekly pH Slope: _____

Specific conductance probe cleaned? Yes No

Dissolved Oxygen Membrane Changed? Yes No

Notes:

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Project/Site: Pasco County Resource Recovery Facility

Date: 4/27/2023

Meter # Rental (22J104737)

Temperature (Quarterly) For Date of Last Temperature Verification see _____ in log book _____

Dissolved Oxygen	DEP SOP FT 1500	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation	Pass or Fail
										mg/l (from chart)	
CAL ICV <u>CCV</u>		<u>DD</u>	<u>4/27/2023</u>	<u>13:30</u>			<u>8.15</u>	<u>26.4</u>	<u>101.1</u>	<u>8.055</u>	<u>(P)</u> F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F

Specific Conductance	DEP SOP FT 1200	Initials	Date	Time	Standard µmhos/cm	EXP. Date	Lot #	Bottle #	Cell	Reading	Pass or Fail
									Constant	µmhos/cm	
CAL ICV <u>CCV</u>		<u>DD</u>	<u>4/27/2023</u>	<u>13:33</u>	<u>84</u>	<u>10/23</u>	<u>2GJ860</u>			<u>82</u>	<u>(P)</u> F
CAL ICV <u>CCV</u>		<u>DD</u>	<u>4/27/2023</u>	<u>13:36</u>	<u>1413</u>	<u>01/24</u>	<u>3GA162</u>			<u>1392</u>	<u>(P)</u> F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F

pH	DEP SOP FT 1100	Initials	Date	Time	Standard SU	EXP. Date	Lot #	Bottle #	Slope	Reading	Pass or Fail
										SU	
CAL ICV <u>CCV</u>		<u>DD</u>	<u>4/27/2023</u>	<u>13:39</u>	<u>7</u>	<u>12/24</u>	<u>2GL656</u>			<u>7.11</u>	<u>(P)</u> F
CAL ICV <u>CCV</u>		<u>DD</u>	<u>4/27/2023</u>	<u>13:42</u>	<u>4</u>	<u>12/24</u>	<u>2GL652</u>			<u>4.03</u>	<u>(P)</u> F
CAL ICV <u>CCV</u>		<u>DD</u>	<u>4/27/2023</u>	<u>13:45</u>	<u>10</u>	<u>12/24</u>	<u>2GL654</u>			<u>9.91</u>	<u>(P)</u> F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F
CAL ICV <u>CCV</u>											P F

Maintenance: Weekly pH Slope: _____ Specific conductance probe cleaned? Yes No Dissolved Oxygen Membrane Changed? Yes No

Notes:

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 2MW-27D	SAMPLE ID: 2MW-27D
DATE: 25 Apr-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER: 3/16	WELL SCREEN INTERVAL DEPTH: 27 feet to 42 feet	STATIC DEPTH TO WATER (feet): 21.95	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
= (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)				
= 0 gallons + (0.0014 gallons/foot X 36 feet) + 0.09 gallons = 0.421 gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 34.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 34.5	PURGING INITIATED AT: 8:28	PURGING ENDED AT: 8:39	TOTAL VOLUME PURGED (gallons): 0.78
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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)	ORP (mV)	COLOR (describe)	ODOR (describe)
8:35	0.50	0.50	0.07	21.95	6.63	23.30	763	3.56/42.0%	3.13	167.00	Clear	No Odor
8:37	0.14	0.64	0.07	21.95	6.63	23.40	763	3.56/42.0%	3.12	150.00	Clear	No odor
8:39	0.14	0.78	0.07	21.95	6.63	23.40	763	3.56/42.0%	3.13	149.00	Clear	No Odor

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: Fauve Herron/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED: 8:40	SAMPLING ENDED AT: 8:48
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PUMP OR TUBING DEPTH IN WELL (feet): 34.5	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="radio"/> N	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N	TUBING Y <input checked="" type="radio"/> N (replaced)	DUPLICATE: Y <input checked="" type="radio"/> 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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
2MW-27D	1	PE	500	----	0	6.63	TDS, Chloride, Nitrate	APP	~265
2MW-27D	1	PE	500	H2SO4	0	<2	Ammonia	APP	~265
2MW-27D	1	PE	120	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~265
2MW-27D	3	CG	40	HCL	0	----	VOC	APP	~265

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; RFP = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 4MW-27			SAMPLE ID: 4MW-27					DATE: 25 Apr-2023				
PURGING DATA												
WELL DIAMETER (inches): 4		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 67 feet to 77 feet			STATIC DEPTH TO WATER (feet): 20.40		PURGE PUMP TYPE OR BAILER: PP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (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) = 0 gallons + (0.0014 gallons/foot X 75 feet) + 0.09 gallons = 0.585 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 72		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 72		PURGING INITIATED AT: 9:25			PURGING ENDED AT: 9:45		TOTAL VOLUME PURGED (gallons): 0.95			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
9:41	0.75	0.75	0.05	20.40	8.89	24.10	403	1.59/19.0%	0.92	114.90	Clear	No Odor
9:43	0.10	0.85	0.05	20.40	8.89	24.10	403	1.67/20.0%	0.92	111.50	Clear	No Odor
9:45	0.10	0.95	0.05	20.40	8.89	24.10	403	1.59/19.0%	0.92	110.90	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED: 9:50		SAMPLING ENDED AT: 9:57	
PUMP OR TUBING DEPTH IN WELL (feet): 72			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y <input checked="" type="radio"/> N		FILTER SIZE: μm		
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N			TUBING Y <input checked="" type="radio"/> N (replaced)			DUPLICATE: Y <input checked="" type="radio"/> 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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
4MW-27	1	PE	500	----	0	8.89	TDS, Chloride, Nitrate	APP	~189	
4MW-27	1	PE	250	H2SO4	0	<2	Ammonia	APP	~189	
4MW-27	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~189	
4MW-27	3	CG	40	HCL	0	----	VOC	APP	~189	
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; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES:

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

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 4MW-27D		SAMPLE ID: 4MW-27D		DATE: 25 Apr-2023								
PURGING DATA												
WELL DIAMETER (inches): 4		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 146 feet to 156 feet		STATIC DEPTH TO WATER (feet): 20.10	PURGE PUMP TYPE OR BAILER: PP					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (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) = 0 gallons + (0.0014 gallons/foot X 155 feet) + 0.09 gallons = 0.921 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 151		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 151		PURGING INITIATED AT: 10:25		PURGING ENDED AT: 10:54	TOTAL VOLUME PURGED (gallons): 1.16					
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
10:50	1.00	1.00	0.04	20.10	8.26	24.80	277	0.74/9.0%	0.22	126.60	Clear	No Odor
10:52	0.08	1.08	0.04	20.10	8.26	24.80	276	0.74/9.0%	0.22	126.60	Clear	No Odor
10:54	0.08	1.16	0.04	20.10	8.26	24.80	277	0.74/9.0%	0.23	126.10	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED: 10:55		SAMPLING ENDED AT: 11:10	
PUMP OR TUBING DEPTH IN WELL (feet): 151			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>		FILTER SIZE: μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N <input type="radio"/>			TUBING Y <input checked="" type="radio"/> N (replaced) <input type="radio"/>			DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>			
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-27D	1	PE	500	----	0	8.26	TDS, Chloride, Nitrate	APP	~151
4MW-27D	1	PE	250	H2SO4	0	<2	Ammonia	APP	~151
4MW-27D	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~151
4MW-27D	3	CG	40	HCL	0	----	VOC	APP	~151
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; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES:

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

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 4MW-6		SAMPLE ID: 4MW-6		DATE: 25 Apr-2023								
PURGING DATA												
WELL DIAMETER (inches): 4		TUBING DIAMETER: 1/4		WELL SCREEN INTERVAL DEPTH: 73 feet to 100 feet		STATIC DEPTH TO WATER (feet): 27.27	PURGE PUMP TYPE OR BAILER: BP					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (100.0 feet - 27.27 feet) X 0.65 gallons/foot = 47.27 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): 73		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 73		PURGING INITIATED AT: 8:15		PURGING ENDED AT: 12:18	TOTAL VOLUME PURGED (gallons): 71.17					
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)	ORP (mV)	COLOR (describe)	ODOR (describe)
11:05	50.00	50.00	0.29	27.27	8.14	24.90	161.80	5.21/63.3%	0.10	-66.30	Clear	No Odor
11:49	12.76	62.76	0.29	27.27	8.13	25.00	161.80	5.26/64.0%	0.17	-66.20	Clear	No Odor
12:18	8.41	71.17	0.29	27.27	8.14	25.00	161.70	5.20/63.2%	0.21	-67.00	Clear	No Odor
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: Donovan Dickey/SCS		SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED: 12:19		SAMPLING ENDED AT: 12:21			
PUMP OR TUBING DEPTH IN WELL (feet): 73		TUBING MATERIAL CODE: HDPE + S		FIELD-FILTERED: Y <input checked="" type="radio"/> N		FILTER SIZE: μm			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N		TUBING Y <input checked="" type="radio"/> N (replaced)		DUPLICATE: Y <input checked="" type="radio"/> 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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-6	1	PE	500	----	0	8.14	Tds, chloride, nitrate	APP	~1098
4MW-6	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~1098
4MW-6	1	PE	250	H2SO4	0	<2	Ammonia	APP	~1098
4MW-6	3	CG	40	HCL	0	----	VOC	APP	~1098
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; RFPF = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 2MW-15DA		SAMPLE ID: 2MW-15DA		DATE: 25 Apr-2023								
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 34 feet to 44 feet		STATIC DEPTH TO WATER (feet): 24.60	PURGE PUMP TYPE OR BAILER: PP					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (34 feet - 24.60 feet) X gallons/foot = 0.94 gallons												
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0 gallons + (0.0014 gallons/foot X 44 feet) + 0.09 gallons = 0.455 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 39		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 39		PURGING INITIATED AT: 11:40		PURGING ENDED AT: 12:03	TOTAL VOLUME PURGED (gallons): 0.62					
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)	ORP (mV)	COLOR (describe)	ODOR (describe)
11:59	0.50	0.50	0.03	24.60	7.78	27.10	153	0.33/4.2%	0.02	240.00	Clear	No Odor
12:01	0.06	0.56	0.03	24.60	7.78	27.10	152	0.33/4.2%	0.02	239.00	Clear	No Odor
12:03	0.06	0.62	0.03	24.60	7.78	27.10	153	0.32/4.1%	0.03	238.00	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED: 12:05		SAMPLING ENDED AT: 12:23	
PUMP OR TUBING DEPTH IN WELL (feet): 39			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>		FILTER SIZE: μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N <input type="radio"/>			TUBING Y <input checked="" type="radio"/> N (replaced) <input type="radio"/>			DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>			
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
2MW-15DA	1	PE	500	----	0	7.78	TDS, Chloride, Nitrate	APP	~114
2MW-15DA	1	PE	250	H2SO4	0	<2	Ammonia	APP	~114
2MW-15DA	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~114
2MW-15DA	3	CG	40	HCL	0	----	VOC	APP	~114
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; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: PASCO COUNTY		SITE: 14230 Hays Rd, Spring Hill, FL 34610	
WELL NO: 4MW-4	SAMPLE ID: 4MW-4	DATE: 25 Apr-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER: 1/4	WELL SCREEN INTERVAL DEPTH: 22 feet to 50 feet	STATIC DEPTH TO WATER (feet): 26.50	PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (50.0 feet - 26.50 feet) X 0.16 gallons/foot = 3.76 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): 38	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 38	PURGING INITIATED AT: 12:25	PURGING ENDED AT: 13:07	TOTAL VOLUME PURGED (gallons): 5.52
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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)	ORP (mV)	COLOR (describe)	ODOR (describe)
13:03	5.00	5.00	0.13	26.50	7.31	26.80	437	2.40/30.2%	2.07	-20.80	Clear	No Odor
13:05	0.26	5.26	0.13	26.50	7.40	26.90	437	2.51/31.6%	2.11	-22.20	Clear	No Odor
13:07	0.26	5.52	0.13	26.50	7.33	26.90	437	2.41/30.3%	2.06	-21.80	Clear	No Odor

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: Donovan Dickey/SCS		SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED: 13:08		SAMPLING ENDED AT: 13:11	
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PUMP OR TUBING DEPTH IN WELL (feet): 38	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="radio"/> N	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N	TUBING Y <input checked="" type="radio"/> N (replaced)	DUPLICATE: Y <input checked="" type="radio"/> 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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-4	1	PE	500	----	0	7.33	TDS, chloride, nitrate	APP	~492
4MW-4	1	PE	250	H2SO4	0	<2	Ammonia	APP	~492
4MW-4	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~492
4MW-4	3	CG	40	HCL	0	----	VOC	APP	~492

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; RFPF = 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: January 30, 2017

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 2MW-24S	SAMPLE ID: 2MW-24S
DATE: 25 Apr-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER: 3/16	WELL SCREEN INTERVAL DEPTH: 11 feet to 26 feet	STATIC DEPTH TO WATER (feet): 23.30	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
= (26.0 feet - 23.30 feet) X 0.16 gallons/foot = 0.43 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): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 12:50	PURGING ENDED AT: 13:21	TOTAL VOLUME PURGED (gallons): 0.87

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)	ORP (mV)	COLOR (describe)	ODOR (describe)
13:17	0.75	0.75	0.03	23.30	7.17	29.20	102	0.34/4.5%	2.30	220.00	Clear	No Odor
13:19	0.06	0.81	0.03	23.30	7.17	29.20	102	0.34/4.5%	2.30	198.10	Clear	No Odor
13:21	0.06	0.87	0.03	23.30	7.17	29.20	102	0.34/4.5%	2.30	219.00	Clear	No Odor

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: Fauve Herron/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED: 13:22	SAMPLING ENDED AT: 13:41
PUMP OR TUBING DEPTH IN WELL (feet): 25	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N <input type="radio"/>	TUBING Y <input checked="" type="radio"/> N (replaced) <input type="radio"/>	DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>	

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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
2MW-24S	1	PE	500	----	0	7.17	TDS, Chloride, Nitrate	APP	~114
2MW-24S	1	PE	250	H2SO4	0	<2	Ammonia	APP	~114
2MW-24S	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~114
2MW-24S	3	CG	40	HCL	0	----	VOC	APP	~114

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; RFP = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 2MW-24D	SAMPLE ID: 2MW-24D
DATE: 26 Apr-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER: 3/16	WELL SCREEN INTERVAL DEPTH: 34 feet to 44 feet	STATIC DEPTH TO WATER (feet): 23.50	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
= (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)				
= 0 gallons + (0.0014 gallons/foot X 44 feet) + 0.09 gallons = 0.455 gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 39	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 39	PURGING INITIATED AT: 7:50	PURGING ENDED AT: 8:09	TOTAL VOLUME PURGED (gallons): 0.91

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)	ORP (mV)	COLOR (describe)	ODOR (describe)
8:05	0.60	0.60	0.04	23.50	7.51	23.80	557	0.23/2.7%	1.73	127.60	Clear	No Odor
8:07	0.15	0.75	0.08	23.50	7.50	23.80	558	0.22/2.6%	1.74	247.60	Clear	No Odor
8:09	0.16	0.91	0.08	23.50	7.50	23.80	550	0.19/2.3%	1.73	126.00	Clear	No Odor

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: Fauve Herron/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED: 8:10	SAMPLING ENDED AT: 8:18
PUMP OR TUBING DEPTH IN WELL (feet): 39	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
2MW-24D	1	PE	500	----	0	7.50	TDS, Chloride, Nitrate	APP	~303
2MW-24D	1	PE	250	H2SO4	0	<2	Ammonia	APP	~303
2MW-24D	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~303
2MW-24D	3	CG	40	HCL	0	----	VOC	APP	~303

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; RFP = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 2MW-25D	SAMPLE ID: 2MW-25D
DATE: 26 Apr-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER: 3/16	WELL SCREEN INTERVAL DEPTH: 17 feet to 32 feet	STATIC DEPTH TO WATER (feet): 20.60	PURGE PUMP TYPE OR BAILER: PP
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY

= (32.0 feet - 20.60 feet) X 0.16 gallons/foot = 1.82 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): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30	PURGING INITIATED AT: 8:50	PURGING ENDED AT: 9:36	TOTAL VOLUME PURGED (gallons): 2.20
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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)	ORP (mV)	COLOR (describe)	ODOR (describe)
9:32	2.00	2.00	0.05	20.60	7.39	26.40	647	1.84/23.0%	1.19	115.80	Clear	No Odor
9:34	0.10	2.10	0.05	20.60	7.40	26.40	648	1.76/22.0%	1.19	12615.00	Clear	No Odor
9:36	0.10	2.20	0.05	20.60	7.40	26.40	648	1.84/23.0%	1.20	114.90	Clear	No Odor

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: Fauve Herron/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED: 9:40	SAMPLING ENDED AT: 9:46
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PUMP OR TUBING DEPTH IN WELL (feet): 30	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N <input type="radio"/> TUBING Y <input checked="" type="radio"/> N (replaced) <input type="radio"/>		DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>	

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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
2MW-25D	1	PE	500	----	----	7.40	TDS, Chloride, Nitrate	APP	~189
2MW-25D	1	PE	250	H2SO4	----	<2	Ammonia	APP	~189
2MW-25D	1	PE	250	HNO3	----	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~189
2MW-25D	3	CG	40	HCL	----	----	VOC	APP	~189

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; RFPF = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 2MW-26D			SAMPLE ID: 2MW-26D					DATE: 26 Apr-2023				
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 42 feet to 52 feet		STATIC DEPTH TO WATER (feet): 26.35		PURGE PUMP TYPE OR BAILER: PP				
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (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) = 0 gallons + (0.0014 gallons/foot X 50 feet) + 0.09 gallons = 0.48 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 47		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 47		PURGING INITIATED AT: 10:27		PURGING ENDED AT: 10:46		TOTAL VOLUME PURGED (gallons): 0.74				
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)	ORP (mV)	COLOR (describe)	ODOR (describe)
10:40	0.50	0.50	0.04	26.35	7.90	26.50	427	0.07/0.8%	1.80	156.00	Clear	No Odor
10:43	0.12	0.62	0.04	26.35	7.90	26.60	426	0.06/0.8%	1.81	154.40	Clear	No Odor
10:46	0.12	0.74	0.04	26.35	7.90	26.60	427	0.06/0.8%	1.80	151.40	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED: 10:50		SAMPLING ENDED AT: 11:02	
PUMP OR TUBING DEPTH IN WELL (feet): 47			TUBING MATERIAL CODE: HDPE + S		FIELD-FILTERED: Y <input checked="" type="radio"/> N <input checked="" type="radio"/>		FILTER SIZE: μm		
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N <input type="radio"/>			TUBING Y <input checked="" type="radio"/> N (replaced) <input type="radio"/>		DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>				
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
2MW-26D	1	PE	500	----	0	7.90	TDS, Chloride, Nitrate	APP	~151
2MW-26D	1	PE	250	H2SO4	0	<2	Ammonia	APP	~151
2MW-26D	1	PE	250	HNO3	0	<2	As,Ag,Ba,Cd,Cr,Fe,Pb,Se,Hg,Be,Co,Cu,Na,Ni,Sb,Tl	APP	~151
2MW-26D	3	CG	40	HCL	0	----	VOC	APP	~151
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; RFPF = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 4MW-5	SAMPLE ID: 4MW-5
DATE: 26 Apr-2023	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER: 1/4	WELL SCREEN INTERVAL DEPTH: 68 feet to 100 feet	STATIC DEPTH TO WATER (feet): 23.90	PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
= (100.0feet - 23.90 feet) X 0.65 gallons/foot = 49.47 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): 60	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 60	PURGING INITIATED AT: 7:40	PURGING ENDED AT: 11:12	TOTAL VOLUME PURGED (gallons): 75.92

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
10:00	50.00	50.00	0.36	23.90	7.31	24.20	598	4.05/48.6%	0.46	-19.40	Clear	No Odor
10:36	12.96	62.96	0.36	23.90	7.30	24.20	598	4.07/48.8%	0.40	-19.00	Clear	No Odor
11:12	12.96	75.92	0.36	23.90	7.28	24.20	597	3.96/47.5%	0.52	-19.00	Clear	No Odor

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: Donovan Dickey/SCS			SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED: 11:13		SAMPLING ENDED AT: 11:14	
PUMP OR TUBING DEPTH IN WELL (feet): 60			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>		FILTER SIZE: μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N <input type="radio"/>			TUBING Y <input checked="" type="radio"/> N (replaced) <input type="radio"/>			DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>			
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-5	1	PE	500	----	0	7.28	TDS, chloride, nitrate	APP	~1363
4MW-5	1	PE	250	H2SO4	0	<2	Ammonia	APP	~1363
4MW-5	1	PE	250	HNO3	0	<2	As,Ag,Ba,Cd,Cr,Fe,Pb,Se, Hg,Be,Co,Cu,Na,Ni,Sb,Tl	APP	~1363
4MW-5	3	CG	40	HCL	0	----	VOC	APP	~1363

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; RFPF = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 4MW-3A	SAMPLE ID: 4MW-3A
DATE: 26 Apr-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER: 1/4	WELL SCREEN INTERVAL DEPTH: 22 feet to 50 feet	STATIC DEPTH TO WATER (feet): 27.25	PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
= (50.0 feet - 27.25 feet) X 0.16 gallons/foot = 3.64 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): 38.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 38.5	PURGING INITIATED AT: 11:20	PURGING ENDED AT: 11:34	TOTAL VOLUME PURGED (gallons): 7.00
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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)	ORP (mV)	COLOR (describe)	ODOR (describe)
11:30	5.00	5.00	0.50	27.25	7.44	24.10	424	2.26/27.1%	2.08	-24.20	Clear	No Odor
11:32	1.00	6.00	0.50	27.25	7.38	24.00	422	2.25/26.9%	1.97	-23.20	Clear	No Odor
11:34	1.00	7.00	0.50	27.25	7.37	24.00	422	2.16/25.8%	1.86	-22.90	Clear	No Odor

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: Donovan Dickey/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED: 11:35	SAMPLING ENDED AT: 11:36
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PUMP OR TUBING DEPTH IN WELL (feet): 38.5	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="radio"/> N	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N	TUBING Y <input checked="" type="radio"/> N (replaced)	DUPLICATE: Y <input checked="" type="radio"/> 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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-3A	1	PE	500	----	0	7.37	TDS, chloride, nitrate	APP	~1893
4MW-3A	1	PE	250	H2SO4	0	<2	Ammonia	APP	~1893
4MW-3A	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~1893
4MW-3A	3	CG	40	HCL	0	----	VOC	APP	~1893

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; RFPF = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 2MW-18D	SAMPLE ID: 2MW-18D
DATE: 26 Apr-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER: 1/4	WELL SCREEN INTERVAL DEPTH: 25 feet to 40 feet	STATIC DEPTH TO WATER (feet): 28.50	PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (40.0 feet - 28.50 feet) X 0.16 gallons/foot = 1.84 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): 34	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 34	PURGING INITIATED AT: 12:05	PURGING ENDED AT: 12:27	TOTAL VOLUME PURGED (gallons): 6.12

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
12:23	5.00	5.00	0.28	28.50	7.27	26.10	502	1.83/22.7%	2.47	-17.80	Clear	No Odor
12:25	0.56	5.56	0.28	28.50	7.27	26.10	502	1.72/21.3%	2.41	-17.80	Clear	No Odor
12:27	0.56	6.12	0.28	28.50	7.27	26.20	502	1.68/20.9%	2.50	-17.90	Clear	No Odor

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: Donovan Dickey/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED: 12:28	SAMPLING ENDED AT: 12:30
PUMP OR TUBING DEPTH IN WELL (feet): 34	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N <input type="radio"/>	TUBING Y <input checked="" type="radio"/> N (replaced) <input type="radio"/>	DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>	

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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
2MW-18D	1	PE	500	----	0	7.27	TDS, chloride, nitrate	APP	~1060
2MW-18D	1	PE	250	H2SO4	0	<2	Ammonia	APP	~1060
2MW-18D	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~1060
2MW-18D	3	CG	40	HCL	0	----	VOC	APP	~1060

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; RFP = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 4MW-23	SAMPLE ID: 4MW-23
DATE: 26 Apr-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER: 3/16	WELL SCREEN INTERVAL DEPTH: 38 feet to 53 feet	STATIC DEPTH TO WATER (feet): 29.15	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
= (2 feet - 29.15 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) = 0 gallons + (0.0014 gallons/foot X 48 feet) + 0.09 gallons = 0.472 gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 45.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 45.5	PURGING INITIATED AT: 11:36	PURGING ENDED AT: 12:02	TOTAL VOLUME PURGED (gallons): 0.58
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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)	ORP (mV)	COLOR (describe)	ODOR (describe)
11:58	0.50	0.50	0.02	29.15	7.73	28.60	512	0.04/0.5%	1.14	2.50	Clear	No Odor
12:00	0.04	0.54	0.02	29.15	7.72	28.70	513	0.03/0.4%	1.14	-40.70	Clear	No Odor
12:02	0.04	0.58	0.02	29.15	7.72	28.70	513	0.03/0.4%	1.14	-53.70	Clear	No Odor

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: Fauve Herron/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED: 12:05	SAMPLING ENDED AT: 12:33
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PUMP OR TUBING DEPTH IN WELL (feet): 45.5	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="radio"/> N	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N	TUBING Y <input checked="" type="radio"/> N (replaced)	DUPLICATE: Y <input checked="" type="radio"/> 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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-23	1	PE	500	----	0	7.72	TDS, Chloride, Nitrate	APP	~76
4MW-23	1	PE	250	H2SO4	0	<2	Ammonia	APP	~76
4MW-23	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~76
4MW-23	3	CG	40	HCL	0	----	VOC	APP	~76

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; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY	SITE 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 4MW-11D	SAMPLE ID: 4MW-11D
DATE: 26 Apr-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER 1/4	WELL SCREEN INTERVAL DEPTH: 27 feet to 52 feet	STATIC DEPTH TO WATER (feet): 37.32	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
= (52.0 feet - 37.32 feet) X 0.16 gallons/foot = 2.35 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): 44.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 44.5	PURGING INITIATED AT: 12:47	PURGING ENDED AT: 13:11	TOTAL VOLUME PURGED (gallons): 3.02
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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)	ORP (mV)	COLOR (describe)	ODOR (describe)
13:07	2.50	2.50	0.13	37.32	7.39	27.10	514	1.90/24.0%	9.32	-24.40	Clear	No Odor
13:09	0.26	2.76	0.13	37.32	7.39	27.20	514	1.88/23.8%	8.99	-24.40	Clear	No Odor
13:11	0.26	3.02	0.13	37.32	7.38	27.20	514	1.88/23.8%	9.40	-24.40	Clear	No Odor

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: Donovan Dickey/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED 13:12	SAMPLING ENDED AT: 13:15
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PUMP OR TUBING DEPTH IN WELL (feet): 44.5	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input type="radio"/> N <input checked="" type="radio"/>	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input type="radio"/> N <input checked="" type="radio"/>	TUBING Y <input type="radio"/> N (replaced) <input checked="" type="radio"/>	DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>	

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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-11D	1	PE	500	----	0	7.38	TDS, chloride, nitrate	APP	~492
4MW-11D	1	PE	250	H2SO4	0	<2	Ammonia	APP	~492
4MW-11D	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~492
4MW-11D	3	CG	40	HCL	0	----	VOC	APP	~492

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; RFPF = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 2MW-2			SAMPLE ID: 2MW-2				DATE: 27 Apr-2023					
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 29.5 feet to 34.5 feet			STATIC DEPTH TO WATER (feet): 24.50		PURGE PUMP TYPE OR BAILER: PP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (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) = 0 gallons + (0.0014 gallons/foot X 35 feet) + 0.09 gallons = 0.417 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 32		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 32		PURGING INITIATED AT: 7:50		PURGING ENDED AT: 8:30		TOTAL VOLUME PURGED (gallons): 0.54				
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)	ORP (mV)	COLOR (describe)	ODOR (describe)
8:26	0.50	0.50	0.01	24.50	4.91	23.30	63	6.36/75.0%	1.39	195.10	Clear	No Odor
8:28	0.02	0.52	0.01	24.50	4.90	23.40	63	6.35/75.0%	1.40	210.60	Clear	No Odor
8:30	0.02	0.54	0.01	24.50	4.91	23.40	63	6.28/74.0%	1.39	219.20	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED: 8:35		SAMPLING ENDED AT: 9:28	
PUMP OR TUBING DEPTH IN WELL (feet): 32			TUBING MATERIAL CODE: HDPE + S		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		FILTER SIZE: μm			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>		DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>					
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
2MW-2	1	PE	500	----	0	4.91	TDS, Chloride, Nitrate		APP	~38
2MW-2	1	PE	250	H2SO4	0	<2	Ammonia		APP	~38
2MW-2	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti		APP	~38
2MW-2	3	CG	40	HCL	0	----	VOC		APP	~38
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; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

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

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: PASCO COUNTY						SITE: 14230 Hays Rd, Spring Hill, FL 34610						
WELL NO: 4MW-2				SAMPLE ID: 4MW-2				DATE: 27 Apr-2023				
PURGING DATA												
WELL DIAMETER (inches): 4		TUBING DIAMETER: 1/4		WELL SCREEN INTERVAL DEPTH: 42 feet to 70 feet		STATIC DEPTH TO WATER (feet): 24.92		PURGE PUMP TYPE OR BAILER: BP				
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (70.0 feet - 24.92 feet) X 0.65 gallons/foot = 29.3 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): 46			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 46			PURGING INITIATED AT: 7:20		PURGING ENDED AT: 9:18		TOTAL VOLUME PURGED (gallons): 44.44		
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)	ORP (mV)	COLOR (describe)	ODOR (describe)
8:40	30.00	30.00	0.38	24.92	7.47	23.40	214.80	2.14/25.3%	0.46	131.10	Clear	No Odor
9:00	7.60	37.60	0.38	24.92	7.49	23.40	214.40	2.12/25.0%	0.50	124.20	Clear	No Odor
9:18	6.84	44.44	0.38	24.92	7.51	23.40	214.80	2.03/24.0%	0.57	120.60	Clear	No Odor
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: Donovan Dickey/SCS				SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED: 9:19		SAMPLING ENDED AT: 9:20	
PUMP OR TUBING DEPTH IN WELL (feet): 46				TUBING MATERIAL CODE: HDPE + S		FIELD-FILTERED: Y <input checked="" type="radio"/> N		FILTER SIZE: µm			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N				TUBING Y <input checked="" type="radio"/> N (replaced)				DUPLICATE: Y <input checked="" type="radio"/> 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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
4MW-2	1	PE	500	----	0	7.51	TDS, chloride, nitrate	APP	~1438		
4MW-2	1	PE	250	H2SO4	0	<2	Ammonia	APP	~1438		
4MW-2	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~1438		
4MW-2	3	CG	40	HCL	0	----	VOC	APP	~1438		
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; RFP = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 4MW-9	SAMPLE ID: 4MW-9
DATE: 27 Apr-2023	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER: 1/4	WELL SCREEN INTERVAL DEPTH: 30 feet to 60 feet	STATIC DEPTH TO WATER (feet): 26.60	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
= (60.0 feet - 26.60 feet) X 0.65 gallons/foot = 21.71 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): 41.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 41.5	PURGING INITIATED AT: 9:29	PURGING ENDED AT: 10:18	TOTAL VOLUME PURGED (gallons): 34.78
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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)	ORP (mV)	COLOR (describe)	ODOR (describe)
10:00	22.00	22.00	0.71	26.60	7.12	24.80	467	1.44/17.4%	1.03	109.20	Clear	No Odor
10:09	6.39	28.39	0.71	26.60	7.08	24.90	467	1.41/17.1%	0.88	108.30	Clear	No Odor
10:18	6.39	34.78	0.71	26.60	7.20	24.90	467	1.39/16.8%	0.93	104.70	Clear	No Odor

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: Donovan Dickey/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED: 10:19	SAMPLING ENDED AT: 10:20
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PUMP OR TUBING DEPTH IN WELL (feet): 41.5	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-9	1	PE	500	----	0	7.20	TDS, chloride, nitrate	APP	~2688
4MW-9	1	PE	250	H2SO4	0	<2	Ammonia	APP	~2688
4MW-9	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~2688
4MW-9	3	CG	40	HCL	0	----	VOC	APP	~2688

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; RFP = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 2MW-19D		SAMPLE ID: 2MW-19D		DATE: 27 Apr-2023								
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 45 feet to 55 feet		STATIC DEPTH TO WATER (feet): 27.15	PURGE PUMP TYPE OR BAILER: PP					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (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) = 0 gallons + (0.0014 gallons/foot X 55 feet) + 0.09 gallons = 0.501 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 50		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 50		PURGING INITIATED AT: 9:46		PURGING ENDED AT: 10:15	TOTAL VOLUME PURGED (gallons): 0.63					
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
10:11	0.55	0.55	0.02	27.15	7.26	26.30	487	0.16/2.0%	0.02	72.80	Clear	No Odor
10:13	0.04	0.59	0.02	27.15	7.25	26.40	488	0.16/2.0%	0.02	64.60	Clear	No Odor
10:15	0.04	0.63	0.02	27.15	7.26	26.40	488	0.16/2.0%	0.02	63.70	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED: 10:16		SAMPLING ENDED AT: 10:45	
PUMP OR TUBING DEPTH IN WELL (feet): 50			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		FILTER SIZE: μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
2MW-19D	1	PE	500	----	----	7.26	TDS, Chloride, Nitrate	APP	~76
2MW-19D	1	PE	250	H2SO4	0	<2	Ammonia	APP	~76
2MW-19D	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~76
2MW-19D	3	CG	40	HCL	0	----	VOC	APP	~76
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; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES:

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

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 4MW-8		SAMPLE ID: 4MW-8		DATE: 27 Apr-2023								
PURGING DATA												
WELL DIAMETER (inches): 4	TUBING DIAMETER: 1/4	WELL SCREEN INTERVAL DEPTH: 32 feet to 65 feet		STATIC DEPTH TO WATER (feet): 24.40	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (65.0 feet - 24.40 feet) X 0.65 gallons/foot = 26.39 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): 43		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 43		PURGING INITIATED AT: 10:30	PURGING ENDED AT: 11:28	TOTAL VOLUME PURGED (gallons): 39.24						
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)	ORP (mV)	COLOR (describe)	ODOR (describe)
11:10	27.00	27.00	0.68	24.40	7.29	23.70	412	0.55/6.5%	1.07	193.60	Clear	No Odor
11:19	6.12	33.12	0.68	24.40	7.28	23.70	410	0.51/6.0%	0.98	187.50	Clear	No Odor
11:28	6.12	39.24	0.68	24.40	7.28	23.70	412	0.48/5.7%	0.83	181.90	Clear	No Odor
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: Donovan Dickey/SCS			SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED: 11:29		SAMPLING ENDED AT: 11:30	
PUMP OR TUBING DEPTH IN WELL (feet): 43			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>		FILTER SIZE: µm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N <input type="radio"/>			TUBING Y <input checked="" type="radio"/> N (replaced) <input type="radio"/>			DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>			
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-8	1	PE	500	----	0	7.28	TDS, chloride, nitrate	APP	~2574
4MW-8	1	PE	250	H2SO4	0	<2	Ammonia	APP	~2574
4MW-8	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~2574
4MW-8	3	CG	40	HCL	0	----	VOC	APP	~2574
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; RFPF = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY					SITE: 14230 Hays Rd, Spring Hill, FL 34610							
WELL NO: 4MW-22			SAMPLE ID: 4MW-22				DATE: 27 Apr-2023					
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 30.3 feet to 45.3 feet		STATIC DEPTH TO WATER (feet): 27.35		PURGE PUMP TYPE OR BAILER: PP				
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (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) = 0 gallons + (0.0014 gallons/foot X 40 feet) + 0.09 gallons = 0.438 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 38		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 38		PURGING INITIATED AT: 11:05		PURGING ENDED AT: 11:36		TOTAL VOLUME PURGED (gallons): 0.68				
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
11:32	0.60	0.60	0.02	27.35	7.27	26.00	444	0.08/1.0%	0.02	-58.00	Clear	No Odor
11:34	0.04	0.64	0.02	27.35	7.27	26.00	444	0.08/1.0%	0.02	-59.60	Clear	No Odor
11:36	0.04	0.68	0.02	27.35	7.26	26.10	444	0.08/1.0%	0.02	-61.20	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED: 11:40		SAMPLING ENDED AT: 12:06	
PUMP OR TUBING DEPTH IN WELL (feet): 38			TUBING MATERIAL CODE: HDPE + S		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		FILTER SIZE: μm			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>				
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
4MW-22	1	PE	500	----	0	7.26	TDS, Chloride, Nitrate	APP	~76	
4MW-23	1	PE	250	H2SO4	0	<2	Ammonia	APP	~77	
4MW-22	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~76	
4MW-22	3	CG	40	HCL	0	----	VOC	APP	~76	
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; RFPF = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 4MW-7				SAMPLE ID: 4MW-7				DATE: 27 Apr-2023				
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 1/4		WELL SCREEN INTERVAL DEPTH: 22 feet to 47 feet			STATIC DEPTH TO WATER (feet): 25.10		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (47.0 feet - 25.10 feet) X 0.16 gallons/foot = 3.5 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): 36		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 36		PURGING INITIATED AT: 11:35		PURGING ENDED AT: 12:25		TOTAL VOLUME PURGED (gallons): 16.32				
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
12:21	15.00	15.00	0.33	25.10	7.47	27.30	358	1.64/20.8%	7.41	142.20	Clear	No Odor
12:23	0.66	15.66	0.33	25.10	7.47	27.30	358	1.67/21.2%	7.27	140.20	Clear	No Odor
12:25	0.66	16.32	0.33	25.10	7.47	27.20	358	1.68/21.3%	7.38	140.20	Clear	No Odor
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: Donovan Dickey/SCS			SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED: 12:28		SAMPLING ENDED AT: 12:27	
PUMP OR TUBING DEPTH IN WELL (feet): 36			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>		FILTER SIZE: μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N <input type="radio"/>			TUBING Y <input checked="" type="radio"/> N (replaced) <input type="radio"/>			DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>			
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-7	1	PE	500	---	0	7.47	TDS, chloride, nitrate	APP	~1249
4MW-7	1	PE	250	H2SO4	0	<2	Ammonia	APP	~1249
4MW-7	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~1249
4MW-7	3	CG	40	HCL	0	---	VOC	APP	~1249
Orange particles in water took 15 gallons to clear up									
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; RFP = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 4MW-21		SAMPLE ID: 4MW-21		DATE: 27 Apr-2023								
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 24.2 feet to 39.2 feet		STATIC DEPTH TO WATER (feet): 23.90	PURGE PUMP TYPE OR BAILER: PP					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (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) = 0 gallons + (0.0014 gallons/foot X 35 feet) + 0.09 gallons = 0.417 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31.5		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31.5		PURGING INITIATED AT: 12:13	PURGING ENDED AT: 12:34	TOTAL VOLUME PURGED (gallons): 0.62						
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)	ORP (mV)	COLOR (describe)	ODOR (describe)
12:30	0.50	0.50	0.03	23.90	5.28	26.90	150	3.02/38.0%	0.46	201.90	Clear	No Odor
12:32	0.06	0.56	0.03	23.90	5.28	26.90	150	3.10/39.0%	0.46	202.70	Clear	No Odor
12:34	0.06	0.62	0.03	23.90	5.28	26.90	150	3.10/39.0%	0.46	202.50	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED: 12:35		SAMPLING ENDED AT: 12:54		
PUMP OR TUBING DEPTH IN WELL (feet): 31.5			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>		FILTER SIZE: μm		
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N <input type="radio"/>			TUBING Y <input checked="" type="radio"/> N (replaced) <input type="radio"/>			DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>				
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
4MW-21	1	PE	500	----	0	5.28	TDS, Chloride, Nitrate		APP	~114
4MW-21	1	PE	250	H2SO4	0	<2	Ammonia		APP	~114
4MW-21	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti		APP	~114
4MW-21	3	CG	40	HCL	0	----	VOC		APP	~114
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; RFP = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 4MW-12D	SAMPLE ID: 4MW-12D
DATE: 27 Apr-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER: 1/4	WELL SCREEN INTERVAL DEPTH: 30 feet to 55 feet	STATIC DEPTH TO WATER (feet): 28.10	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
= (55.0 feet - 28.10 feet) X 0.16 gallons/foot = 4.3 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): 40	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 40	PURGING INITIATED AT: 12:50	PURGING ENDED AT: 13:04	TOTAL VOLUME PURGED (gallons): 7.00
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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)	ORP (mV)	COLOR (describe)	ODOR (describe)
13:00	5.00	5.00	0.50	28.10	7.35	26.40	452	2.19/27.4%	1.12	191.80	Clear	No Odor
13:02	1.00	6.00	0.50	28.10	7.35	26.40	452	2.10/26.2%	1.07	187.60	Clear	No Odor
13:04	1.00	7.00	0.50	28.10	7.35	26.40	452	2.15/26.9%	1.01	186.20	Clear	No Odor

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: Donovan Dickey/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED: 13:05	SAMPLING ENDED AT: 13:06
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PUMP OR TUBING DEPTH IN WELL (feet): 40	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N <input type="radio"/> TUBING N (replaced) <input checked="" type="radio"/>		DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>	

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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-12D	1	PE	500	----	0	7.35	TDS, chloride, nitrate	APP	~1893
4MW-12D	1	PE	250	H2SO4	0	<2	Ammonia	APP	~1893
4MW-12D	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~1893
4MW-12D	3	CG	40	HCL	0	----	VOC	APP	~1893

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; RFPF = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 4MW-14D		SAMPLE ID: 4MW-14D		DATE: 27 Apr-2023								
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 25 feet to 50 feet		STATIC DEPTH TO WATER (feet): 24.60	PURGE PUMP TYPE OR BAILER: PP					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (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) = 0 gallons + (0.0014 gallons/foot X 44 feet) + 0.09 gallons = 0.455 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 37.5		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 37.5		PURGING INITIATED AT: 13:14		PURGING ENDED AT: 13:36	TOTAL VOLUME PURGED (gallons): 0.62					
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)	ORP (mV)	COLOR (describe)	ODOR (describe)
13:32	0.50	0.50	0.03	24.60	7.43	29.00	465	0.61/8.0%	0.02	66.50	Clear	No Odor
13:34	0.06	0.56	0.03	24.60	7.45	29.00	465	0.54/7.0%	0.02	67.30	Clear	No Odor
13:36	0.06	0.62	0.03	24.60	7.45	29.00	465	0.54/7.0%	0.02	68.60	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED: 13:40		SAMPLING ENDED AT: 13:56		
PUMP OR TUBING DEPTH IN WELL (feet): 37.5			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y <input type="radio"/> N <input checked="" type="radio"/>		FILTER SIZE: μm		
FIELD DECONTAMINATION: PUMP Y <input type="radio"/> N <input checked="" type="radio"/>			TUBING: <input type="radio"/> N <input checked="" type="radio"/> (replaced)			DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>				
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
4MW-14D	1	PE	500	----	0	7.45	TDS, Chloride, Nitrate		APP	~114
4MW-14D	1	PE	250	H2SO4	0	<2	Ammonia		APP	~114
4MW-14D	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti		APP	~114
4MW-14D	3	CG	40	HCL	0	----	VOC		APP	~114
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; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

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

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Project/Site: Pasco County Resource Recovery Facility

Date: 6/27/2023 - 6/28/2023

Meter # Rental (18D102401)

Temperature (Quarterly)												
For Date of Last Temperature Verification see _____ in log book _____												
Dissolved Oxygen	DEP SOP FT 1500	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation		Pass or Fail
										mg/l	(from chart)	
											Acceptance Criteria	+/- 0.3 mg/L
CAL (ICV) CCV		FH	6/27/2023	7:23			8.12	26.1	99.7	8.099		(P) F
CAL ICV (CCV)		FH	6/28/2023	7:20			8.01	27.1	99.8	7.954		(P) F
CAL ICV (CCV)		FH	6/28/2023	10:50			7.8	26.9	86.6	7.983		(P) F
CAL ICV CCV												P F
CAL ICV CCV												P F
CAL ICV CCV												P F

Specific	Conductance	DEP SOP FT 1200	Initials	Date	Time	Standard µmhos/cm	EXP. Date	Lot #	Bottle #	Cell Constant	Reading µmhos/cm	Pass or Fail
CAL (ICV) CCV			FH	6/27/2023	7:26	84	10/23	2GJ860			83.4	(P) F
CAL (ICV) CCV			FH	6/27/2023	7:29	1413	01/24	3GA162			1410	(P) F
CAL ICV (CCV)			FH	6/28/2023	7:23	84	10/23	2GJ860			86	(P) F
CAL ICV (CCV)			FH	6/28/2023	7:26	1413	01/24	3GA162			1412	(P) F
CAL ICV (CCV)			FH	6/28/2023	10:53	84	10/23	2GJ860			82	(P) F
CAL ICV (CCV)			FH	6/28/2023	10:56	1413	01/24	3GA162			1398	(P) F
CAL ICV CCV												P F

pH	DEP SOP FT 1100	Initials	Date	Time	Standard SU	EXP. Date	Lot #	Bottle #	Slope	Reading SU	Pass or Fail
CAL (ICV) CCV		FH	6/27/2023	7:32	7	12/24	2GL656			7.1	(P) F
CAL (ICV) CCV		FH	6/27/2023	7:35	4	12/24	2GL652			4.03	(P) F
CAL (ICV) CCV		FH	6/27/2023	7:38	10	12/24	2GL654			10.02	(P) F
CAL ICV (CCV)		FH	6/28/2023	7:29	7	12/24	2GL656			7.15	(P) F
CAL ICV (CCV)		FH	6/28/2023	7:32	4	12/24	2GL652			4.1	(P) F
CAL ICV (CCV)		FH	6/28/2023	7:35	10	12/24	2GL654			10.13	(P) F
CAL ICV (CCV)		FH	6/28/2023	10:59	7	12/24	2GL656			7.18	(P) F
CAL ICV (CCV)		FH	6/28/2023	11:02	4	12/24	2GL652			3.8	(P) F
CAL ICV (CCV)		FH	6/28/2023	11:05	10	12/24	2GL654			9.8	(P) F

Maintenance: Weekly pH Slope: _____ Specific conductance probe cleaned? Yes No Dissolved Oxygen Membrane Changed? Yes No

Notes:

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY RESOURCE RECOVERY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 4MW-22	SAMPLE ID: 4MW-22
DATE: 27 Jun-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER: 3/16	WELL SCREEN INTERVAL DEPTH: 30.3 feet to 45.3 feet	STATIC DEPTH TO WATER (feet): 31.00	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
= (45.3 feet - 31.00 feet) X 0.16 gallons/foot = 2.29 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): 40	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 40	PURGING INITIATED AT: 8:55	PURGING ENDED AT: 9:39	TOTAL VOLUME PURGED (gallons): 4.10

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
9:25	2.90	2.90	0.10	31.00	7.24	25.70	456	0.04/0.5%	0.33	59.40	Clear	No Odor
9:31	0.60	3.50	0.10	31.00	7.26	25.60	455	0.04/0.5%	0.33	52.70	Clear	No Odor
9:37	0.60	4.10	0.10	31.00	7.26	25.50	455	0.04/0.5%	0.33	50.70	Clear	No Odor

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: Fauve Herron/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED: 9:40	SAMPLING ENDED AT: 9:44
PUMP OR TUBING DEPTH IN WELL (feet): 40	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-22	1	PE	500	----	0	7.26	300_0rgim_28D_300_0rofms 2540c calcd	APP	~379
4MW-22	3	CG	40	HCL	0	<2	8260d appendix 1	APP	~379
4MW-22	1	PE	500	H2SO4	0	<2	Ammonia	APP	~379
4MW-22	1	PE	250	HNO3	0	<2	6020b,7470a,6010d	APP	~379

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; RFPF = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY RESOURCE RECOVERY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 4MW-21	SAMPLE ID: 4MW-21
DATE: 27 Jun-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER: 3/16	WELL SCREEN INTERVAL DEPTH: 24.2 feet to 39.2 feet	STATIC DEPTH TO WATER (feet): 24.80	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
= (39.2 feet - 24.80 feet) X 0.16 gallons/foot = 2.3 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME				
(only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 36	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 36	PURGING INITIATED AT: 10:00	PURGING ENDED AT: 10:31	TOTAL VOLUME PURGED (gallons): 4.30

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
10:20	2.90	2.90	0.14	24.80	5.16	25.50	151	0.56/6.9%	0.02	113.00	Clear	No Odor
10:25	0.70	3.60	0.14	24.80	5.16	25.50	152	0.56/6.9%	0.02	112.00	Clear	No Odor
10:30	0.70	4.30	0.14	24.80	5.15	25.50	152	0.56/6.9%	0.02	111.00	Clear	No Odor

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: Fauve Herron/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED: 10:32	SAMPLING ENDED AT: 10:35
PUMP OR TUBING DEPTH IN WELL (feet): 36	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-21	1	PE	500	----	0	5.15	300_0rgim_28D_300_0rofms 2540c calcd	APP	~530
4MW-21	3	CG	40	HCL	0	<2	8260d appendix 1	APP	~530
4MW-21	1	PE	500	H2SO4	0	<2	Ammonia	APP	~530
4MW-21	1	PE	250	HNO3	0	<2	6020b,7470a,6010d	APP	~530

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; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY RESOURCE RECOVERY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 4MW-23	SAMPLE ID: 4MW-23
DATE: 27 Jun-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER: 3/16	WELL SCREEN INTERVAL DEPTH: 38 feet to 53 feet	STATIC DEPTH TO WATER (feet): 29.90	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (53.0 feet - 29.90 feet) X 0.16 gallons/foot = 3.7 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): 40	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 40	PURGING INITIATED AT: 11:00	PURGING ENDED AT: 12:13	TOTAL VOLUME PURGED (gallons): 6.68
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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)	ORP (mV)	COLOR (describe)	ODOR (describe)
11:50	4.70	4.70	0.09	29.90	7.48	26.40	558	0.26/3.2%	1.01	-112.00	Clear	No Odor
12:01	0.99	5.69	0.09	29.90	7.47	26.30	556	0.27/3.4%	1.00	-112.80	Clear	No Odor
12:12	0.99	6.68	0.09	29.90	7.48	26.40	555	0.27/3.4%	1.01	-113.70	Clear	No Odor

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: Fauve Herron/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED: 12:25	SAMPLING ENDED AT: 12:30
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PUMP OR TUBING DEPTH IN WELL (feet): 40	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N <input type="radio"/> TUBING Y <input checked="" type="radio"/> N (replaced) <input type="radio"/>		DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>	

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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-23	1	PE	500	----	0	7.48	300_0rgim_28D_300_0rofms 2540c calcd	APP	~341
4MW-23	3	CG	40	HCL	0	<2	8260d appendix 1	APP	~341
4MW-23	1	PE	500	H2SO4	0	<2	Ammonia	APP	~341
4MW-23	1	PE	250	HNO3	0	<2	6020b,7470a,6010d	APP	~341

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; RFPF = 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)

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY RESOURCE RECOVERY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 4MW-14D		SAMPLE ID: 4MW-14D		DATE: 27 Jun-2023								
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 25 feet to 50 feet		STATIC DEPTH TO WATER (feet): 25.50	PURGE PUMP TYPE OR BAILER: PP					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (50.0 feet - 25.50 feet) X 0.16 gallons/foot = 3.92 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): 40		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 40		PURGING INITIATED AT: 12:40		PURGING ENDED AT: 14:04	TOTAL VOLUME PURGED (gallons): 6.74					
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)	ORP (mV)	COLOR (describe)	ODOR (describe)
13:40	4.90	4.90	0.08	25.50	7.49	27.80	490	1.34/17.1%	0.02	-17.40	Clear	No Odor
13:52	0.96	5.86	0.08	25.50	7.51	28.00	491	1.31/16.8%	0.02	-18.50	Clear	No Odor
14:03	0.88	6.74	0.08	25.50	7.52	28.00	492	1.32/16.9%	0.02	-18.80	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED: 14:05		SAMPLING ENDED AT: 14:09	
PUMP OR TUBING DEPTH IN WELL (feet): 40			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		FILTER SIZE: μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>			DUPLICATE: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>			
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-14D	1	PE	500	----	0	7.52	300_0rgim_28D_300_0rofms_2540c_calcd	APP	~303
4MW-14D	3	CG	40	HCL	0	<2	8260d appendix 1	APP	~303
4MW-14D	1	PE	500	H2SO4	0	<2	Ammonia	APP	~303
4MW-14D	1	PE	250	HNO3	0	<2	6020b,7470a,6010d	APP	~303
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; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES:

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

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY RESOURCE RECOVERY					SITE: 14230 Hays Rd, Spring Hill, FL 34610							
WELL NO: 2MW-27D			SAMPLE ID: 2MW-27D				DATE: 28 Jun-2023					
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 27 feet to 42 feet		STATIC DEPTH TO WATER (feet): 21.45		PURGE PUMP TYPE OR BAILER: PP				
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (42.0 feet - 21.45 feet) X 0.16 gallons/foot = 3.29 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): 25		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25		PURGING INITIATED AT: 8:35		PURGING ENDED AT: 9:51		TOTAL VOLUME PURGED (gallons): 6.21				
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)	ORP (mV)	COLOR (describe)	ODOR (describe)
9:26	4.29	4.29	0.08	21.45	7.41	26.70	691	0.20/2.5%	0.02	77.90	Clear	No Odor
9:38	0.96	5.25	0.08	21.45	7.40	26.80	688	0.02/0.2%	0.02	53.80	Clear	No odor
9:50	0.96	6.21	0.08	21.45	7.40	26.70	688	0.02/0.3%	0.02	42.70	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED: 9:55		SAMPLING ENDED AT: 10:10	
PUMP OR TUBING DEPTH IN WELL (feet): 25			TUBING MATERIAL CODE: HDPE + S		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>		FILTER SIZE: µm			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced) <input checked="" type="checkbox"/>		DUPLICATE: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>					
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
2MW-27D	1	PE	500	----	0	7.40	300_0rgim_28D_300_0rofms_2540c_calcd_8260d_appendix_1	APP	~303	
2MW-27D	3	CG	40	HCL	0	<2	Ammonia	APP	~303	
2MW-27D	1	PE	500	H2SO4	0	<2	6020b,7470a,6010d	APP	~303	
2MW-27D	1	PE	250	HNO3	0	<2		APP	~303	
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:

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

GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY RESOURCE RECOVERY	SITE: 14230 Hays Rd, Spring Hill, FL 34610
WELL NO: 4MW-27	SAMPLE ID: 4MW-27
DATE: 28 Jun-2023	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER: 3/16	WELL SCREEN INTERVAL DEPTH: 67 feet to 77 feet	STATIC DEPTH TO WATER (feet): 20.50	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
= (4 feet - 20.50 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)				
= 0 gallons + (0.0014 gallons/foot X 75 feet) + 0.09 gallons = 0.585 gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 72	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 72	PURGING INITIATED AT: 10:22	PURGING ENDED AT: 10:35	TOTAL VOLUME PURGED (gallons): 1.11

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)	ORP (mV)	COLOR (describe)	ODOR (describe)
10:30	0.75	0.75	0.09	20.50	9.45	25.60	400	0.39/4.8%	0.02	28.40	Clear	No Odor
10:32	0.18	0.93	0.09	20.50	9.47	25.60	399	0.39/4.8%	0.02	27.30	Clear	No Odor
10:34	0.18	1.11	0.09	20.50	9.48	25.70	400	0.39/4.8%	0.02	26.80	Clear	No Odor

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: Fauve Herron/SCS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED: 10:40	SAMPLING ENDED AT: 10:42
PUMP OR TUBING DEPTH IN WELL (feet): 72	TUBING MATERIAL CODE: HDPE + S	FIELD-FILTERED: Y <input checked="" type="radio"/> N	FILTER SIZE: μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N	TUBING Y <input checked="" type="radio"/> N (replaced)	DUPLICATE: Y <input checked="" type="radio"/> 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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
4MW-27	1	PE	250	HNO3	0	<2	V	APP	~189

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; RFP = 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)



Appendix C
Laboratory Analytical Report

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ANALYTICAL REPORT

PREPARED FOR

Attn: Fauve Herron
SCS Engineers
3922 Coconut Palm Drive
Suite 102
Tampa, Florida 33619

Generated 5/31/2023 1:29:41 PM Revision 1

JOB DESCRIPTION

Pasco County LF

JOB NUMBER

670-18597-1

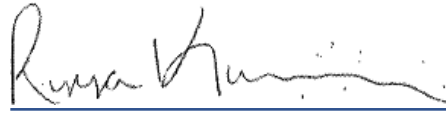
Eurofins Orlando

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
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Definitions/Glossary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

HPLC/IC

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

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Definitions/Glossary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Case Narrative

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Job ID: 670-18597-1

Laboratory: Eurofins Orlando

Narrative

Job Narrative 670-18597-1

Comments

No additional comments.

Revision

The report being provided is a revision of the original report sent on 5/30/2023. The report (revision 2) is being revised due to: The sample receipt checklist and field data were amended in this updated report.

Revision History

The report being provided is a revision of the original report sent on 5/11/2023. The report (revision 1) is being revised due to: After initial reporting, it was noted that COCs and sample receipt checklist were inadvertently omitted from the report. This report was amended to include the missing forms.

Receipt

The samples were received on 4/26/2023 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.8° C.

GC/MS VOA

Method 8260D: The laboratory control sample (LCS) for analytical batch 670-32955 recovered outside control limits for the following analytes: Iodomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-32955 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane, Bromomethane and trans-1,4-Dichloro-2-butene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The method blank for analytical batch 670-32955 contained Methylene Chloride above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL) OR practical quantitation limit (PQL).

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-32955 recovered above the upper control limit for Iodomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 670-32955/3).

Method 8260D: The method blank for analytical batch 670-32955 contained Acetone above the reporting limit (RL). This compound is considered a common laboratory contaminant. The associated sample(s) was not re-extracted and/or re-analyzed because the concentration of the common lab contaminant in the method blank was less than 5 times the RL.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-6

Lab Sample ID: 670-18597-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	4.0		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.57		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	2.4		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.0053		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Copper	0.0019	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Vanadium	0.0041		0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Ammonia (as N)	0.014	I	0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	14		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	8.14				SU	1		Field Sampling	Total/NA
Field Temperature	25.00				Celsius	1		Field Sampling	Total/NA
Specific Conductance	161.70				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	5.20				mg/L	1		Field Sampling	Total/NA
Turbidity	0.21				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	27.27				ft	1		Field Sampling	Total/NA

Client Sample ID: 4MW-4

Lab Sample ID: 670-18597-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	20		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.38	I	0.40	0.20	mg/L	1		300.0	Total/NA
Iron	0.071		0.056	0.028	mg/L	1		6010D	Total Recoverable
Sodium	6.2		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.0083		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Vanadium	0.0033		0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Ammonia (as N)	0.014	I	0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	200		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.33				SU	1		Field Sampling	Total/NA
Field Temperature	26.90				Celsius	1		Field Sampling	Total/NA
Specific Conductance	437				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.41				mg/L	1		Field Sampling	Total/NA
Turbidity	2.06				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	26.50				ft	1		Field Sampling	Total/NA

Client Sample ID: 2MW-27D

Lab Sample ID: 670-18597-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.57	I	1.0	0.53	ug/L	1		8260D	Total/NA
Trichloroethene	0.90	I	1.0	0.89	ug/L	1		8260D	Total/NA
Chloride	76		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	1.4		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	42		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.026		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Vanadium	0.0016	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Ammonia (as N)	0.024		0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-27D (Continued)

Lab Sample ID: 670-18597-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	310		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	6.63				SU	1		Field Sampling	Total/NA
Field Temperature	23.40				Celsius	1		Field Sampling	Total/NA
Specific Conductance	763				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.56				mg/L	1		Field Sampling	Total/NA
Turbidity	3.13				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	21.95				ft	1		Field Sampling	Total/NA

Client Sample ID: 4MW-27

Lab Sample ID: 670-18597-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	79		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.26	I	0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	40		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.017		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Vanadium	0.096		0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Ammonia (as N)	0.018	I	0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	140		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	8.89				SU	1		Field Sampling	Total/NA
Field Temperature	24.10				Celsius	1		Field Sampling	Total/NA
Specific Conductance	403				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.59				mg/L	1		Field Sampling	Total/NA
Turbidity	0.92				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	20.40				ft	1		Field Sampling	Total/NA

Client Sample ID: 4MW-27D

Lab Sample ID: 670-18597-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	4.8		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	4.7		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.010		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Ammonia (as N)	0.015	I	0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	10		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	8.26				SU	1		Field Sampling	Total/NA
Field Temperature	24.80				Celsius	1		Field Sampling	Total/NA
Specific Conductance	277				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.74				mg/L	1		Field Sampling	Total/NA
Turbidity	0.23				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	20.10				ft	1		Field Sampling	Total/NA

Client Sample ID: 2MW-15DA

Lab Sample ID: 670-18597-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.9		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	3.5		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.0092		0.0044	0.0022	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Orlando

Detection Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-15DA (Continued)

Lab Sample ID: 670-18597-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	0.0018	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Ammonia (as N)	0.021		0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	48		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.78				SU	1		Field Sampling	Total/NA
Field Temperature	27.10				Celsius	1		Field Sampling	Total/NA
Specific Conductance	153				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.32				mg/L	1		Field Sampling	Total/NA
Turbidity	0.03				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	24.60				ft	1		Field Sampling	Total/NA

Client Sample ID: 2MW-24S

Lab Sample ID: 670-18597-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	18		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	3.6		0.40	0.20	mg/L	1		300.0	Total/NA
Iron	0.11		0.056	0.028	mg/L	1		6010D	Total Recoverable
Sodium	9.5		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.026		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Vanadium	0.0014	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Ammonia (as N)	0.036		0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA
Field pH	7.17				SU	1		Field Sampling	Total/NA
Field Temperature	29.20				Celsius	1		Field Sampling	Total/NA
Specific Conductance	102				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.34				mg/L	1		Field Sampling	Total/NA
Turbidity	2.30				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	23.30				ft	1		Field Sampling	Total/NA

Client Sample ID: 2MW-24D

Lab Sample ID: 670-18661-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	48		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	1.7		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	23		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	17		4.4	2.2	ug/L	1		6020B	Total Recoverable
Vanadium	1.1	I	2.2	1.1	ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	220		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.50				SU	1		Field Sampling	Total/NA
Field Temperature	23.80				Degrees C	1		Field Sampling	Total/NA
Specific Conductance	550				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.19				mg/L	1		Field Sampling	Total/NA
Turbidity	1.73				NTU	1		Field Sampling	Total/NA

Client Sample ID: 2MW-25D

Lab Sample ID: 670-18661-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	64		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Orlando

Detection Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-25D (Continued)

Lab Sample ID: 670-18661-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	1.1		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	35		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	22		4.4	2.2	ug/L	1		6020B	Total Recoverable
Vanadium	1.6	I	2.2	1.1	ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	310		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.40				SU	1		Field Sampling	Total/NA
Field Temperature	26.40				Degrees C	1		Field Sampling	Total/NA
Specific Conductance	648				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.84				mg/L	1		Field Sampling	Total/NA
Turbidity	1.20				NTU	1		Field Sampling	Total/NA

Client Sample ID: 2MW-26D

Lab Sample ID: 670-18661-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	51		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.27	I	0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	27		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	16		4.4	2.2	ug/L	1		6020B	Total Recoverable
Vanadium	4.3		2.2	1.1	ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	180		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.90				SU	1		Field Sampling	Total/NA
Field Temperature	26.60				Degrees C	1		Field Sampling	Total/NA
Specific Conductance	427				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.06				mg/L	1		Field Sampling	Total/NA
Turbidity	1.80				NTU	1		Field Sampling	Total/NA

Client Sample ID: 4MW-23

Lab Sample ID: 670-18661-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	52		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	0.69		0.056	0.028	mg/L	1		6010D	Total Recoverable
Sodium	29		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	11		4.4	2.2	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.16		0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	200		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.72				SU	1		Field Sampling	Total/NA
Field Temperature	28.70				Degrees C	1		Field Sampling	Total/NA
Specific Conductance	513				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.03				mg/L	1		Field Sampling	Total/NA
Turbidity	1.14				NTU	1		Field Sampling	Total/NA

Client Sample ID: Equipment Blank

Lab Sample ID: 670-18661-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	15		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	1.9		0.40	0.20	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Orlando

Detection Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: Equipment Blank (Continued)

Lab Sample ID: 670-18661-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	8.8		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	5.6		4.4	2.2	ug/L	1		6020B	Total Recoverable
Vanadium	2.8		2.2	1.1	ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	30		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: Duplicate 1

Lab Sample ID: 670-18661-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	52		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	0.60		0.056	0.028	mg/L	1		6010D	Total Recoverable
Sodium	29		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	11		4.4	2.2	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.14		0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	320		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW-11D

Lab Sample ID: 670-18661-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	42		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.84		0.40	0.20	mg/L	1		300.0	Total/NA
Iron	0.095		0.056	0.028	mg/L	1		6010D	Total Recoverable
Sodium	17		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	10		4.4	2.2	ug/L	1		6020B	Total Recoverable
Vanadium	1.7	I	2.2	1.1	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.034		0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	210		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.38				SU	1		Field Sampling	Total/NA
Field Temperature	27.20				Degrees C	1		Field Sampling	Total/NA
Specific Conductance	514				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.88				mg/L	1		Field Sampling	Total/NA
Turbidity	9.40				NTU	1		Field Sampling	Total/NA

Client Sample ID: 2MW-18D

Lab Sample ID: 670-18661-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	40		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.83		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	12		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	11		4.4	2.2	ug/L	1		6020B	Total Recoverable
Vanadium	2.5		2.2	1.1	ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	190		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.27				SU	1		Field Sampling	Total/NA
Field Temperature	26.20				Degrees C	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Orlando

Detection Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-18D (Continued)

Lab Sample ID: 670-18661-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	502				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.68				mg/L	1		Field Sampling	Total/NA
Turbidity	2.50				NTU	1		Field Sampling	Total/NA

Client Sample ID: 4MW-3A

Lab Sample ID: 670-18661-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	19		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	0.21		0.056	0.028	mg/L	1		6010D	Total Recoverable
Sodium	9.1		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	9.5		4.4	2.2	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.16		0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	110		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.37				SU	1		Field Sampling	Total/NA
Field Temperature	24.00				Degrees C	1		Field Sampling	Total/NA
Specific Conductance	422				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.16				mg/L	1		Field Sampling	Total/NA
Turbidity	1.86				NTU	1		Field Sampling	Total/NA

Client Sample ID: 4MW-5

Lab Sample ID: 670-18661-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	57		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.70		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	25		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	11		4.4	2.2	ug/L	1		6020B	Total Recoverable
Vanadium	2.3		2.2	1.1	ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	280		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.28				SU	1		Field Sampling	Total/NA
Field Temperature	24.20				Degrees C	1		Field Sampling	Total/NA
Specific Conductance	597				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.96				mg/L	1		Field Sampling	Total/NA
Turbidity	0.52				NTU	1		Field Sampling	Total/NA

Client Sample ID: 2MW-2

Lab Sample ID: 670-18752-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	3.9		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	1.1		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	2.2		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.021		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Copper	0.0018	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Zinc	0.0022	I	0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	14		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	4.91				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Orlando

Detection Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-2 (Continued)

Lab Sample ID: 670-18752-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field Temperature	23.40				Celsius	1		Field Sampling	Total/NA
Specific Conductance	63				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	6.28				mg/L	1		Field Sampling	Total/NA
Turbidity	1.39				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	24.50				ft	1		Field Sampling	Total/NA

Client Sample ID: 2MW-19D

Lab Sample ID: 670-18752-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	24		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.38	I	0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	7.8		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.0084		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Vanadium	0.0018	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	180		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.26				SU	1		Field Sampling	Total/NA
Field Temperature	26.40				Celsius	1		Field Sampling	Total/NA
Specific Conductance	488				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.16				mg/L	1		Field Sampling	Total/NA
Turbidity	0.02				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	27.15				ft	1		Field Sampling	Total/NA

Client Sample ID: 4MW-22

Lab Sample ID: 670-18752-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	17		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	0.071		0.056	0.028	mg/L	1		6010D	Total Recoverable
Sodium	7.1		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.010		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Ammonia (as N)	0.084		0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	140		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.26				SU	1		Field Sampling	Total/NA
Field Temperature	26.10				Celsius	1		Field Sampling	Total/NA
Specific Conductance	444				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.08				mg/L	1		Field Sampling	Total/NA
Turbidity	0.02				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	27.35				ft	1		Field Sampling	Total/NA

Client Sample ID: 4MW-21

Lab Sample ID: 670-18752-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	8.3		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	7.4		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	5.6		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.0093		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Cadmium	0.0011	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Orlando

Detection Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-21 (Continued)

Lab Sample ID: 670-18752-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.0012	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Vanadium	0.0017	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Field pH	5.28				SU	1		Field Sampling	Total/NA
Field Temperature	26.90				Celsius	1		Field Sampling	Total/NA
Specific Conductance	150				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.10				mg/L	1		Field Sampling	Total/NA
Turbidity	0.46				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	23.90				ft	1		Field Sampling	Total/NA

Client Sample ID: 4MW-14D

Lab Sample ID: 670-18752-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	48		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.70		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	12		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.012		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Zinc	0.018		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	200		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.45				SU	1		Field Sampling	Total/NA
Field Temperature	29.00				Celsius	1		Field Sampling	Total/NA
Specific Conductance	465				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.54				mg/L	1		Field Sampling	Total/NA
Turbidity	0.02				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	24.60				ft	1		Field Sampling	Total/NA

Client Sample ID: 4MW-2

Lab Sample ID: 670-18752-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.2		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.51		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	2.9		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.0064		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Vanadium	0.0051		0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	28		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.51				SU	1		Field Sampling	Total/NA
Field Temperature	23.40				Celsius	1		Field Sampling	Total/NA
Specific Conductance	214.80				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.03				mg/L	1		Field Sampling	Total/NA
Turbidity	0.57				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	24.92				ft	1		Field Sampling	Total/NA

Client Sample ID: 4MW-9

Lab Sample ID: 670-18752-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	32		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.36	I	0.40	0.20	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Orlando

Detection Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-9 (Continued)

Lab Sample ID: 670-18752-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	13		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.0097		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	140		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.20				SU	1		Field Sampling	Total/NA
Field Temperature	24.90				Celsius	1		Field Sampling	Total/NA
Specific Conductance	467				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.39				mg/L	1		Field Sampling	Total/NA
Turbidity	0.93				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	26.60				ft	1		Field Sampling	Total/NA

Client Sample ID: 4MW-8

Lab Sample ID: 670-18752-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	12		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	4.8		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.0081		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	120		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.28				SU	1		Field Sampling	Total/NA
Field Temperature	23.70				Celsius	1		Field Sampling	Total/NA
Specific Conductance	412				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.48				mg/L	1		Field Sampling	Total/NA
Turbidity	0.83				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	24.40				ft	1		Field Sampling	Total/NA

Client Sample ID: 4MW-7

Lab Sample ID: 670-18752-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	13		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.89		0.40	0.20	mg/L	1		300.0	Total/NA
Iron	0.25		0.056	0.028	mg/L	1		6010D	Total Recoverable
Sodium	4.8		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.0099		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Vanadium	0.0014	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Ammonia (as N)	0.014	I	0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	48		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.47				SU	1		Field Sampling	Total/NA
Field Temperature	27.20				Celsius	1		Field Sampling	Total/NA
Specific Conductance	358				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.68				mg/L	1		Field Sampling	Total/NA
Turbidity	7.38				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	25.10				ft	1		Field Sampling	Total/NA

Client Sample ID: 4MW-12D

Lab Sample ID: 670-18752-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	29		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: SCS Engineers
 Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-12D (Continued)

Lab Sample ID: 670-18752-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.83		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	7.6		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.0079		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Vanadium	0.0011	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	150		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.35				SU	1		Field Sampling	Total/NA
Field Temperature	26.40				Celsius	1		Field Sampling	Total/NA
Specific Conductance	452				uS/cm	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.15				mg/L	1		Field Sampling	Total/NA
Turbidity	1.01				NTU	1		Field Sampling	Total/NA
Depth to Water (ft from MP)	28.10				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-6

Lab Sample ID: 670-18597-1

Date Collected: 04/25/23 12:18

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 10:45	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 10:45	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 10:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 10:45	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 10:45	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 10:45	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 10:45	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 10:45	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 10:45	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 10:45	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 10:45	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 10:45	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 10:45	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 10:45	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 10:45	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 10:45	1
Acetone	25	U	50	25	ug/L			05/03/23 10:45	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 10:45	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 10:45	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 10:45	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 10:45	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 10:45	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 10:45	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 10:45	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 10:45	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 10:45	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 10:45	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 10:45	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 10:45	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 10:45	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 10:45	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 10:45	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 10:45	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 10:45	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 10:45	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 10:45	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 10:45	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 10:45	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 10:45	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 10:45	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 10:45	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 10:45	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 10:45	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 10:45	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 10:45	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 10:45	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 10:45	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 10:45	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 10:45	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-6

Lab Sample ID: 670-18597-1

Date Collected: 04/25/23 12:18

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 10:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		41 - 142					05/03/23 10:45	1
Dibromofluoromethane (Surr)	111		53 - 146					05/03/23 10:45	1
Toluene-d8 (Surr)	108		40 - 146					05/03/23 10:45	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.0		0.40	0.20	mg/L			04/26/23 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.57		0.40	0.20	mg/L			04/26/23 17:12	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/27/23 10:57	04/27/23 15:00	1
Sodium	2.4		2.2	1.1	mg/L		04/27/23 10:57	04/27/23 15:00	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:26	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:26	1
Barium	0.0053		0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:26	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:26	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:26	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:26	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:26	1
Copper	0.0019	I	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:26	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:26	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:26	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:26	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:26	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:26	1
Vanadium	0.0041		0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:26	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		04/26/23 16:20	04/27/23 10:40	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	I	0.020	0.014	mg/L			04/26/23 20:13	1
Total Dissolved Solids (SM 2540C)	14		5.0	5.0	mg/L			04/27/23 15:19	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.14				SU			04/25/23 12:18	1
Field Temperature	25.00				Celsius			04/25/23 12:18	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-6

Lab Sample ID: 670-18597-1

Date Collected: 04/25/23 12:18

Matrix: Water

Date Received: 04/26/23 08:00

Method: EPA Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	161.70				uS/cm			04/25/23 12:18	1
Oxygen, Dissolved	5.20				mg/L			04/25/23 12:18	1
Turbidity	0.21				NTU			04/25/23 12:18	1
Depth to Water (ft from MP)	27.27				ft			04/25/23 12:18	1

Client Sample ID: 4MW-4

Lab Sample ID: 670-18597-2

Date Collected: 04/25/23 13:08

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 11:21	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 11:21	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 11:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 11:21	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 11:21	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 11:21	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 11:21	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 11:21	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 11:21	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 11:21	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 11:21	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 11:21	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 11:21	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 11:21	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 11:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 11:21	1
Acetone	25	U	50	25	ug/L			05/03/23 11:21	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 11:21	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 11:21	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 11:21	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 11:21	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 11:21	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 11:21	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 11:21	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 11:21	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 11:21	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 11:21	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 11:21	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 11:21	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 11:21	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 11:21	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 11:21	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 11:21	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 11:21	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 11:21	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 11:21	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 11:21	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 11:21	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 11:21	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-4
Date Collected: 04/25/23 13:08
Date Received: 04/26/23 08:00

Lab Sample ID: 670-18597-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 11:21	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 11:21	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 11:21	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 11:21	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 11:21	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 11:21	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 11:21	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 11:21	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 11:21	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 11:21	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 11:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		41 - 142					05/03/23 11:21	1
Dibromofluoromethane (Surr)	112		53 - 146					05/03/23 11:21	1
Toluene-d8 (Surr)	110		40 - 146					05/03/23 11:21	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20		0.40	0.20	mg/L			04/26/23 17:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.38	I	0.40	0.20	mg/L			04/26/23 17:34	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.071		0.056	0.028	mg/L		04/27/23 10:57	04/27/23 15:02	1
Sodium	6.2		2.2	1.1	mg/L		04/27/23 10:57	04/27/23 15:02	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:32	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:32	1
Barium	0.0083		0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:32	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:32	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:32	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:32	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:32	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:32	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:32	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:32	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:32	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:32	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:32	1
Vanadium	0.0033		0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:32	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		04/26/23 16:20	04/27/23 10:41	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-4

Lab Sample ID: 670-18597-2

Date Collected: 04/25/23 13:08

Matrix: Water

Date Received: 04/26/23 08:00

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	I	0.020	0.014	mg/L			04/26/23 20:14	1
Total Dissolved Solids (SM 2540C)	200		5.0	5.0	mg/L			04/27/23 15:19	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.33				SU			04/25/23 13:08	1
Field Temperature	26.90				Celsius			04/25/23 13:08	1
Specific Conductance	437				uS/cm			04/25/23 13:08	1
Oxygen, Dissolved	2.41				mg/L			04/25/23 13:08	1
Turbidity	2.06				NTU			04/25/23 13:08	1
Depth to Water (ft from MP)	26.50				ft			04/25/23 13:08	1

Client Sample ID: 2MW-27D

Lab Sample ID: 670-18597-3

Date Collected: 04/25/23 08:40

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 14:29	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 14:29	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 14:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 14:29	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 14:29	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 14:29	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 14:29	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 14:29	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 14:29	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 14:29	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 14:29	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 14:29	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 14:29	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 14:29	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 14:29	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 14:29	1
Acetone	25	U	50	25	ug/L			05/03/23 14:29	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 14:29	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 14:29	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 14:29	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 14:29	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 14:29	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 14:29	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 14:29	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 14:29	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 14:29	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 14:29	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 14:29	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 14:29	1
cis-1,2-Dichloroethene	0.57	I	1.0	0.53	ug/L			05/03/23 14:29	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 14:29	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-27D

Lab Sample ID: 670-18597-3

Date Collected: 04/25/23 08:40

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 14:29	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 14:29	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 14:29	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 14:29	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 14:29	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 14:29	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 14:29	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 14:29	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 14:29	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 14:29	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 14:29	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 14:29	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 14:29	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 14:29	1
Trichloroethene	0.90	I	1.0	0.89	ug/L			05/03/23 14:29	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 14:29	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 14:29	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 14:29	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		41 - 142		05/03/23 14:29	1
Dibromofluoromethane (Surr)	112		53 - 146		05/03/23 14:29	1
Toluene-d8 (Surr)	110		40 - 146		05/03/23 14:29	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76		0.40	0.20	mg/L			04/26/23 17:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.4		0.40	0.20	mg/L			04/26/23 17:55	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/27/23 10:57	04/27/23 15:05	1
Sodium	42		2.2	1.1	mg/L		04/27/23 10:57	04/27/23 15:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:35	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:35	1
Barium	0.026		0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:35	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:35	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:35	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:35	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:35	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:35	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:35	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:35	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:35	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-27D

Lab Sample ID: 670-18597-3

Date Collected: 04/25/23 08:40

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:35	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:35	1
Vanadium	0.0016	I	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:35	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		04/26/23 16:20	04/27/23 10:43	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.024		0.020	0.014	mg/L			04/26/23 20:15	1
Total Dissolved Solids (SM 2540C)	310		5.0	5.0	mg/L			04/27/23 15:19	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.63				SU			04/25/23 08:40	1
Field Temperature	23.40				Celsius			04/25/23 08:40	1
Specific Conductance	763				uS/cm			04/25/23 08:40	1
Oxygen, Dissolved	3.56				mg/L			04/25/23 08:40	1
Turbidity	3.13				NTU			04/25/23 08:40	1
Depth to Water (ft from MP)	21.95				ft			04/25/23 08:40	1

Client Sample ID: 4MW-27

Lab Sample ID: 670-18597-4

Date Collected: 04/25/23 09:50

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 14:52	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 14:52	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 14:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 14:52	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 14:52	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 14:52	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 14:52	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 14:52	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 14:52	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 14:52	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 14:52	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 14:52	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 14:52	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 14:52	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 14:52	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 14:52	1
Acetone	25	U	50	25	ug/L			05/03/23 14:52	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 14:52	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 14:52	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 14:52	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 14:52	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-27

Lab Sample ID: 670-18597-4

Date Collected: 04/25/23 09:50

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 14:52	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 14:52	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 14:52	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 14:52	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 14:52	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 14:52	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 14:52	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 14:52	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 14:52	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 14:52	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 14:52	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 14:52	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 14:52	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 14:52	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 14:52	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 14:52	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 14:52	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 14:52	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 14:52	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 14:52	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 14:52	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 14:52	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 14:52	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 14:52	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 14:52	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 14:52	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 14:52	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 14:52	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		41 - 142		05/03/23 14:52	1
Dibromofluoromethane (Surr)	112		53 - 146		05/03/23 14:52	1
Toluene-d8 (Surr)	113		40 - 146		05/03/23 14:52	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79		0.40	0.20	mg/L			04/26/23 18:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.26	I	0.40	0.20	mg/L			04/26/23 18:17	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/27/23 10:57	04/27/23 15:08	1
Sodium	40		2.2	1.1	mg/L		04/27/23 10:57	04/27/23 15:08	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:38	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-27

Lab Sample ID: 670-18597-4

Date Collected: 04/25/23 09:50

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:38	1
Barium	0.017		0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:38	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:38	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:38	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:38	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:38	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:38	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:38	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:38	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:38	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:38	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:38	1
Vanadium	0.096		0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:38	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		04/26/23 16:20	04/27/23 10:44	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.018	I	0.020	0.014	mg/L			04/26/23 20:16	1
Total Dissolved Solids (SM 2540C)	140		5.0	5.0	mg/L			04/27/23 15:19	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.89				SU			04/25/23 09:50	1
Field Temperature	24.10				Celsius			04/25/23 09:50	1
Specific Conductance	403				uS/cm			04/25/23 09:50	1
Oxygen, Dissolved	1.59				mg/L			04/25/23 09:50	1
Turbidity	0.92				NTU			04/25/23 09:50	1
Depth to Water (ft from MP)	20.40				ft			04/25/23 09:50	1

Client Sample ID: 4MW-27D

Lab Sample ID: 670-18597-5

Date Collected: 04/25/23 10:55

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 15:10	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 15:10	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 15:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 15:10	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 15:10	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 15:10	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 15:10	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 15:10	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 15:10	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 15:10	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 15:10	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-27D

Lab Sample ID: 670-18597-5

Date Collected: 04/25/23 10:55

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 15:10	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 15:10	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 15:10	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 15:10	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 15:10	1
Acetone	25	U	50	25	ug/L			05/03/23 15:10	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 15:10	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 15:10	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 15:10	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 15:10	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 15:10	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 15:10	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 15:10	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 15:10	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 15:10	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 15:10	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 15:10	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 15:10	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 15:10	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 15:10	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 15:10	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 15:10	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 15:10	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 15:10	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 15:10	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 15:10	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 15:10	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 15:10	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 15:10	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 15:10	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 15:10	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 15:10	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 15:10	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 15:10	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 15:10	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 15:10	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 15:10	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 15:10	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 15:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		41 - 142		05/03/23 15:10	1
Dibromofluoromethane (Surr)	114		53 - 146		05/03/23 15:10	1
Toluene-d8 (Surr)	113		40 - 146		05/03/23 15:10	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.8		0.40	0.20	mg/L			04/26/23 18:39	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-27D

Lab Sample ID: 670-18597-5

Date Collected: 04/25/23 10:55

Matrix: Water

Date Received: 04/26/23 08:00

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20	U	0.40	0.20	mg/L			04/26/23 18:39	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/27/23 10:57	04/27/23 15:10	1
Sodium	4.7		2.2	1.1	mg/L		04/27/23 10:57	04/27/23 15:10	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:41	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:41	1
Barium	0.010		0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:41	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:41	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:41	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:41	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:41	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:41	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:41	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:41	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:41	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:41	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:41	1
Vanadium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:41	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		04/26/23 16:20	04/27/23 10:48	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.015	I	0.020	0.014	mg/L			04/26/23 20:17	1
Total Dissolved Solids (SM 2540C)	10		5.0	5.0	mg/L			04/27/23 15:19	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.26				SU			04/25/23 10:55	1
Field Temperature	24.80				Celsius			04/25/23 10:55	1
Specific Conductance	277				uS/cm			04/25/23 10:55	1
Oxygen, Dissolved	0.74				mg/L			04/25/23 10:55	1
Turbidity	0.23				NTU			04/25/23 10:55	1
Depth to Water (ft from MP)	20.10				ft			04/25/23 10:55	1

Client Sample ID: 2MW-15DA

Lab Sample ID: 670-18597-6

Date Collected: 04/25/23 12:05

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 15:28	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-15DA

Lab Sample ID: 670-18597-6

Date Collected: 04/25/23 12:05

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 15:28	1
1,1,1,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 15:28	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 15:28	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 15:28	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 15:28	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 15:28	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 15:28	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 15:28	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 15:28	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 15:28	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 15:28	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 15:28	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 15:28	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 15:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 15:28	1
Acetone	25	U	50	25	ug/L			05/03/23 15:28	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 15:28	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 15:28	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 15:28	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 15:28	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 15:28	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 15:28	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 15:28	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 15:28	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 15:28	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 15:28	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 15:28	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 15:28	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 15:28	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 15:28	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 15:28	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 15:28	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 15:28	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 15:28	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 15:28	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 15:28	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 15:28	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 15:28	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 15:28	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 15:28	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 15:28	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 15:28	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 15:28	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 15:28	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 15:28	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 15:28	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 15:28	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 15:28	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 15:28	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-15DA

Lab Sample ID: 670-18597-6

Date Collected: 04/25/23 12:05

Matrix: Water

Date Received: 04/26/23 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		41 - 142		05/03/23 15:28	1
Dibromofluoromethane (Surr)	113		53 - 146		05/03/23 15:28	1
Toluene-d8 (Surr)	111		40 - 146		05/03/23 15:28	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.9		0.40	0.20	mg/L			04/26/23 19:01	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20	U	0.40	0.20	mg/L			04/26/23 19:01	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/27/23 10:57	04/27/23 15:13	1
Sodium	3.5		2.2	1.1	mg/L		04/27/23 10:57	04/27/23 15:13	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:47	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:47	1
Barium	0.0092		0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:47	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:47	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:47	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:47	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:47	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:47	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:47	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:47	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:47	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:47	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:47	1
Vanadium	0.0018	I	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:47	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		04/26/23 16:20	04/27/23 10:50	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.021		0.020	0.014	mg/L			04/26/23 20:18	1
Total Dissolved Solids (SM 2540C)	48		5.0	5.0	mg/L			04/27/23 15:19	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.78				SU			04/25/23 12:05	1
Field Temperature	27.10				Celsius			04/25/23 12:05	1
Specific Conductance	153				uS/cm			04/25/23 12:05	1
Oxygen, Dissolved	0.32				mg/L			04/25/23 12:05	1
Turbidity	0.03				NTU			04/25/23 12:05	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-15DA

Lab Sample ID: 670-18597-6

Date Collected: 04/25/23 12:05

Matrix: Water

Date Received: 04/26/23 08:00

Method: EPA Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	24.60				ft			04/25/23 12:05	1

Client Sample ID: 2MW-24S

Lab Sample ID: 670-18597-7

Date Collected: 04/25/23 13:25

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 15:46	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 15:46	1
1,1,1,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 15:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 15:46	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 15:46	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 15:46	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 15:46	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 15:46	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 15:46	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 15:46	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 15:46	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 15:46	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 15:46	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 15:46	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 15:46	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 15:46	1
Acetone	25	U	50	25	ug/L			05/03/23 15:46	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 15:46	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 15:46	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 15:46	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 15:46	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 15:46	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 15:46	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 15:46	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 15:46	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 15:46	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 15:46	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 15:46	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 15:46	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 15:46	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 15:46	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 15:46	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 15:46	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 15:46	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 15:46	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 15:46	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 15:46	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 15:46	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 15:46	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 15:46	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 15:46	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 15:46	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-24S

Lab Sample ID: 670-18597-7

Date Collected: 04/25/23 13:25

Matrix: Water

Date Received: 04/26/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 15:46	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 15:46	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 15:46	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 15:46	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 15:46	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 15:46	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 15:46	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		41 - 142		05/03/23 15:46	1
Dibromofluoromethane (Surr)	115		53 - 146		05/03/23 15:46	1
Toluene-d8 (Surr)	114		40 - 146		05/03/23 15:46	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18		0.40	0.20	mg/L			04/26/23 19:23	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	3.6		0.40	0.20	mg/L			04/26/23 19:23	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.11		0.056	0.028	mg/L		04/27/23 10:57	04/27/23 15:15	1
Sodium	9.5		2.2	1.1	mg/L		04/27/23 10:57	04/27/23 15:15	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:49	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:49	1
Barium	0.026		0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:49	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:49	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:49	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:49	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:49	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:49	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:49	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:49	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:49	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:49	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/27/23 11:01	04/27/23 19:49	1
Vanadium	0.0014	I	0.0022	0.0011	mg/L		04/27/23 11:01	04/27/23 19:49	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/27/23 11:01	04/27/23 19:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		04/26/23 16:20	04/27/23 10:51	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-24S

Lab Sample ID: 670-18597-7

Date Collected: 04/25/23 13:25

Matrix: Water

Date Received: 04/26/23 08:00

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.036		0.020	0.014	mg/L			04/26/23 20:19	1
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			04/27/23 15:19	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.17				SU			04/25/23 13:25	1
Field Temperature	29.20				Celsius			04/25/23 13:25	1
Specific Conductance	102				uS/cm			04/25/23 13:25	1
Oxygen, Dissolved	0.34				mg/L			04/25/23 13:25	1
Turbidity	2.30				NTU			04/25/23 13:25	1
Depth to Water (ft from MP)	23.30				ft			04/25/23 13:25	1

Client Sample ID: 2MW-24D

Lab Sample ID: 670-18661-1

Date Collected: 04/26/23 08:10

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 16:14	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 16:14	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 16:14	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 16:14	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 16:14	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 16:14	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 16:14	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 16:14	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 16:14	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 16:14	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 16:14	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 16:14	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 16:14	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 16:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 16:14	1
Acetone	25	U	50	25	ug/L			05/03/23 16:14	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 16:14	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 16:14	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 16:14	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 16:14	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 16:14	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 16:14	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 16:14	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 16:14	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 16:14	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 16:14	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 16:14	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 16:14	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 16:14	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 16:14	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-24D

Lab Sample ID: 670-18661-1

Date Collected: 04/26/23 08:10

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 16:14	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 16:14	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 16:14	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 16:14	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 16:14	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 16:14	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 16:14	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 16:14	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 16:14	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 16:14	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 16:14	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 16:14	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 16:14	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 16:14	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 16:14	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 16:14	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 16:14	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 16:14	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		40 - 146		05/03/23 16:14	1
4-Bromofluorobenzene (Surr)	101		41 - 142		05/03/23 16:14	1
Dibromofluoromethane (Surr)	101		53 - 146		05/03/23 16:14	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48		0.40	0.20	mg/L			04/28/23 05:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.7		0.40	0.20	mg/L			04/28/23 05:21	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/28/23 10:29	04/28/23 17:45	1
Sodium	23		2.2	1.1	mg/L		04/28/23 10:29	04/28/23 17:45	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:30	1
Arsenic	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:30	1
Barium	17		4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:30	1
Beryllium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:30	1
Cadmium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:30	1
Chromium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:30	1
Cobalt	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:30	1
Copper	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:30	1
Lead	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:30	1
Nickel	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:30	1
Selenium	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:30	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-24D

Lab Sample ID: 670-18661-1

Date Collected: 04/26/23 08:10

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:30	1
Thallium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:30	1
Vanadium	1.1	I	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:30	1
Zinc	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.40	0.20	ug/L		04/28/23 09:13	04/28/23 14:42	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 11:33	1
Total Dissolved Solids (SM 2540C)	220		5.0	5.0	mg/L			04/29/23 15:35	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.50				SU			04/26/23 08:10	1
Field Temperature	23.80				Degrees C			04/26/23 08:10	1
Specific Conductance	550				uS/cm			04/26/23 08:10	1
Oxygen, Dissolved	0.19				mg/L			04/26/23 08:10	1
Turbidity	1.73				NTU			04/26/23 08:10	1

Client Sample ID: 2MW-25D

Lab Sample ID: 670-18661-2

Date Collected: 04/26/23 09:40

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 16:32	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 16:32	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 16:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 16:32	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 16:32	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 16:32	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 16:32	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 16:32	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 16:32	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 16:32	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 16:32	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 16:32	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 16:32	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 16:32	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 16:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 16:32	1
Acetone	25	U	50	25	ug/L			05/03/23 16:32	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 16:32	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 16:32	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 16:32	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 16:32	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 16:32	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-25D

Lab Sample ID: 670-18661-2

Date Collected: 04/26/23 09:40

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 16:32	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 16:32	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 16:32	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 16:32	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 16:32	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 16:32	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 16:32	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 16:32	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 16:32	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 16:32	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 16:32	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 16:32	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 16:32	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 16:32	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 16:32	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 16:32	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 16:32	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 16:32	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 16:32	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 16:32	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 16:32	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 16:32	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 16:32	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 16:32	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 16:32	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 16:32	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 16:32	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	101		40 - 146		05/03/23 16:32	1
<i>4-Bromofluorobenzene (Surr)</i>	102		41 - 142		05/03/23 16:32	1
<i>Dibromofluoromethane (Surr)</i>	101		53 - 146		05/03/23 16:32	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64		0.40	0.20	mg/L			04/28/23 05:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.1		0.40	0.20	mg/L			04/28/23 05:43	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/28/23 10:29	04/28/23 17:48	1
Sodium	35		2.2	1.1	mg/L		04/28/23 10:29	04/28/23 17:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:33	1
Arsenic	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:33	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-25D

Lab Sample ID: 670-18661-2

Date Collected: 04/26/23 09:40

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	22		4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:33	1
Beryllium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:33	1
Cadmium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:33	1
Chromium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:33	1
Cobalt	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:33	1
Copper	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:33	1
Lead	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:33	1
Nickel	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:33	1
Selenium	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:33	1
Silver	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:33	1
Thallium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:33	1
Vanadium	1.6	I	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:33	1
Zinc	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.40	0.20	ug/L		04/28/23 09:13	04/28/23 14:43	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 11:34	1
Total Dissolved Solids (SM 2540C)	310		5.0	5.0	mg/L			04/29/23 15:35	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.40				SU			04/26/23 09:40	1
Field Temperature	26.40				Degrees C			04/26/23 09:40	1
Specific Conductance	648				uS/cm			04/26/23 09:40	1
Oxygen, Dissolved	1.84				mg/L			04/26/23 09:40	1
Turbidity	1.20				NTU			04/26/23 09:40	1

Client Sample ID: 2MW-26D

Lab Sample ID: 670-18661-3

Date Collected: 04/26/23 10:50

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 16:49	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 16:49	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 16:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 16:49	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 16:49	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 16:49	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 16:49	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 16:49	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 16:49	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 16:49	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 16:49	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 16:49	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 16:49	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-26D

Lab Sample ID: 670-18661-3

Date Collected: 04/26/23 10:50

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 16:49	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 16:49	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 16:49	1
Acetone	25	U	50	25	ug/L			05/03/23 16:49	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 16:49	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 16:49	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 16:49	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 16:49	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 16:49	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 16:49	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 16:49	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 16:49	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 16:49	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 16:49	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 16:49	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 16:49	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 16:49	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 16:49	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 16:49	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 16:49	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 16:49	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 16:49	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 16:49	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 16:49	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 16:49	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 16:49	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 16:49	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 16:49	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 16:49	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 16:49	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 16:49	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 16:49	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 16:49	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 16:49	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 16:49	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 16:49	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		40 - 146		05/03/23 16:49	1
4-Bromofluorobenzene (Surr)	102		41 - 142		05/03/23 16:49	1
Dibromofluoromethane (Surr)	101		53 - 146		05/03/23 16:49	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51		0.40	0.20	mg/L			04/28/23 06:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.27	I	0.40	0.20	mg/L			04/28/23 06:05	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-26D

Lab Sample ID: 670-18661-3

Date Collected: 04/26/23 10:50

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/28/23 10:29	04/28/23 17:50	1
Sodium	27		2.2	1.1	mg/L		04/28/23 10:29	04/28/23 17:50	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:38	1
Arsenic	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:38	1
Barium	16		4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:38	1
Beryllium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:38	1
Cadmium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:38	1
Chromium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:38	1
Cobalt	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:38	1
Copper	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:38	1
Lead	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:38	1
Nickel	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:38	1
Selenium	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:38	1
Silver	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:38	1
Thallium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:38	1
Vanadium	4.3		2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:38	1
Zinc	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.40	0.20	ug/L		04/28/23 09:13	04/28/23 14:45	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 11:35	1
Total Dissolved Solids (SM 2540C)	180		5.0	5.0	mg/L			04/29/23 15:35	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.90				SU			04/26/23 10:50	1
Field Temperature	26.60				Degrees C			04/26/23 10:50	1
Specific Conductance	427				uS/cm			04/26/23 10:50	1
Oxygen, Dissolved	0.06				mg/L			04/26/23 10:50	1
Turbidity	1.80				NTU			04/26/23 10:50	1

Client Sample ID: 4MW-23

Lab Sample ID: 670-18661-4

Date Collected: 04/26/23 12:05

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 17:07	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 17:07	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 17:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 17:07	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 17:07	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 17:07	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-23

Lab Sample ID: 670-18661-4

Date Collected: 04/26/23 12:05

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 17:07	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 17:07	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 17:07	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 17:07	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 17:07	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 17:07	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 17:07	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 17:07	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 17:07	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 17:07	1
Acetone	25	U	50	25	ug/L			05/03/23 17:07	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 17:07	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 17:07	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 17:07	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 17:07	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 17:07	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 17:07	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 17:07	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 17:07	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 17:07	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 17:07	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 17:07	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 17:07	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 17:07	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 17:07	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 17:07	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 17:07	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 17:07	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 17:07	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 17:07	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 17:07	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 17:07	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 17:07	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 17:07	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 17:07	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 17:07	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 17:07	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 17:07	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 17:07	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 17:07	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 17:07	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 17:07	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 17:07	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		40 - 146		05/03/23 17:07	1
4-Bromofluorobenzene (Surr)	102		41 - 142		05/03/23 17:07	1
Dibromofluoromethane (Surr)	100		53 - 146		05/03/23 17:07	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-23
Date Collected: 04/26/23 12:05
Date Received: 04/27/23 08:00

Lab Sample ID: 670-18661-4
Matrix: Water

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52		0.40	0.20	mg/L			04/28/23 06:27	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20	U	0.40	0.20	mg/L			04/28/23 06:27	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.69		0.056	0.028	mg/L		04/28/23 10:29	04/28/23 17:53	1
Sodium	29		2.2	1.1	mg/L		04/28/23 10:29	04/28/23 17:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:41	1
Arsenic	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:41	1
Barium	11		4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:41	1
Beryllium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:41	1
Cadmium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:41	1
Chromium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:41	1
Cobalt	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:41	1
Copper	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:41	1
Lead	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:41	1
Nickel	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:41	1
Selenium	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:41	1
Silver	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:41	1
Thallium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:41	1
Vanadium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:41	1
Zinc	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.40	0.20	ug/L		04/28/23 09:13	04/28/23 14:46	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.16		0.020	0.014	mg/L			04/28/23 11:36	1
Total Dissolved Solids (SM 2540C)	200		5.0	5.0	mg/L			04/29/23 15:35	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.72				SU			04/26/23 12:05	1
Field Temperature	28.70				Degrees C			04/26/23 12:05	1
Specific Conductance	513				uS/cm			04/26/23 12:05	1
Oxygen, Dissolved	0.03				mg/L			04/26/23 12:05	1
Turbidity	1.14				NTU			04/26/23 12:05	1

Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: Equipment Blank

Lab Sample ID: 670-18661-5

Date Collected: 04/26/23 12:25

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 18:28	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 18:28	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 18:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 18:28	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 18:28	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 18:28	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 18:28	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 18:28	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 18:28	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 18:28	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 18:28	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 18:28	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 18:28	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 18:28	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 18:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 18:28	1
Acetone	25	U	50	25	ug/L			05/03/23 18:28	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 18:28	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 18:28	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 18:28	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 18:28	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 18:28	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 18:28	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 18:28	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 18:28	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 18:28	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 18:28	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 18:28	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 18:28	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 18:28	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 18:28	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 18:28	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 18:28	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 18:28	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 18:28	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 18:28	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 18:28	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 18:28	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 18:28	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 18:28	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 18:28	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 18:28	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 18:28	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 18:28	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 18:28	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 18:28	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 18:28	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 18:28	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 18:28	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: Equipment Blank

Lab Sample ID: 670-18661-5

Date Collected: 04/26/23 12:25

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		40 - 146		05/03/23 18:28	1
4-Bromofluorobenzene (Surr)	93		41 - 142		05/03/23 18:28	1
Dibromofluoromethane (Surr)	105		53 - 146		05/03/23 18:28	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15		0.40	0.20	mg/L			04/28/23 03:31	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.9		0.40	0.20	mg/L			04/28/23 03:31	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/28/23 10:29	04/28/23 17:56	1
Sodium	8.8		2.2	1.1	mg/L		04/28/23 10:29	04/28/23 17:56	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:44	1
Arsenic	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:44	1
Barium	5.6		4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:44	1
Beryllium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:44	1
Cadmium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:44	1
Chromium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:44	1
Cobalt	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:44	1
Copper	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:44	1
Lead	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:44	1
Nickel	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:44	1
Selenium	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:44	1
Silver	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:44	1
Thallium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:44	1
Vanadium	2.8		2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:44	1
Zinc	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.40	0.20	ug/L		04/28/23 09:13	04/28/23 14:47	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 11:37	1
Total Dissolved Solids (SM 2540C)	30		5.0	5.0	mg/L			04/29/23 15:35	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: Duplicate 1

Lab Sample ID: 670-18661-6

Date Collected: 04/26/23 13:05

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 18:45	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 18:45	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 18:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 18:45	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 18:45	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 18:45	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 18:45	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 18:45	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 18:45	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 18:45	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 18:45	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 18:45	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 18:45	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 18:45	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 18:45	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 18:45	1
Acetone	25	U	50	25	ug/L			05/03/23 18:45	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 18:45	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 18:45	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 18:45	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 18:45	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 18:45	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 18:45	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 18:45	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 18:45	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 18:45	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 18:45	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 18:45	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 18:45	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 18:45	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 18:45	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 18:45	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 18:45	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 18:45	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 18:45	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 18:45	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 18:45	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 18:45	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 18:45	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 18:45	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 18:45	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 18:45	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 18:45	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 18:45	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 18:45	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 18:45	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 18:45	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 18:45	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 18:45	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: Duplicate 1

Lab Sample ID: 670-18661-6

Date Collected: 04/26/23 13:05

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		40 - 146		05/03/23 18:45	1
4-Bromofluorobenzene (Surr)	99		41 - 142		05/03/23 18:45	1
Dibromofluoromethane (Surr)	101		53 - 146		05/03/23 18:45	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52		0.40	0.20	mg/L			04/28/23 06:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20	U	0.40	0.20	mg/L			04/28/23 06:48	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.60		0.056	0.028	mg/L		04/28/23 10:29	04/28/23 17:58	1
Sodium	29		2.2	1.1	mg/L		04/28/23 10:29	04/28/23 17:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:47	1
Arsenic	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:47	1
Barium	11		4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:47	1
Beryllium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:47	1
Cadmium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:47	1
Chromium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:47	1
Cobalt	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:47	1
Copper	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:47	1
Lead	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:47	1
Nickel	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:47	1
Selenium	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:47	1
Silver	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:47	1
Thallium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:47	1
Vanadium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:47	1
Zinc	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.40	0.20	ug/L		04/28/23 09:13	04/28/23 14:49	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.14		0.020	0.014	mg/L			04/28/23 11:38	1
Total Dissolved Solids (SM 2540C)	320		5.0	5.0	mg/L			04/29/23 15:35	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-11D

Lab Sample ID: 670-18661-7

Date Collected: 04/26/23 13:12

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 19:02	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 19:02	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 19:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 19:02	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 19:02	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 19:02	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 19:02	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 19:02	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 19:02	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 19:02	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 19:02	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 19:02	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 19:02	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 19:02	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 19:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 19:02	1
Acetone	25	U	50	25	ug/L			05/03/23 19:02	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 19:02	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 19:02	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 19:02	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 19:02	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 19:02	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 19:02	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 19:02	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 19:02	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 19:02	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 19:02	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 19:02	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 19:02	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 19:02	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 19:02	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 19:02	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 19:02	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 19:02	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 19:02	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 19:02	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 19:02	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 19:02	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 19:02	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 19:02	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 19:02	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 19:02	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 19:02	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 19:02	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 19:02	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 19:02	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 19:02	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 19:02	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 19:02	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-11D

Lab Sample ID: 670-18661-7

Date Collected: 04/26/23 13:12

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		40 - 146		05/03/23 19:02	1
4-Bromofluorobenzene (Surr)	99		41 - 142		05/03/23 19:02	1
Dibromofluoromethane (Surr)	101		53 - 146		05/03/23 19:02	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42		0.40	0.20	mg/L			04/28/23 07:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.84		0.40	0.20	mg/L			04/28/23 07:10	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.095		0.056	0.028	mg/L		04/28/23 10:29	04/28/23 18:01	1
Sodium	17		2.2	1.1	mg/L		04/28/23 10:29	04/28/23 18:01	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:50	1
Arsenic	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:50	1
Barium	10		4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:50	1
Beryllium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:50	1
Cadmium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:50	1
Chromium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:50	1
Cobalt	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:50	1
Copper	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:50	1
Lead	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:50	1
Nickel	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:50	1
Selenium	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:50	1
Silver	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:50	1
Thallium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 19:50	1
Vanadium	1.7	I	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 19:50	1
Zinc	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 19:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.40	0.20	ug/L		04/28/23 09:13	04/28/23 14:50	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.034		0.020	0.014	mg/L			04/28/23 11:41	1
Total Dissolved Solids (SM 2540C)	210		5.0	5.0	mg/L			04/29/23 15:35	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.38				SU			04/26/23 13:12	1
Field Temperature	27.20				Degrees C			04/26/23 13:12	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-11D

Lab Sample ID: 670-18661-7

Date Collected: 04/26/23 13:12

Matrix: Water

Date Received: 04/27/23 08:00

Method: EPA Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	514				uS/cm			04/26/23 13:12	1
Oxygen, Dissolved	1.88				mg/L			04/26/23 13:12	1
Turbidity	9.40				NTU			04/26/23 13:12	1

Client Sample ID: 2MW-18D

Lab Sample ID: 670-18661-8

Date Collected: 04/26/23 12:28

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 19:19	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 19:19	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 19:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 19:19	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 19:19	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 19:19	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 19:19	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 19:19	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 19:19	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 19:19	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 19:19	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 19:19	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 19:19	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 19:19	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 19:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 19:19	1
Acetone	25	U	50	25	ug/L			05/03/23 19:19	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 19:19	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 19:19	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 19:19	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 19:19	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 19:19	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 19:19	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 19:19	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 19:19	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 19:19	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 19:19	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 19:19	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 19:19	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 19:19	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 19:19	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 19:19	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 19:19	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 19:19	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 19:19	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 19:19	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 19:19	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 19:19	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 19:19	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 19:19	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-18D

Lab Sample ID: 670-18661-8

Date Collected: 04/26/23 12:28

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 19:19	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 19:19	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 19:19	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 19:19	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 19:19	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 19:19	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 19:19	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 19:19	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 19:19	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		40 - 146		05/03/23 19:19	1
4-Bromofluorobenzene (Surr)	96		41 - 142		05/03/23 19:19	1
Dibromofluoromethane (Surr)	100		53 - 146		05/03/23 19:19	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40		0.40	0.20	mg/L			04/28/23 07:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.83		0.40	0.20	mg/L			04/28/23 07:32	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/28/23 10:29	04/28/23 18:11	1
Sodium	12		2.2	1.1	mg/L		04/28/23 10:29	04/28/23 18:11	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:04	1
Arsenic	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:04	1
Barium	11		4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:04	1
Beryllium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 20:04	1
Cadmium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:04	1
Chromium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:04	1
Cobalt	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:04	1
Copper	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:04	1
Lead	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:04	1
Nickel	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:04	1
Selenium	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:04	1
Silver	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 20:04	1
Thallium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 20:04	1
Vanadium	2.5		2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:04	1
Zinc	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.40	0.20	ug/L		04/28/23 09:13	04/28/23 14:51	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-18D

Lab Sample ID: 670-18661-8

Date Collected: 04/26/23 12:28

Matrix: Water

Date Received: 04/27/23 08:00

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 11:45	1
Total Dissolved Solids (SM 2540C)	190		5.0	5.0	mg/L			04/29/23 15:35	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.27				SU			04/26/23 12:28	1
Field Temperature	26.20				Degrees C			04/26/23 12:28	1
Specific Conductance	502				uS/cm			04/26/23 12:28	1
Oxygen, Dissolved	1.68				mg/L			04/26/23 12:28	1
Turbidity	2.50				NTU			04/26/23 12:28	1

Client Sample ID: 4MW-3A

Lab Sample ID: 670-18661-9

Date Collected: 04/26/23 11:35

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 19:36	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 19:36	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 19:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 19:36	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 19:36	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 19:36	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 19:36	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 19:36	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 19:36	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 19:36	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 19:36	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 19:36	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 19:36	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 19:36	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 19:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 19:36	1
Acetone	25	U	50	25	ug/L			05/03/23 19:36	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 19:36	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 19:36	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 19:36	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 19:36	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 19:36	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 19:36	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 19:36	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 19:36	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 19:36	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 19:36	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 19:36	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 19:36	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 19:36	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 19:36	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 19:36	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-3A

Lab Sample ID: 670-18661-9

Date Collected: 04/26/23 11:35

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 19:36	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 19:36	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 19:36	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 19:36	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 19:36	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 19:36	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 19:36	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 19:36	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 19:36	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 19:36	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 19:36	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 19:36	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 19:36	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 19:36	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 19:36	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 19:36	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 19:36	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		40 - 146		05/03/23 19:36	1
4-Bromofluorobenzene (Surr)	97		41 - 142		05/03/23 19:36	1
Dibromofluoromethane (Surr)	102		53 - 146		05/03/23 19:36	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19		0.40	0.20	mg/L			04/28/23 14:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20	U	0.40	0.20	mg/L			04/27/23 15:09	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.21		0.056	0.028	mg/L		04/28/23 10:29	04/28/23 18:14	1
Sodium	9.1		2.2	1.1	mg/L		04/28/23 10:29	04/28/23 18:14	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:07	1
Arsenic	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:07	1
Barium	9.5		4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:07	1
Beryllium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 20:07	1
Cadmium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:07	1
Chromium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:07	1
Cobalt	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:07	1
Copper	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:07	1
Lead	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:07	1
Nickel	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:07	1
Selenium	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:07	1
Silver	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 20:07	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-3A

Lab Sample ID: 670-18661-9

Date Collected: 04/26/23 11:35

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 20:07	1
Vanadium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:07	1
Zinc	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.40	0.20	ug/L		04/28/23 09:13	04/28/23 14:53	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.16		0.020	0.014	mg/L			04/28/23 11:46	1
Total Dissolved Solids (SM 2540C)	110		5.0	5.0	mg/L			04/29/23 15:35	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.37				SU			04/26/23 11:35	1
Field Temperature	24.00				Degrees C			04/26/23 11:35	1
Specific Conductance	422				uS/cm			04/26/23 11:35	1
Oxygen, Dissolved	2.16				mg/L			04/26/23 11:35	1
Turbidity	1.86				NTU			04/26/23 11:35	1

Client Sample ID: 4MW-5

Lab Sample ID: 670-18661-10

Date Collected: 04/26/23 11:13

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 19:53	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 19:53	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 19:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 19:53	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 19:53	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 19:53	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 19:53	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 19:53	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 19:53	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 19:53	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 19:53	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 19:53	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 19:53	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 19:53	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 19:53	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 19:53	1
Acetone	25	U	50	25	ug/L			05/03/23 19:53	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 19:53	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 19:53	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 19:53	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 19:53	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 19:53	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 19:53	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-5

Lab Sample ID: 670-18661-10

Date Collected: 04/26/23 11:13

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 19:53	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 19:53	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 19:53	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 19:53	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 19:53	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 19:53	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 19:53	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 19:53	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 19:53	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 19:53	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 19:53	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 19:53	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 19:53	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 19:53	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 19:53	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 19:53	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 19:53	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 19:53	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 19:53	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 19:53	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 19:53	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 19:53	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 19:53	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 19:53	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 19:53	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 19:53	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		40 - 146		05/03/23 19:53	1
4-Bromofluorobenzene (Surr)	98		41 - 142		05/03/23 19:53	1
Dibromofluoromethane (Surr)	102		53 - 146		05/03/23 19:53	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57		0.40	0.20	mg/L			04/28/23 15:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.70		0.40	0.20	mg/L			04/27/23 15:26	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/28/23 10:29	04/28/23 18:16	1
Sodium	25		2.2	1.1	mg/L		04/28/23 10:29	04/28/23 18:16	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:10	1
Arsenic	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:10	1
Barium	11		4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:10	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-5

Lab Sample ID: 670-18661-10

Date Collected: 04/26/23 11:13

Matrix: Water

Date Received: 04/27/23 08:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 20:10	1
Cadmium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:10	1
Chromium	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:10	1
Cobalt	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:10	1
Copper	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:10	1
Lead	1.1	U	2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:10	1
Nickel	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:10	1
Selenium	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:10	1
Silver	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 20:10	1
Thallium	0.56	U	1.1	0.56	ug/L		04/28/23 10:30	04/28/23 20:10	1
Vanadium	2.3		2.2	1.1	ug/L		04/28/23 10:30	04/28/23 20:10	1
Zinc	2.2	U	4.4	2.2	ug/L		04/28/23 10:30	04/28/23 20:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.40	0.20	ug/L		04/28/23 09:13	04/28/23 14:54	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 11:46	1
Total Dissolved Solids (SM 2540C)	280		5.0	5.0	mg/L			04/29/23 15:35	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.28				SU			04/26/23 11:13	1
Field Temperature	24.20				Degrees C			04/26/23 11:13	1
Specific Conductance	597				uS/cm			04/26/23 11:13	1
Oxygen, Dissolved	3.96				mg/L			04/26/23 11:13	1
Turbidity	0.52				NTU			04/26/23 11:13	1

Client Sample ID: 2MW-2

Lab Sample ID: 670-18752-1

Date Collected: 04/27/23 08:35

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 20:02	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 20:02	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 20:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 20:02	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 20:02	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 20:02	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 20:02	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 20:02	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 20:02	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 20:02	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 20:02	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 20:02	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 20:02	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 20:02	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-2

Lab Sample ID: 670-18752-1

Date Collected: 04/27/23 08:35

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 20:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 20:02	1
Acetone	25	U	50	25	ug/L			05/03/23 20:02	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 20:02	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 20:02	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 20:02	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 20:02	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 20:02	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 20:02	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 20:02	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 20:02	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 20:02	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 20:02	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 20:02	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 20:02	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 20:02	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 20:02	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 20:02	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 20:02	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 20:02	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 20:02	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 20:02	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 20:02	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 20:02	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 20:02	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 20:02	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 20:02	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 20:02	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 20:02	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 20:02	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 20:02	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 20:02	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 20:02	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 20:02	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 20:02	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		40 - 146		05/03/23 20:02	1
4-Bromofluorobenzene (Surr)	101		41 - 142		05/03/23 20:02	1
Dibromofluoromethane (Surr)	100		53 - 146		05/03/23 20:02	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.9		0.40	0.20	mg/L			04/28/23 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.1		0.40	0.20	mg/L			04/28/23 18:05	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-2
Date Collected: 04/27/23 08:35
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-1
Matrix: Water

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/29/23 09:30	05/01/23 14:49	1
Sodium	2.2		2.2	1.1	mg/L		04/29/23 09:30	05/01/23 14:49	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:22	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:22	1
Barium	0.021		0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:22	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:22	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:22	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:22	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:22	1
Copper	0.0018	I	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:22	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:22	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:22	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:22	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:22	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:22	1
Vanadium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:22	1
Zinc	0.0022	I	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		05/02/23 08:34	05/03/23 09:19	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 16:48	1
Total Dissolved Solids (SM 2540C)	14		5.0	5.0	mg/L			04/29/23 15:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.91				SU			04/27/23 08:35	1
Field Temperature	23.40				Celsius			04/27/23 08:35	1
Specific Conductance	63				uS/cm			04/27/23 08:35	1
Oxygen, Dissolved	6.28				mg/L			04/27/23 08:35	1
Turbidity	1.39				NTU			04/27/23 08:35	1
Depth to Water (ft from MP)	24.50				ft			04/27/23 08:35	1

Client Sample ID: 2MW-19D

Lab Sample ID: 670-18752-2

Date Collected: 04/27/23 10:16
Date Received: 04/28/23 08:00

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U J3	1.0	0.61	ug/L			05/03/23 20:37	1
1,1,1-Trichloroethane	0.80	U J3	1.0	0.80	ug/L			05/03/23 20:37	1
1,1,2,2-Tetrachloroethane	0.54	U J3	1.0	0.54	ug/L			05/03/23 20:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U J3	2.0	0.73	ug/L			05/03/23 20:37	1
1,1,2-Trichloroethane	0.76	U J3	2.0	0.76	ug/L			05/03/23 20:37	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-19D

Lab Sample ID: 670-18752-2

Date Collected: 04/27/23 10:16

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.62	U J3	1.0	0.62	ug/L			05/03/23 20:37	1
1,1-Dichloroethene	0.94	U J3	1.0	0.94	ug/L			05/03/23 20:37	1
1,2,3-Trichloropropane	0.64	U J3	2.0	0.64	ug/L			05/03/23 20:37	1
1,2-Dibromo-3-Chloropropane	0.96	U J3	10	0.96	ug/L			05/03/23 20:37	1
1,2-Dichlorobenzene	0.73	U J3	1.0	0.73	ug/L			05/03/23 20:37	1
1,2-Dichloroethane	0.63	U J3	1.0	0.63	ug/L			05/03/23 20:37	1
1,2-Dichloropropane	0.80	U J3	1.0	0.80	ug/L			05/03/23 20:37	1
1,4-Dichlorobenzene	0.76	U J3	1.0	0.76	ug/L			05/03/23 20:37	1
2-Butanone (MEK)	4.5	U J3	10	4.5	ug/L			05/03/23 20:37	1
2-Hexanone	2.5	U J3	20	2.5	ug/L			05/03/23 20:37	1
4-Methyl-2-pentanone (MIBK)	5.0	U J3	20	5.0	ug/L			05/03/23 20:37	1
Acetone	25	U J3	50	25	ug/L			05/03/23 20:37	1
Acrylonitrile	5.0	U J3	10	5.0	ug/L			05/03/23 20:37	1
Benzene	0.71	U J3	1.0	0.71	ug/L			05/03/23 20:37	1
Bromoform	0.75	U J3	1.0	0.75	ug/L			05/03/23 20:37	1
Bromomethane	0.95	U J3	2.0	0.95	ug/L			05/03/23 20:37	1
Carbon disulfide	2.5	U J3	5.0	2.5	ug/L			05/03/23 20:37	1
Carbon tetrachloride	0.94	U J3	1.0	0.94	ug/L			05/03/23 20:37	1
Chlorobenzene	0.72	U J3	1.0	0.72	ug/L			05/03/23 20:37	1
Chlorobromomethane	0.94	U J3	2.0	0.94	ug/L			05/03/23 20:37	1
Chlorodibromomethane	0.50	U J3	1.0	0.50	ug/L			05/03/23 20:37	1
Chloroethane	0.98	U J3	2.0	0.98	ug/L			05/03/23 20:37	1
Chloroform	0.80	U J3	5.0	0.80	ug/L			05/03/23 20:37	1
Chloromethane	0.82	U J3	2.0	0.82	ug/L			05/03/23 20:37	1
cis-1,2-Dichloroethene	0.53	U J3	1.0	0.53	ug/L			05/03/23 20:37	1
cis-1,3-Dichloropropene	0.59	U J3	1.0	0.59	ug/L			05/03/23 20:37	1
Dibromomethane	0.84	U J3	1.0	0.84	ug/L			05/03/23 20:37	1
Dichlorobromomethane	0.52	U J3	1.0	0.52	ug/L			05/03/23 20:37	1
Ethylbenzene	0.69	U J3	1.0	0.69	ug/L			05/03/23 20:37	1
Ethylene Dibromide	0.78	U J3	12	0.78	ug/L			05/03/23 20:37	1
Iodomethane	2.5	U J3	10	2.5	ug/L			05/03/23 20:37	1
m,p-Xylenes	1.3	U J3	2.0	1.3	ug/L			05/03/23 20:37	1
Methylene Chloride	5.0	U J3	10	5.0	ug/L			05/03/23 20:37	1
o-Xylene	0.53	U J3	1.0	0.53	ug/L			05/03/23 20:37	1
Styrene	0.61	U J3	1.0	0.61	ug/L			05/03/23 20:37	1
Tetrachloroethene	0.76	U J3	1.0	0.76	ug/L			05/03/23 20:37	1
Toluene	0.72	U J3	1.0	0.72	ug/L			05/03/23 20:37	1
trans-1,2-Dichloroethene	0.73	U J3	1.0	0.73	ug/L			05/03/23 20:37	1
trans-1,3-Dichloropropene	0.73	U J3	1.0	0.73	ug/L			05/03/23 20:37	1
trans-1,4-Dichloro-2-butene	0.79	U J3	2.0	0.79	ug/L			05/03/23 20:37	1
Trichloroethene	0.89	U J3	1.0	0.89	ug/L			05/03/23 20:37	1
Trichlorofluoromethane	0.94	U J3	1.0	0.94	ug/L			05/03/23 20:37	1
Vinyl acetate	2.5	U J3	20	2.5	ug/L			05/03/23 20:37	1
Vinyl chloride	0.71	U J3	1.0	0.71	ug/L			05/03/23 20:37	1
Xylenes, Total	1.3	U J3	2.0	1.3	ug/L			05/03/23 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		40 - 146		05/03/23 20:37	1
4-Bromofluorobenzene (Surr)	101		41 - 142		05/03/23 20:37	1
Dibromofluoromethane (Surr)	99		53 - 146		05/03/23 20:37	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-19D

Lab Sample ID: 670-18752-2

Date Collected: 04/27/23 10:16

Matrix: Water

Date Received: 04/28/23 08:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24		0.40	0.20	mg/L			04/28/23 19:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.38	I	0.40	0.20	mg/L			04/28/23 19:10	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/29/23 09:30	05/01/23 14:51	1
Sodium	7.8		2.2	1.1	mg/L		04/29/23 09:30	05/01/23 14:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:25	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:25	1
Barium	0.0084		0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:25	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:25	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:25	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:25	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:25	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:25	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:25	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:25	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:25	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:25	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:25	1
Vanadium	0.0018	I	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:25	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		05/02/23 08:34	05/03/23 09:20	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 16:49	1
Total Dissolved Solids (SM 2540C)	180		5.0	5.0	mg/L			04/29/23 15:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.26				SU			04/27/23 10:16	1
Field Temperature	26.40				Celsius			04/27/23 10:16	1
Specific Conductance	488				uS/cm			04/27/23 10:16	1
Oxygen, Dissolved	0.16				mg/L			04/27/23 10:16	1
Turbidity	0.02				NTU			04/27/23 10:16	1
Depth to Water (ft from MP)	27.15				ft			04/27/23 10:16	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-22

Lab Sample ID: 670-18752-3

Date Collected: 04/27/23 11:40

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 21:30	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 21:30	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 21:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 21:30	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 21:30	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 21:30	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 21:30	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 21:30	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 21:30	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 21:30	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 21:30	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 21:30	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 21:30	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 21:30	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 21:30	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 21:30	1
Acetone	25	U	50	25	ug/L			05/03/23 21:30	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 21:30	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 21:30	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 21:30	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 21:30	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 21:30	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 21:30	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 21:30	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 21:30	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 21:30	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 21:30	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 21:30	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 21:30	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 21:30	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 21:30	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 21:30	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 21:30	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 21:30	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 21:30	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 21:30	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 21:30	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 21:30	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 21:30	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 21:30	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 21:30	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 21:30	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 21:30	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 21:30	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 21:30	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 21:30	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 21:30	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 21:30	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 21:30	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-22

Lab Sample ID: 670-18752-3

Date Collected: 04/27/23 11:40

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		40 - 146		05/03/23 21:30	1
4-Bromofluorobenzene (Surr)	103		41 - 142		05/03/23 21:30	1
Dibromofluoromethane (Surr)	100		53 - 146		05/03/23 21:30	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17		0.40	0.20	mg/L			04/28/23 19:31	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20	U	0.40	0.20	mg/L			04/28/23 19:31	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.071		0.056	0.028	mg/L		04/29/23 09:30	05/01/23 14:54	1
Sodium	7.1		2.2	1.1	mg/L		04/29/23 09:30	05/01/23 14:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:28	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:28	1
Barium	0.010		0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:28	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:28	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:28	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:28	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:28	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:28	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:28	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:28	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:28	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:28	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:28	1
Vanadium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:28	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		05/02/23 08:34	05/03/23 09:21	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.084		0.020	0.014	mg/L			04/28/23 16:50	1
Total Dissolved Solids (SM 2540C)	140		5.0	5.0	mg/L			04/29/23 15:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.26				SU			04/27/23 11:40	1
Field Temperature	26.10				Celsius			04/27/23 11:40	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-22

Lab Sample ID: 670-18752-3

Date Collected: 04/27/23 11:40

Matrix: Water

Date Received: 04/28/23 08:00

Method: EPA Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	444				uS/cm			04/27/23 11:40	1
Oxygen, Dissolved	0.08				mg/L			04/27/23 11:40	1
Turbidity	0.02				NTU			04/27/23 11:40	1
Depth to Water (ft from MP)	27.35				ft			04/27/23 11:40	1

Client Sample ID: 4MW-21

Lab Sample ID: 670-18752-4

Date Collected: 04/27/23 12:35

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 21:47	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 21:47	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 21:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 21:47	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 21:47	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 21:47	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 21:47	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 21:47	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 21:47	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 21:47	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 21:47	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 21:47	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 21:47	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 21:47	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 21:47	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 21:47	1
Acetone	25	U	50	25	ug/L			05/03/23 21:47	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 21:47	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 21:47	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 21:47	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 21:47	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 21:47	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 21:47	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 21:47	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 21:47	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 21:47	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 21:47	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 21:47	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 21:47	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 21:47	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 21:47	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 21:47	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 21:47	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 21:47	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 21:47	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 21:47	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 21:47	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 21:47	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 21:47	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-21

Lab Sample ID: 670-18752-4

Date Collected: 04/27/23 12:35

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 21:47	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 21:47	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 21:47	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 21:47	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 21:47	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 21:47	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 21:47	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 21:47	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 21:47	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 21:47	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 21:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		40 - 146		05/03/23 21:47	1
4-Bromofluorobenzene (Surr)	101		41 - 142		05/03/23 21:47	1
Dibromofluoromethane (Surr)	100		53 - 146		05/03/23 21:47	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.3		0.40	0.20	mg/L			04/28/23 19:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	7.4		0.40	0.20	mg/L			04/28/23 19:53	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/29/23 09:30	05/01/23 14:46	1
Sodium	5.6		2.2	1.1	mg/L		04/29/23 09:30	05/01/23 14:46	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:16	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:16	1
Barium	0.0093		0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:16	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:16	1
Cadmium	0.0011	I	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:16	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:16	1
Cobalt	0.0012	I	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:16	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:16	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:16	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:16	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:16	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:16	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:16	1
Vanadium	0.0017	I	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:16	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		05/02/23 08:34	05/03/23 09:17	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-21

Lab Sample ID: 670-18752-4

Date Collected: 04/27/23 12:35

Matrix: Water

Date Received: 04/28/23 08:00

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 16:50	1
Total Dissolved Solids (SM 2540C)	5.0	U	5.0	5.0	mg/L			04/29/23 15:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.28				SU			04/27/23 12:35	1
Field Temperature	26.90				Celsius			04/27/23 12:35	1
Specific Conductance	150				uS/cm			04/27/23 12:35	1
Oxygen, Dissolved	3.10				mg/L			04/27/23 12:35	1
Turbidity	0.46				NTU			04/27/23 12:35	1
Depth to Water (ft from MP)	23.90				ft			04/27/23 12:35	1

Client Sample ID: 4MW-14D

Lab Sample ID: 670-18752-5

Date Collected: 04/27/23 13:40

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 22:05	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 22:05	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 22:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 22:05	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 22:05	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 22:05	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 22:05	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 22:05	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 22:05	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 22:05	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 22:05	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 22:05	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 22:05	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 22:05	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 22:05	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 22:05	1
Acetone	25	U	50	25	ug/L			05/03/23 22:05	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 22:05	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 22:05	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 22:05	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 22:05	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 22:05	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 22:05	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 22:05	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 22:05	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 22:05	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 22:05	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 22:05	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 22:05	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 22:05	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 22:05	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-14D

Lab Sample ID: 670-18752-5

Date Collected: 04/27/23 13:40

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 22:05	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 22:05	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 22:05	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 22:05	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 22:05	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 22:05	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 22:05	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 22:05	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 22:05	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 22:05	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 22:05	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 22:05	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 22:05	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 22:05	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 22:05	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 22:05	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 22:05	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 22:05	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		40 - 146		05/03/23 22:05	1
4-Bromofluorobenzene (Surr)	102		41 - 142		05/03/23 22:05	1
Dibromofluoromethane (Surr)	100		53 - 146		05/03/23 22:05	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48		0.40	0.20	mg/L			04/28/23 20:15	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.70		0.40	0.20	mg/L			04/28/23 20:15	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/29/23 09:30	05/01/23 14:57	1
Sodium	12		2.2	1.1	mg/L		04/29/23 09:30	05/01/23 14:57	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:30	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:30	1
Barium	0.012		0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:30	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:30	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:30	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:30	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:30	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:30	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:30	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:30	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:30	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-14D

Lab Sample ID: 670-18752-5

Date Collected: 04/27/23 13:40

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:30	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:30	1
Vanadium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:30	1
Zinc	0.018		0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		05/02/23 08:34	05/03/23 09:23	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 16:51	1
Total Dissolved Solids (SM 2540C)	200		5.0	5.0	mg/L			04/29/23 15:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.45				SU			04/27/23 13:40	1
Field Temperature	29.00				Celsius			04/27/23 13:40	1
Specific Conductance	465				uS/cm			04/27/23 13:40	1
Oxygen, Dissolved	0.54				mg/L			04/27/23 13:40	1
Turbidity	0.02				NTU			04/27/23 13:40	1
Depth to Water (ft from MP)	24.60				ft			04/27/23 13:40	1

Client Sample ID: 4MW-2

Lab Sample ID: 670-18752-6

Date Collected: 04/27/23 09:19

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 22:22	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 22:22	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 22:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 22:22	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 22:22	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 22:22	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 22:22	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 22:22	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 22:22	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 22:22	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 22:22	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 22:22	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 22:22	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 22:22	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 22:22	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 22:22	1
Acetone	25	U	50	25	ug/L			05/03/23 22:22	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 22:22	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 22:22	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 22:22	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 22:22	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-2

Lab Sample ID: 670-18752-6

Date Collected: 04/27/23 09:19

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 22:22	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 22:22	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 22:22	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 22:22	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 22:22	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 22:22	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 22:22	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 22:22	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 22:22	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 22:22	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 22:22	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 22:22	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 22:22	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 22:22	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 22:22	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 22:22	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 22:22	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 22:22	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 22:22	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 22:22	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 22:22	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 22:22	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 22:22	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 22:22	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 22:22	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 22:22	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 22:22	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 22:22	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		40 - 146		05/03/23 22:22	1
4-Bromofluorobenzene (Surr)	104		41 - 142		05/03/23 22:22	1
Dibromofluoromethane (Surr)	100		53 - 146		05/03/23 22:22	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.2		0.40	0.20	mg/L			04/28/23 20:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.51		0.40	0.20	mg/L			04/28/23 20:36	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/29/23 09:30	05/01/23 14:59	1
Sodium	2.9		2.2	1.1	mg/L		04/29/23 09:30	05/01/23 14:59	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:36	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-2
Date Collected: 04/27/23 09:19
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-6
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:36	1
Barium	0.0064		0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:36	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:36	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:36	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:36	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:36	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:36	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:36	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:36	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:36	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:36	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:36	1
Vanadium	0.0051		0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:36	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		05/02/23 08:34	05/03/23 09:24	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 16:52	1
Total Dissolved Solids (SM 2540C)	28		5.0	5.0	mg/L			04/29/23 15:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.51				SU			04/27/23 09:19	1
Field Temperature	23.40				Celsius			04/27/23 09:19	1
Specific Conductance	214.80				uS/cm			04/27/23 09:19	1
Oxygen, Dissolved	2.03				mg/L			04/27/23 09:19	1
Turbidity	0.57				NTU			04/27/23 09:19	1
Depth to Water (ft from MP)	24.92				ft			04/27/23 09:19	1

Client Sample ID: 4MW-9
Date Collected: 04/27/23 10:19
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 22:40	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 22:40	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 22:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 22:40	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 22:40	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 22:40	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 22:40	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 22:40	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 22:40	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 22:40	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 22:40	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-9

Lab Sample ID: 670-18752-7

Date Collected: 04/27/23 10:19

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 22:40	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 22:40	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 22:40	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 22:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 22:40	1
Acetone	25	U	50	25	ug/L			05/03/23 22:40	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 22:40	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 22:40	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 22:40	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 22:40	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 22:40	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 22:40	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 22:40	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 22:40	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 22:40	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 22:40	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 22:40	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 22:40	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 22:40	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 22:40	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 22:40	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 22:40	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 22:40	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 22:40	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 22:40	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 22:40	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 22:40	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 22:40	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 22:40	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 22:40	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 22:40	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 22:40	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 22:40	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 22:40	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 22:40	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 22:40	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 22:40	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 22:40	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		40 - 146		05/03/23 22:40	1
4-Bromofluorobenzene (Surr)	102		41 - 142		05/03/23 22:40	1
Dibromofluoromethane (Surr)	101		53 - 146		05/03/23 22:40	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32		0.40	0.20	mg/L			04/28/23 20:58	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-9
Date Collected: 04/27/23 10:19
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-7
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.36	I	0.40	0.20	mg/L			04/28/23 20:58	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/29/23 09:30	05/01/23 15:02	1
Sodium	13		2.2	1.1	mg/L		04/29/23 09:30	05/01/23 15:02	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:39	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:39	1
Barium	0.0097		0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:39	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:39	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:39	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:39	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:39	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:39	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:39	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:39	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:39	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:39	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:39	1
Vanadium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:39	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		05/02/23 08:34	05/03/23 09:25	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 16:55	1
Total Dissolved Solids (SM 2540C)	140		5.0	5.0	mg/L			04/29/23 15:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.20				SU			04/27/23 10:19	1
Field Temperature	24.90				Celsius			04/27/23 10:19	1
Specific Conductance	467				uS/cm			04/27/23 10:19	1
Oxygen, Dissolved	1.39				mg/L			04/27/23 10:19	1
Turbidity	0.93				NTU			04/27/23 10:19	1
Depth to Water (ft from MP)	26.60				ft			04/27/23 10:19	1

Client Sample ID: 4MW-8
Date Collected: 04/27/23 11:28
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 22:57	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-8

Lab Sample ID: 670-18752-8

Date Collected: 04/27/23 11:28

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 22:57	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 22:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 22:57	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 22:57	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 22:57	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 22:57	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 22:57	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 22:57	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 22:57	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 22:57	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 22:57	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 22:57	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 22:57	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 22:57	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 22:57	1
Acetone	25	U	50	25	ug/L			05/03/23 22:57	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 22:57	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 22:57	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 22:57	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 22:57	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 22:57	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 22:57	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 22:57	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 22:57	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 22:57	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 22:57	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 22:57	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 22:57	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 22:57	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 22:57	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 22:57	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 22:57	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 22:57	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 22:57	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 22:57	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 22:57	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 22:57	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 22:57	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 22:57	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 22:57	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 22:57	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 22:57	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 22:57	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 22:57	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 22:57	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 22:57	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 22:57	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 22:57	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 22:57	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-8
Date Collected: 04/27/23 11:28
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		40 - 146		05/03/23 22:57	1
4-Bromofluorobenzene (Surr)	101		41 - 142		05/03/23 22:57	1
Dibromofluoromethane (Surr)	100		53 - 146		05/03/23 22:57	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12		0.40	0.20	mg/L			04/28/23 21:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20	U	0.40	0.20	mg/L			04/28/23 21:19	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/29/23 09:30	05/01/23 15:04	1
Sodium	4.8		2.2	1.1	mg/L		04/29/23 09:30	05/01/23 15:04	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:42	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:42	1
Barium	0.0081		0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:42	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:42	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:42	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:42	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:42	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:42	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:42	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:42	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:42	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:42	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:42	1
Vanadium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:42	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		05/02/23 08:34	05/03/23 09:27	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 16:56	1
Total Dissolved Solids (SM 2540C)	120		5.0	5.0	mg/L			04/29/23 15:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.28				SU			04/27/23 11:28	1
Field Temperature	23.70				Celsius			04/27/23 11:28	1
Specific Conductance	412				uS/cm			04/27/23 11:28	1
Oxygen, Dissolved	0.48				mg/L			04/27/23 11:28	1
Turbidity	0.83				NTU			04/27/23 11:28	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-8

Lab Sample ID: 670-18752-8

Date Collected: 04/27/23 11:28

Matrix: Water

Date Received: 04/28/23 08:00

Method: EPA Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	24.40				ft			04/27/23 11:28	1

Client Sample ID: 4MW-7

Lab Sample ID: 670-18752-9

Date Collected: 04/27/23 12:28

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 23:15	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 23:15	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 23:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 23:15	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 23:15	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 23:15	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 23:15	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 23:15	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 23:15	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 23:15	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 23:15	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 23:15	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 23:15	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 23:15	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 23:15	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 23:15	1
Acetone	25	U	50	25	ug/L			05/03/23 23:15	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 23:15	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 23:15	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 23:15	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 23:15	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 23:15	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 23:15	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 23:15	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 23:15	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 23:15	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 23:15	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 23:15	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 23:15	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 23:15	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 23:15	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 23:15	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 23:15	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 23:15	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 23:15	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 23:15	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 23:15	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 23:15	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 23:15	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 23:15	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 23:15	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 23:15	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-7

Lab Sample ID: 670-18752-9

Date Collected: 04/27/23 12:28

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 23:15	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 23:15	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 23:15	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 23:15	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 23:15	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 23:15	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 23:15	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		40 - 146		05/03/23 23:15	1
4-Bromofluorobenzene (Surr)	104		41 - 142		05/03/23 23:15	1
Dibromofluoromethane (Surr)	101		53 - 146		05/03/23 23:15	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		0.40	0.20	mg/L			04/28/23 21:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.89		0.40	0.20	mg/L			04/28/23 21:41	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.25		0.056	0.028	mg/L		04/29/23 09:30	05/01/23 15:07	1
Sodium	4.8		2.2	1.1	mg/L		04/29/23 09:30	05/01/23 15:07	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:44	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:44	1
Barium	0.0099		0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:44	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:44	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:44	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:44	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:44	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:44	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:44	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:44	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:44	1
Silver	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:44	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:44	1
Vanadium	0.0014	I	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:44	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		05/02/23 08:34	05/03/23 09:28	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-7

Lab Sample ID: 670-18752-9

Date Collected: 04/27/23 12:28

Matrix: Water

Date Received: 04/28/23 08:00

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	I	0.020	0.014	mg/L			04/28/23 16:57	1
Total Dissolved Solids (SM 2540C)	48		5.0	5.0	mg/L			04/29/23 15:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.47				SU			04/27/23 12:28	1
Field Temperature	27.20				Celsius			04/27/23 12:28	1
Specific Conductance	358				uS/cm			04/27/23 12:28	1
Oxygen, Dissolved	1.68				mg/L			04/27/23 12:28	1
Turbidity	7.38				NTU			04/27/23 12:28	1
Depth to Water (ft from MP)	25.10				ft			04/27/23 12:28	1

Client Sample ID: 4MW-12D

Lab Sample ID: 670-18752-10

Date Collected: 04/27/23 13:05

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 23:32	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 23:32	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 23:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 23:32	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 23:32	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 23:32	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 23:32	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 23:32	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 23:32	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 23:32	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 23:32	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 23:32	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 23:32	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 23:32	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 23:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 23:32	1
Acetone	25	U	50	25	ug/L			05/03/23 23:32	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 23:32	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 23:32	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 23:32	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 23:32	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 23:32	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 23:32	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 23:32	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 23:32	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 23:32	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 23:32	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 23:32	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 23:32	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 23:32	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 23:32	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-12D

Lab Sample ID: 670-18752-10

Date Collected: 04/27/23 13:05

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 23:32	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 23:32	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 23:32	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 23:32	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 23:32	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 23:32	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 23:32	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 23:32	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 23:32	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 23:32	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 23:32	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 23:32	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 23:32	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 23:32	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 23:32	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 23:32	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 23:32	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 23:32	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		40 - 146		05/03/23 23:32	1
4-Bromofluorobenzene (Surr)	101		41 - 142		05/03/23 23:32	1
Dibromofluoromethane (Surr)	103		53 - 146		05/03/23 23:32	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29		0.40	0.20	mg/L			04/28/23 22:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.83		0.40	0.20	mg/L			04/28/23 22:02	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		04/29/23 09:30	05/01/23 15:10	1
Sodium	7.6		2.2	1.1	mg/L		04/29/23 09:30	05/01/23 15:10	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:47	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:47	1
Barium	0.0079		0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:47	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:47	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:47	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:47	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:47	1
Copper	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:47	1
Lead	0.0011	U	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:47	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:47	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:47	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-12D

Lab Sample ID: 670-18752-10

Date Collected: 04/27/23 13:05

Matrix: Water

Date Received: 04/28/23 08:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:47	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		04/29/23 09:32	05/01/23 14:47	1
Vanadium	0.0011	I	0.0022	0.0011	mg/L		04/29/23 09:32	05/01/23 14:47	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		04/29/23 09:32	05/01/23 14:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		05/02/23 08:34	05/03/23 09:30	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			04/28/23 16:58	1
Total Dissolved Solids (SM 2540C)	150		5.0	5.0	mg/L			04/29/23 15:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.35				SU			04/27/23 13:05	1
Field Temperature	26.40				Celsius			04/27/23 13:05	1
Specific Conductance	452				uS/cm			04/27/23 13:05	1
Oxygen, Dissolved	2.15				mg/L			04/27/23 13:05	1
Turbidity	1.01				NTU			04/27/23 13:05	1
Depth to Water (ft from MP)	28.10				ft			04/27/23 13:05	1

Surrogate Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (41-142)	DBFM (53-146)	TOL (40-146)
670-18597-1	4MW-6	99	111	108
670-18597-1 DU	4MW-6	105	111	111
670-18597-2	4MW-4	99	112	110
670-18597-2 MS	4MW-4	97	107	109
670-18597-3	2MW-27D	103	112	110
670-18597-4	4MW-27	100	112	113
670-18597-5	4MW-27D	98	114	113
670-18597-6	2MW-15DA	100	113	111
670-18597-7	2MW-24S	101	115	114
670-18626-F-4 MS	Matrix Spike	101	102	103
670-18661-1	2MW-24D	101	101	102
670-18661-2	2MW-25D	102	101	101
670-18661-3	2MW-26D	102	101	101
670-18661-4	4MW-23	102	100	101
670-18661-5	Equipment Blank	93	105	102
670-18661-6	Duplicate 1	99	101	104
670-18661-7	4MW-11D	99	101	103
670-18661-8	2MW-18D	96	100	103
670-18661-9	4MW-3A	97	102	104
670-18661-10	4MW-5	98	102	102
670-18752-1	2MW-2	101	100	102
670-18752-1 DU	2MW-2	101	100	101
670-18752-2	2MW-19D	101	99	102
670-18752-2 MS	2MW-19D	101	100	102
670-18752-3	4MW-22	103	100	101
670-18752-4	4MW-21	101	100	101
670-18752-5	4MW-14D	102	100	101
670-18752-6	4MW-2	104	100	101
670-18752-7	4MW-9	102	101	101
670-18752-8	4MW-8	101	100	101
670-18752-9	4MW-7	104	101	102
670-18752-10	4MW-12D	101	103	102
670-18759-A-21 DU	Duplicate	94	101	100
670-18759-C-22 MS	Matrix Spike	97	101	104
670-18928-D-1 DU - DL	Duplicate	102	101	101
LCS 670-32955/4	Lab Control Sample	98	107	109
LCS 670-32961/4	Lab Control Sample	99	99	101
LCS 670-32975/5	Lab Control Sample	95	102	101
LCS 670-33078/4	Lab Control Sample	105	103	103
MB 670-32955/6	Method Blank	105	112	110
MB 670-32961/7	Method Blank	100	99	101
MB 670-32975/8	Method Blank	96	100	103
MB 670-33078/7	Method Blank	101	99	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 670-32955/6
Matrix: Water
Analysis Batch: 32955

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 10:15	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 10:15	1
1,1,1,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 10:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 10:15	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 10:15	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 10:15	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 10:15	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 10:15	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 10:15	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 10:15	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 10:15	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 10:15	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 10:15	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 10:15	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 10:15	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 10:15	1
Acetone	65.5		50	25	ug/L			05/03/23 10:15	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 10:15	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 10:15	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 10:15	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 10:15	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 10:15	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 10:15	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 10:15	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 10:15	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 10:15	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 10:15	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 10:15	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 10:15	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 10:15	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 10:15	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 10:15	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 10:15	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 10:15	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 10:15	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 10:15	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 10:15	1
Methylene Chloride	5.45	I	10	5.0	ug/L			05/03/23 10:15	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 10:15	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 10:15	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 10:15	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 10:15	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 10:15	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 10:15	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 10:15	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 10:15	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 10:15	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 10:15	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-32955/6
Matrix: Water
Analysis Batch: 32955

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 10:15	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 10:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		41 - 142		05/03/23 10:15	1
Dibromofluoromethane (Surr)	112		53 - 146		05/03/23 10:15	1
Toluene-d8 (Surr)	110		40 - 146		05/03/23 10:15	1

Lab Sample ID: LCS 670-32955/4
Matrix: Water
Analysis Batch: 32955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.2		ug/L		96	54 - 141
1,1,1-Trichloroethane	20.0	22.0		ug/L		110	57 - 148
1,1,2,2-Tetrachloroethane	20.0	18.0		ug/L		90	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.1		ug/L		111	47 - 173
1,1,2-Trichloroethane	20.0	22.8		ug/L		114	57 - 141
1,1-Dichloroethane	20.0	22.3		ug/L		111	57 - 142
1,1-Dichloroethene	20.0	22.8		ug/L		114	47 - 139
1,2,3-Trichloropropane	20.0	17.6		ug/L		88	57 - 141
1,2-Dibromo-3-Chloropropane	20.0	15.6		ug/L		78	48 - 150
1,2-Dichlorobenzene	20.0	18.6		ug/L		93	63 - 131
1,2-Dichloroethane	20.0	20.9		ug/L		104	50 - 156
1,2-Dichloropropane	20.0	22.8		ug/L		114	61 - 133
1,4-Dichlorobenzene	20.0	18.5		ug/L		92	65 - 133
2-Butanone (MEK)	200	216		ug/L		108	10 - 180
2-Hexanone	200	202		ug/L		101	12 - 180
4-Methyl-2-pentanone (MIBK)	200	226		ug/L		113	19 - 180
Acetone	200	199		ug/L		99	10 - 180
Acrylonitrile	200	237		ug/L		118	35 - 180
Benzene	20.0	22.6		ug/L		113	56 - 136
Bromoform	20.0	16.9		ug/L		84	46 - 148
Bromomethane	20.0	11.6		ug/L		58	10 - 173
Carbon disulfide	20.0	24.0		ug/L		120	43 - 153
Carbon tetrachloride	20.0	21.8		ug/L		109	54 - 156
Chlorobenzene	20.0	19.1		ug/L		96	51 - 139
Chlorobromomethane	20.0	23.9		ug/L		119	54 - 141
Chlorodibromomethane	20.0	22.4		ug/L		112	50 - 140
Chloroethane	20.0	15.5		ug/L		78	27 - 180
Chloroform	20.0	21.4		ug/L		107	58 - 139
Chloromethane	20.0	23.1		ug/L		115	33 - 154
cis-1,2-Dichloroethene	20.0	22.1		ug/L		110	56 - 128
cis-1,3-Dichloropropene	20.0	21.9		ug/L		110	64 - 128
Dibromomethane	20.0	22.4		ug/L		112	59 - 143
Dichlorobromomethane	20.0	21.6		ug/L		108	58 - 135
Ethylbenzene	20.0	18.9		ug/L		95	63 - 133
Ethylene Dibromide	20.0	23.5		ug/L		118	57 - 140

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-32955/4
Matrix: Water
Analysis Batch: 32955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iodomethane	20.0	50.4	J3	ug/L		252	28 - 147
m,p-Xylenes	20.0	18.4		ug/L		92	64 - 133
Methylene Chloride	20.0	21.2		ug/L		106	43 - 142
o-Xylene	20.0	18.5		ug/L		92	61 - 129
Styrene	20.0	19.6		ug/L		98	59 - 136
Tetrachloroethene	20.0	22.5		ug/L		113	60 - 147
Toluene	20.0	22.2		ug/L		111	64 - 131
trans-1,2-Dichloroethene	20.0	22.0		ug/L		110	54 - 134
trans-1,3-Dichloropropene	20.0	22.4		ug/L		112	65 - 149
trans-1,4-Dichloro-2-butene	20.0	16.4		ug/L		82	30 - 122
Trichloroethene	20.0	22.8		ug/L		114	62 - 135
Trichlorofluoromethane	20.0	17.3		ug/L		86	56 - 155
Vinyl acetate	40.0	41.5		ug/L		104	50 - 150
Vinyl chloride	20.0	17.8		ug/L		89	20 - 167
Xylenes, Total	40.0	36.9		ug/L		92	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		41 - 142
Dibromofluoromethane (Surr)	107		53 - 146
Toluene-d8 (Surr)	109		40 - 146

Lab Sample ID: 670-18597-2 MS
Matrix: Water
Analysis Batch: 32955

Client Sample ID: 4MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.61	U	20.0	20.5		ug/L		102	54 - 141
1,1,1-Trichloroethane	0.80	U	20.0	24.7		ug/L		123	57 - 148
1,1,2,2-Tetrachloroethane	0.54	U	20.0	17.4		ug/L		87	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	20.0	24.4		ug/L		122	50 - 150
1,1,2-Trichloroethane	0.76	U	20.0	23.8		ug/L		119	57 - 141
1,1-Dichloroethane	0.62	U	20.0	24.5		ug/L		123	57 - 142
1,1-Dichloroethene	0.94	U	20.0	26.0		ug/L		130	49 - 139
1,2,3-Trichloropropane	0.64	U	20.0	17.1		ug/L		86	57 - 141
1,2-Dibromo-3-Chloropropane	0.96	U	20.0	14.3		ug/L		72	48 - 150
1,2-Dichlorobenzene	0.73	U	20.0	19.3		ug/L		97	63 - 131
1,2-Dichloroethane	0.63	U	20.0	21.9		ug/L		110	50 - 156
1,2-Dichloropropane	0.80	U	20.0	24.1		ug/L		121	61 - 133
1,4-Dichlorobenzene	0.76	U	20.0	19.3		ug/L		97	65 - 133
2-Butanone (MEK)	4.5	U	200	192		ug/L		96	10 - 180
2-Hexanone	2.5	U	200	185		ug/L		92	12 - 180
4-Methyl-2-pentanone (MIBK)	5.0	U	200	208		ug/L		104	19 - 180
Acetone	25	U	200	180	V	ug/L		90	10 - 180
Acrylonitrile	5.0	U	200	221		ug/L		111	50 - 150
Benzene	0.71	U	20.0	24.8		ug/L		124	56 - 136
Bromoform	0.75	U	20.0	17.0		ug/L		85	46 - 148
Bromomethane	0.95	U	20.0	19.5		ug/L		97	10 - 173
Carbon disulfide	2.5	U	20.0	26.1		ug/L		131	43 - 153

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 670-18597-2 MS
Matrix: Water
Analysis Batch: 32955

Client Sample ID: 4MW-4
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Carbon tetrachloride	0.94	U	20.0	25.0		ug/L		125	54 - 156
Chlorobenzene	0.72	U	20.0	20.2		ug/L		101	51 - 139
Chlorobromomethane	0.94	U	20.0	25.1		ug/L		126	50 - 150
Chlorodibromomethane	0.50	U	20.0	23.1		ug/L		116	50 - 150
Chloroethane	0.98	U	20.0	17.4		ug/L		87	27 - 180
Chloroform	0.80	U	20.0	22.2		ug/L		111	59 - 139
Chloromethane	0.82	U	20.0	21.4		ug/L		107	33 - 154
cis-1,2-Dichloroethene	0.53	U	20.0	24.0		ug/L		120	56 - 128
cis-1,3-Dichloropropene	0.59	U	20.0	22.3		ug/L		111	64 - 128
Dibromomethane	0.84	U	20.0	22.8		ug/L		114	59 - 143
Dichlorobromomethane	0.52	U	20.0	22.5		ug/L		112	58 - 135
Ethylbenzene	0.69	U	20.0	20.1		ug/L		100	63 - 133
Ethylene Dibromide	0.78	U	20.0	23.5		ug/L		118	50 - 150
Iodomethane	2.5	U	20.0	17.1		ug/L		85	50 - 150
m,p-Xylenes	1.3	U	20.0	20.0		ug/L		100	64 - 133
Methylene Chloride	5.0	U	20.0	21.9	V	ug/L		109	43 - 142
o-Xylene	0.53	U	20.0	19.5		ug/L		97	61 - 129
Styrene	0.61	U	20.0	20.7		ug/L		104	59 - 136
Tetrachloroethene	0.76	U	20.0	24.5		ug/L		122	60 - 147
Toluene	0.72	U	20.0	24.1		ug/L		120	64 - 131
trans-1,2-Dichloroethene	0.73	U	20.0	25.0		ug/L		125	54 - 134
trans-1,3-Dichloropropene	0.73	U	20.0	22.6		ug/L		113	65 - 149
trans-1,4-Dichloro-2-butene	0.79	U	20.0	16.3		ug/L		81	30 - 122
Trichloroethene	0.89	U	20.0	25.4		ug/L		127	62 - 135
Trichlorofluoromethane	0.94	U	20.0	20.2		ug/L		101	56 - 155
Vinyl acetate	2.5	U	40.0	39.8		ug/L		99	50 - 150
Vinyl chloride	0.71	U	20.0	19.9		ug/L		100	20 - 167
Xylenes, Total	1.3	U	40.0	39.5		ug/L		99	50 - 150

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		41 - 142
Dibromofluoromethane (Surr)	107		53 - 146
Toluene-d8 (Surr)	109		40 - 146

Lab Sample ID: 670-18597-1 DU
Matrix: Water
Analysis Batch: 32955

Client Sample ID: 4MW-6
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				
1,1,1,2-Tetrachloroethane	0.61	U	0.61	U	ug/L		NC	30
1,1,1-Trichloroethane	0.80	U	0.80	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.54	U	0.54	U	ug/L		NC	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	0.73	U	ug/L		NC	30
1,1,2-Trichloroethane	0.76	U	0.76	U	ug/L		NC	30
1,1-Dichloroethane	0.62	U	0.62	U	ug/L		NC	30
1,1-Dichloroethene	0.94	U	0.94	U	ug/L		NC	30
1,2,3-Trichloropropane	0.64	U	0.64	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	0.96	U	0.96	U	ug/L		NC	30

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 670-18597-1 DU
Matrix: Water
Analysis Batch: 32955

Client Sample ID: 4MW-6
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				
1,2-Dichlorobenzene	0.73	U	0.73	U	ug/L		NC	30
1,2-Dichloroethane	0.63	U	0.63	U	ug/L		NC	30
1,2-Dichloropropane	0.80	U	0.80	U	ug/L		NC	30
1,4-Dichlorobenzene	0.76	U	0.76	U	ug/L		NC	30
2-Butanone (MEK)	4.5	U	4.5	U	ug/L		NC	30
2-Hexanone	2.5	U	2.5	U	ug/L		NC	30
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	U	ug/L		NC	30
Acetone	25	U	25	U	ug/L		NC	30
Acrylonitrile	5.0	U	5.0	U	ug/L		NC	30
Benzene	0.71	U	0.71	U	ug/L		NC	30
Bromoform	0.75	U	0.75	U	ug/L		NC	30
Bromomethane	0.95	U	0.95	U	ug/L		NC	30
Carbon disulfide	2.5	U	2.5	U	ug/L		NC	30
Carbon tetrachloride	0.94	U	0.94	U	ug/L		NC	30
Chlorobenzene	0.72	U	0.72	U	ug/L		NC	30
Chlorobromomethane	0.94	U	0.94	U	ug/L		NC	30
Chlorodibromomethane	0.50	U	0.50	U	ug/L		NC	30
Chloroethane	0.98	U	0.98	U	ug/L		NC	30
Chloroform	0.80	U	0.80	U	ug/L		NC	30
Chloromethane	0.82	U	0.82	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.53	U	0.53	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.59	U	0.59	U	ug/L		NC	30
Dibromomethane	0.84	U	0.84	U	ug/L		NC	30
Dichlorobromomethane	0.52	U	0.52	U	ug/L		NC	30
Ethylbenzene	0.69	U	0.69	U	ug/L		NC	30
Ethylene Dibromide	0.78	U	0.78	U	ug/L		NC	30
Iodomethane	2.5	U	2.5	U	ug/L		NC	30
m,p-Xylenes	1.3	U	1.3	U	ug/L		NC	30
Methylene Chloride	5.0	U	5.0	U	ug/L		NC	30
o-Xylene	0.53	U	0.53	U	ug/L		NC	30
Styrene	0.61	U	0.61	U	ug/L		NC	30
Tetrachloroethene	0.76	U	0.76	U	ug/L		NC	30
Toluene	0.72	U	0.72	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.73	U	0.73	U	ug/L		NC	20
trans-1,3-Dichloropropene	0.73	U	0.73	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene	0.79	U	0.79	U	ug/L		NC	30
Trichloroethene	0.89	U	0.89	U	ug/L		NC	30
Trichlorofluoromethane	0.94	U	0.94	U	ug/L		NC	30
Vinyl acetate	2.5	U	2.5	U	ug/L		NC	30
Vinyl chloride	0.71	U	0.71	U	ug/L		NC	30
Xylenes, Total	1.3	U	1.3	U	ug/L		NC	30

<i>Surrogate</i>	<i>DU</i>	<i>DU</i>	<i>Limits</i>
<i>%Recovery</i>	<i>Qualifier</i>		
4-Bromofluorobenzene (Surr)	105		41 - 142
Dibromofluoromethane (Surr)	111		53 - 146
Toluene-d8 (Surr)	111		40 - 146

QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-32961/7
Matrix: Water
Analysis Batch: 32961

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 10:43	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 10:43	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 10:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 10:43	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 10:43	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 10:43	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 10:43	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 10:43	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 10:43	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 10:43	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 10:43	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 10:43	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 10:43	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 10:43	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 10:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 10:43	1
Acetone	25	U	50	25	ug/L			05/03/23 10:43	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 10:43	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 10:43	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 10:43	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 10:43	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 10:43	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 10:43	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 10:43	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 10:43	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 10:43	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 10:43	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 10:43	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 10:43	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 10:43	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 10:43	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 10:43	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 10:43	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 10:43	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 10:43	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 10:43	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 10:43	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 10:43	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 10:43	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 10:43	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 10:43	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 10:43	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 10:43	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 10:43	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 10:43	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 10:43	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 10:43	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 10:43	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-32961/7
Matrix: Water
Analysis Batch: 32961

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 10:43	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 10:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		41 - 142		05/03/23 10:43	1
Dibromofluoromethane (Surr)	99		53 - 146		05/03/23 10:43	1
Toluene-d8 (Surr)	101		40 - 146		05/03/23 10:43	1

Lab Sample ID: LCS 670-32961/4
Matrix: Water
Analysis Batch: 32961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	18.3		ug/L		92	54 - 141
1,1,1-Trichloroethane	20.0	17.7		ug/L		89	57 - 148
1,1,2,2-Tetrachloroethane	20.0	18.0		ug/L		90	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	16.3		ug/L		81	47 - 173
1,1,2-Trichloroethane	20.0	17.8		ug/L		89	57 - 141
1,1-Dichloroethane	20.0	17.3		ug/L		86	57 - 142
1,1-Dichloroethene	20.0	16.1		ug/L		80	47 - 139
1,2,3-Trichloropropane	20.0	17.9		ug/L		89	57 - 141
1,2-Dibromo-3-Chloropropane	20.0	18.1		ug/L		91	48 - 150
1,2-Dichlorobenzene	20.0	18.0		ug/L		90	63 - 131
1,2-Dichloroethane	20.0	17.6		ug/L		88	50 - 156
1,2-Dichloropropane	20.0	17.5		ug/L		87	61 - 133
1,4-Dichlorobenzene	20.0	18.0		ug/L		90	65 - 133
2-Butanone (MEK)	200	196		ug/L		98	10 - 180
2-Hexanone	200	192		ug/L		96	12 - 180
4-Methyl-2-pentanone (MIBK)	200	192		ug/L		96	19 - 180
Acetone	200	194		ug/L		97	10 - 180
Acrylonitrile	200	184		ug/L		92	35 - 180
Benzene	20.0	17.4		ug/L		87	56 - 136
Bromoform	20.0	17.7		ug/L		88	46 - 148
Bromomethane	20.0	18.6		ug/L		93	10 - 173
Carbon disulfide	20.0	14.1		ug/L		70	43 - 153
Carbon tetrachloride	20.0	17.9		ug/L		90	54 - 156
Chlorobenzene	20.0	18.1		ug/L		90	51 - 139
Chlorobromomethane	20.0	18.0		ug/L		90	54 - 141
Chlorodibromomethane	20.0	18.3		ug/L		91	50 - 140
Chloroethane	20.0	16.0		ug/L		80	27 - 180
Chloroform	20.0	18.2		ug/L		91	58 - 139
Chloromethane	20.0	16.7		ug/L		84	33 - 154
cis-1,2-Dichloroethene	20.0	17.2		ug/L		86	56 - 128
cis-1,3-Dichloropropene	20.0	18.0		ug/L		90	64 - 128
Dibromomethane	20.0	17.9		ug/L		89	59 - 143
Dichlorobromomethane	20.0	18.0		ug/L		90	58 - 135
Ethylbenzene	20.0	17.7		ug/L		89	63 - 133
Ethylene Dibromide	20.0	18.4		ug/L		92	57 - 140

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-32961/4
Matrix: Water
Analysis Batch: 32961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iodomethane	20.0	17.0		ug/L		85	28 - 147
m,p-Xylenes	20.0	17.7		ug/L		88	64 - 133
Methylene Chloride	20.0	18.6		ug/L		93	43 - 142
o-Xylene	20.0	18.0		ug/L		90	61 - 129
Styrene	20.0	17.9		ug/L		89	59 - 136
Tetrachloroethene	20.0	17.6		ug/L		88	60 - 147
Toluene	20.0	17.9		ug/L		90	64 - 131
trans-1,2-Dichloroethene	20.0	16.9		ug/L		85	54 - 134
trans-1,3-Dichloropropene	20.0	18.3		ug/L		92	65 - 149
trans-1,4-Dichloro-2-butene	20.0	17.1		ug/L		85	30 - 122
Trichloroethene	20.0	17.8		ug/L		89	62 - 135
Trichlorofluoromethane	20.0	18.6		ug/L		93	56 - 155
Vinyl acetate	40.0	37.3		ug/L		93	50 - 150
Vinyl chloride	20.0	17.5		ug/L		88	20 - 167
Xylenes, Total	40.0	35.7		ug/L		89	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		41 - 142
Dibromofluoromethane (Surr)	99		53 - 146
Toluene-d8 (Surr)	101		40 - 146

Lab Sample ID: 670-18626-F-4 MS
Matrix: Water
Analysis Batch: 32961

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.61	U	20.0	21.2		ug/L		106	54 - 141
1,1,1-Trichloroethane	0.80	U	20.0	23.2		ug/L		116	57 - 148
1,1,2,2-Tetrachloroethane	0.54	U	20.0	19.6		ug/L		98	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	20.0	23.2		ug/L		116	50 - 150
1,1,2-Trichloroethane	0.76	U	20.0	20.6		ug/L		103	57 - 141
1,1-Dichloroethane	0.62	U	20.0	22.3		ug/L		112	57 - 142
1,1-Dichloroethene	0.94	U	20.0	22.5		ug/L		113	49 - 139
1,2,3-Trichloropropane	0.64	U	20.0	19.4		ug/L		97	57 - 141
1,2-Dibromo-3-Chloropropane	0.96	U	20.0	16.5		ug/L		82	48 - 150
1,2-Dichlorobenzene	0.73	U	20.0	20.2		ug/L		101	63 - 131
1,2-Dichloroethane	0.63	U	20.0	21.3		ug/L		107	50 - 156
1,2-Dichloropropane	0.80	U	20.0	21.2		ug/L		106	61 - 133
1,4-Dichlorobenzene	0.76	U	20.0	20.5		ug/L		103	65 - 133
2-Butanone (MEK)	4.5	U	200	160		ug/L		80	10 - 180
2-Hexanone	2.5	U	200	170		ug/L		85	12 - 180
4-Methyl-2-pentanone (MIBK)	5.0	U	200	175		ug/L		88	19 - 180
Acetone	25	U	200	151		ug/L		76	10 - 180
Acrylonitrile	5.0	U	200	195		ug/L		98	50 - 150
Benzene	0.71	U	20.0	21.8		ug/L		109	56 - 136
Bromoform	0.75	U	20.0	19.1		ug/L		95	46 - 148
Bromomethane	0.95	U	20.0	19.5		ug/L		97	10 - 173
Carbon disulfide	2.5	U	20.0	22.6		ug/L		113	43 - 153

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 670-18626-F-4 MS
Matrix: Water
Analysis Batch: 32961

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Carbon tetrachloride	0.94	U	20.0	23.4		ug/L		117	54 - 156
Chlorobenzene	0.72	U	20.0	21.5		ug/L		108	51 - 139
Chlorobromomethane	0.94	U	20.0	21.4		ug/L		107	50 - 150
Chlorodibromomethane	0.50	U	20.0	20.8		ug/L		104	50 - 150
Chloroethane	0.98	U	20.0	17.3		ug/L		86	27 - 180
Chloroform	0.80	U	20.0	21.0		ug/L		105	59 - 139
Chloromethane	0.82	U	20.0	17.3		ug/L		87	33 - 154
cis-1,2-Dichloroethene	0.53	U	20.0	22.0		ug/L		110	56 - 128
cis-1,3-Dichloropropene	0.59	U	20.0	21.1		ug/L		106	64 - 128
Dibromomethane	0.84	U	20.0	21.2		ug/L		106	59 - 143
Dichlorobromomethane	0.52	U	20.0	20.9		ug/L		104	58 - 135
Ethylbenzene	0.69	U	20.0	21.9		ug/L		109	63 - 133
Ethylene Dibromide	0.78	U	20.0	20.5		ug/L		103	50 - 150
Iodomethane	2.5	U	20.0	22.4		ug/L		112	50 - 150
m,p-Xylenes	1.3	U	20.0	21.5		ug/L		108	64 - 133
Methylene Chloride	5.0	U	20.0	20.5		ug/L		102	43 - 142
o-Xylene	0.53	U	20.0	21.4		ug/L		107	61 - 129
Styrene	0.61	U	20.0	21.1		ug/L		106	59 - 136
Tetrachloroethene	0.76	U	20.0	21.9		ug/L		110	60 - 147
Toluene	0.72	U	20.0	22.0		ug/L		110	64 - 131
trans-1,2-Dichloroethene	0.73	U	20.0	21.7		ug/L		109	54 - 134
trans-1,3-Dichloropropene	0.73	U	20.0	20.8		ug/L		104	65 - 149
trans-1,4-Dichloro-2-butene	0.79	U	20.0	18.6		ug/L		93	30 - 122
Trichloroethene	0.89	U	20.0	22.4		ug/L		112	62 - 135
Trichlorofluoromethane	0.94	U	20.0	20.2		ug/L		101	56 - 155
Vinyl acetate	2.5	U	40.0	36.5		ug/L		91	50 - 150
Vinyl chloride	0.71	U	20.0	18.6		ug/L		93	20 - 167
Xylenes, Total	1.3	U	40.0	42.9		ug/L		107	50 - 150

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		41 - 142
Dibromofluoromethane (Surr)	102		53 - 146
Toluene-d8 (Surr)	103		40 - 146

Lab Sample ID: MB 670-32975/8
Matrix: Water
Analysis Batch: 32975

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 13:22	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 13:22	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 13:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 13:22	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 13:22	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 13:22	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 13:22	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 13:22	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 13:22	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-32975/8
Matrix: Water
Analysis Batch: 32975

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 13:22	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 13:22	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 13:22	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 13:22	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 13:22	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 13:22	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 13:22	1
Acetone	25	U	50	25	ug/L			05/03/23 13:22	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 13:22	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 13:22	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 13:22	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 13:22	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 13:22	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 13:22	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 13:22	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 13:22	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 13:22	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 13:22	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 13:22	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 13:22	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 13:22	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 13:22	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 13:22	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 13:22	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 13:22	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 13:22	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 13:22	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 13:22	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 13:22	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 13:22	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 13:22	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 13:22	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 13:22	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 13:22	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 13:22	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 13:22	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 13:22	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 13:22	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 13:22	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 13:22	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 13:22	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	96		41 - 142		05/03/23 13:22	1
Dibromofluoromethane (Surr)	100		53 - 146		05/03/23 13:22	1
Toluene-d8 (Surr)	103		40 - 146		05/03/23 13:22	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-32975/5

Matrix: Water

Analysis Batch: 32975

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	22.1		ug/L		110	54 - 141
1,1,1-Trichloroethane	20.0	22.1		ug/L		110	57 - 148
1,1,2,2-Tetrachloroethane	20.0	18.2		ug/L		91	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	23.2		ug/L		116	47 - 173
1,1,2-Trichloroethane	20.0	19.8		ug/L		99	57 - 141
1,1-Dichloroethane	20.0	20.2		ug/L		101	57 - 142
1,1-Dichloroethene	20.0	22.4		ug/L		112	47 - 139
1,2,3-Trichloropropane	20.0	17.9		ug/L		90	57 - 141
1,2-Dibromo-3-Chloropropane	20.0	17.2		ug/L		86	48 - 150
1,2-Dichlorobenzene	20.0	21.0		ug/L		105	63 - 131
1,2-Dichloroethane	20.0	20.8		ug/L		104	50 - 156
1,2-Dichloropropane	20.0	19.9		ug/L		99	61 - 133
1,4-Dichlorobenzene	20.0	21.4		ug/L		107	65 - 133
2-Butanone (MEK)	200	182		ug/L		91	10 - 180
2-Hexanone	200	173		ug/L		87	12 - 180
4-Methyl-2-pentanone (MIBK)	200	178		ug/L		89	19 - 180
Acetone	200	153		ug/L		77	10 - 180
Acrylonitrile	200	180		ug/L		90	35 - 180
Benzene	20.0	20.5		ug/L		102	56 - 136
Bromoform	20.0	19.2		ug/L		96	46 - 148
Bromomethane	20.0	14.8		ug/L		74	10 - 173
Carbon disulfide	20.0	20.8		ug/L		104	43 - 153
Carbon tetrachloride	20.0	23.8		ug/L		119	54 - 156
Chlorobenzene	20.0	22.1		ug/L		111	51 - 139
Chlorobromomethane	20.0	22.4		ug/L		112	54 - 141
Chlorodibromomethane	20.0	20.9		ug/L		104	50 - 140
Chloroethane	20.0	16.9		ug/L		84	27 - 180
Chloroform	20.0	22.2		ug/L		111	58 - 139
Chloromethane	20.0	17.8		ug/L		89	33 - 154
cis-1,2-Dichloroethene	20.0	20.8		ug/L		104	56 - 128
cis-1,3-Dichloropropene	20.0	20.5		ug/L		102	64 - 128
Dibromomethane	20.0	21.5		ug/L		108	59 - 143
Dichlorobromomethane	20.0	20.8		ug/L		104	58 - 135
Ethylbenzene	20.0	21.6		ug/L		108	63 - 133
Ethylene Dibromide	20.0	20.6		ug/L		103	57 - 140
Iodomethane	20.0	26.9		ug/L		135	28 - 147
m,p-Xylenes	20.0	21.4		ug/L		107	64 - 133
Methylene Chloride	20.0	22.0		ug/L		110	43 - 142
o-Xylene	20.0	21.1		ug/L		106	61 - 129
Styrene	20.0	21.1		ug/L		106	59 - 136
Tetrachloroethene	20.0	21.0		ug/L		105	60 - 147
Toluene	20.0	21.3		ug/L		106	64 - 131
trans-1,2-Dichloroethene	20.0	20.4		ug/L		102	54 - 134
trans-1,3-Dichloropropene	20.0	20.5		ug/L		102	65 - 149
trans-1,4-Dichloro-2-butene	20.0	16.0		ug/L		80	30 - 122
Trichloroethene	20.0	23.5		ug/L		118	62 - 135
Trichlorofluoromethane	20.0	20.2		ug/L		101	56 - 155
Vinyl acetate	40.0	37.2		ug/L		93	50 - 150

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-32975/5
Matrix: Water
Analysis Batch: 32975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	20.0	18.3		ug/L		91	20 - 167
Xylenes, Total	40.0	42.5		ug/L		106	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		41 - 142
Dibromofluoromethane (Surr)	102		53 - 146
Toluene-d8 (Surr)	101		40 - 146

Lab Sample ID: 670-18759-C-22 MS
Matrix: Water
Analysis Batch: 32975

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.61	U	20.0	20.4		ug/L		102	54 - 141
1,1,1-Trichloroethane	0.80	U	20.0	22.3		ug/L		111	57 - 148
1,1,2,2-Tetrachloroethane	0.54	U	20.0	17.2		ug/L		86	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	20.0	22.8		ug/L		114	50 - 150
1,1,2-Trichloroethane	0.76	U	20.0	20.9		ug/L		105	57 - 141
1,1-Dichloroethane	0.62	U	20.0	19.8		ug/L		99	57 - 142
1,1-Dichloroethene	0.94	U	20.0	21.7		ug/L		108	49 - 139
1,2,3-Trichloropropane	0.64	U	20.0	16.8		ug/L		84	57 - 141
1,2-Dibromo-3-Chloropropane	0.96	U	20.0	17.8		ug/L		89	48 - 150
1,2-Dichlorobenzene	0.73	U	20.0	18.6		ug/L		93	63 - 131
1,2-Dichloroethane	0.63	U	20.0	21.6		ug/L		108	50 - 156
1,2-Dichloropropane	0.80	U	20.0	21.0		ug/L		105	61 - 133
1,4-Dichlorobenzene	0.76	U	20.0	19.1		ug/L		96	65 - 133
2-Butanone (MEK)	4.5	U	200	200		ug/L		100	10 - 180
2-Hexanone	2.5	U	200	191		ug/L		96	12 - 180
4-Methyl-2-pentanone (MIBK)	5.0	U	200	195		ug/L		98	19 - 180
Acetone	25	U	200	147		ug/L		73	10 - 180
Acrylonitrile	5.0	U	200	197		ug/L		99	50 - 150
Benzene	1.9		20.0	22.7		ug/L		104	56 - 136
Bromoform	0.75	U	20.0	17.3		ug/L		86	46 - 148
Bromomethane	0.95	U	20.0	14.8		ug/L		74	10 - 173
Carbon disulfide	2.5	U	20.0	20.9		ug/L		105	43 - 153
Carbon tetrachloride	0.94	U	20.0	23.1		ug/L		115	54 - 156
Chlorobenzene	0.72	U	20.0	20.5		ug/L		102	51 - 139
Chlorobromomethane	0.94	U	20.0	21.3		ug/L		107	50 - 150
Chlorodibromomethane	0.50	U	20.0	20.5		ug/L		103	50 - 150
Chloroethane	0.98	U	20.0	18.9		ug/L		94	27 - 180
Chloroform	0.80	U	20.0	21.2		ug/L		106	59 - 139
Chloromethane	0.82	U	20.0	19.1		ug/L		95	33 - 154
cis-1,2-Dichloroethene	0.53	U	20.0	20.7		ug/L		103	56 - 128
cis-1,3-Dichloropropene	0.59	U	20.0	19.4		ug/L		97	64 - 128
Dibromomethane	0.84	U	20.0	20.6		ug/L		103	59 - 143
Dichlorobromomethane	0.52	U	20.0	20.7		ug/L		104	58 - 135
Ethylbenzene	1.1		20.0	21.4		ug/L		102	63 - 133
Ethylene Dibromide	0.78	U	20.0	20.7		ug/L		104	50 - 150

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 670-18759-C-22 MS

Matrix: Water

Analysis Batch: 32975

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Iodomethane	2.5	U	20.0	24.3		ug/L		122	50 - 150
m,p-Xylenes	4.1		20.0	24.7		ug/L		103	64 - 133
Methylene Chloride	5.0	U	20.0	19.4		ug/L		97	43 - 142
o-Xylene	1.7		20.0	21.6		ug/L		100	61 - 129
Styrene	0.61	U	20.0	19.6		ug/L		98	59 - 136
Tetrachloroethene	0.76	U	20.0	20.0		ug/L		100	60 - 147
Toluene	1.4		20.0	22.6		ug/L		106	64 - 131
trans-1,2-Dichloroethene	0.73	U	20.0	20.8		ug/L		104	54 - 134
trans-1,3-Dichloropropene	0.73	U	20.0	19.9		ug/L		99	65 - 149
trans-1,4-Dichloro-2-butene	0.79	U	20.0	15.3		ug/L		76	30 - 122
Trichloroethene	0.89	U	20.0	22.4		ug/L		112	62 - 135
Trichlorofluoromethane	0.94	U	20.0	19.9		ug/L		100	56 - 155
Vinyl acetate	2.5	U	40.0	36.7		ug/L		92	50 - 150
Vinyl chloride	0.71	U	20.0	19.3		ug/L		97	20 - 167
Xylenes, Total	5.8		40.0	46.3		ug/L		101	50 - 150

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		41 - 142
Dibromofluoromethane (Surr)	101		53 - 146
Toluene-d8 (Surr)	104		40 - 146

Lab Sample ID: 670-18759-A-21 DU

Matrix: Water

Analysis Batch: 32975

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
1,1,1,2-Tetrachloroethane	0.61	U	0.61	U	ug/L		NC	30
1,1,1-Trichloroethane	0.80	U	0.80	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.54	U	0.54	U	ug/L		NC	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	0.73	U	ug/L		NC	30
1,1,2-Trichloroethane	0.76	U	0.76	U	ug/L		NC	30
1,1-Dichloroethane	0.62	U	0.62	U	ug/L		NC	30
1,1-Dichloroethene	0.94	U	0.94	U	ug/L		NC	30
1,2,3-Trichloropropane	0.64	U	0.64	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	0.96	U	0.96	U	ug/L		NC	30
1,2-Dichlorobenzene	0.73	U	0.73	U	ug/L		NC	30
1,2-Dichloroethane	0.63	U	0.63	U	ug/L		NC	30
1,2-Dichloropropane	0.80	U	0.80	U	ug/L		NC	30
1,4-Dichlorobenzene	0.76	U	0.76	U	ug/L		NC	30
2-Butanone (MEK)	4.5	U	4.5	U	ug/L		NC	30
2-Hexanone	2.5	U	2.5	U	ug/L		NC	30
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	U	ug/L		NC	30
Acetone	25	U	25	U	ug/L		NC	30
Acrylonitrile	5.0	U	5.0	U	ug/L		NC	30
Benzene	0.71	U	0.71	U	ug/L		NC	30
Bromoform	0.75	U	0.75	U	ug/L		NC	30
Bromomethane	0.95	U	0.95	U	ug/L		NC	30
Carbon disulfide	2.5	U	2.5	U	ug/L		NC	30

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 670-18759-A-21 DU
Matrix: Water
Analysis Batch: 32975

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				
Carbon tetrachloride	0.94	U	0.94	U	ug/L		NC	30
Chlorobenzene	0.72	U	0.72	U	ug/L		NC	30
Chlorobromomethane	0.94	U	0.94	U	ug/L		NC	30
Chlorodibromomethane	0.50	U	0.50	U	ug/L		NC	30
Chloroethane	0.98	U	0.98	U	ug/L		NC	30
Chloroform	0.80	U	0.80	U	ug/L		NC	30
Chloromethane	0.82	U	0.82	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.53	U	0.53	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.59	U	0.59	U	ug/L		NC	30
Dibromomethane	0.84	U	0.84	U	ug/L		NC	30
Dichlorobromomethane	0.52	U	0.52	U	ug/L		NC	30
Ethylbenzene	0.69	U	0.69	U	ug/L		NC	30
Ethylene Dibromide	0.78	U	0.78	U	ug/L		NC	30
Iodomethane	2.5	U	2.5	U	ug/L		NC	30
m,p-Xylenes	1.7	I	1.70	I	ug/L		1	30
Methylene Chloride	5.0	U	5.0	U	ug/L		NC	30
o-Xylene	0.53	U	0.53	U	ug/L		NC	30
Styrene	0.61	U	0.61	U	ug/L		NC	30
Tetrachloroethene	0.76	U	0.76	U	ug/L		NC	30
Toluene	0.72	U	0.72	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.73	U	0.73	U	ug/L		NC	20
trans-1,3-Dichloropropene	0.73	U	0.73	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene	0.79	U	0.79	U	ug/L		NC	30
Trichloroethene	0.89	U	0.89	U	ug/L		NC	30
Trichlorofluoromethane	0.94	U	0.94	U	ug/L		NC	30
Vinyl acetate	2.5	U	2.5	U	ug/L		NC	30
Vinyl chloride	0.71	U	0.71	U	ug/L		NC	30
Xylenes, Total	1.7	I	1.70	I	ug/L		0	30

Surrogate	DU	DU	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	94		41 - 142
Dibromofluoromethane (Surr)	101		53 - 146
Toluene-d8 (Surr)	100		40 - 146

Lab Sample ID: MB 670-33078/7
Matrix: Water
Analysis Batch: 33078

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			05/03/23 19:45	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			05/03/23 19:45	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			05/03/23 19:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			05/03/23 19:45	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			05/03/23 19:45	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			05/03/23 19:45	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			05/03/23 19:45	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			05/03/23 19:45	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			05/03/23 19:45	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-33078/7
Matrix: Water
Analysis Batch: 33078

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			05/03/23 19:45	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			05/03/23 19:45	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			05/03/23 19:45	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			05/03/23 19:45	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			05/03/23 19:45	1
2-Hexanone	2.5	U	20	2.5	ug/L			05/03/23 19:45	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			05/03/23 19:45	1
Acetone	25	U	50	25	ug/L			05/03/23 19:45	1
Acrylonitrile	5.0	U	10	5.0	ug/L			05/03/23 19:45	1
Benzene	0.71	U	1.0	0.71	ug/L			05/03/23 19:45	1
Bromoform	0.75	U	1.0	0.75	ug/L			05/03/23 19:45	1
Bromomethane	0.95	U	2.0	0.95	ug/L			05/03/23 19:45	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			05/03/23 19:45	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			05/03/23 19:45	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			05/03/23 19:45	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			05/03/23 19:45	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			05/03/23 19:45	1
Chloroethane	0.98	U	2.0	0.98	ug/L			05/03/23 19:45	1
Chloroform	0.80	U	5.0	0.80	ug/L			05/03/23 19:45	1
Chloromethane	0.82	U	2.0	0.82	ug/L			05/03/23 19:45	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			05/03/23 19:45	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			05/03/23 19:45	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			05/03/23 19:45	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			05/03/23 19:45	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			05/03/23 19:45	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			05/03/23 19:45	1
Iodomethane	2.5	U	10	2.5	ug/L			05/03/23 19:45	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			05/03/23 19:45	1
Methylene Chloride	5.0	U	10	5.0	ug/L			05/03/23 19:45	1
o-Xylene	0.53	U	1.0	0.53	ug/L			05/03/23 19:45	1
Styrene	0.61	U	1.0	0.61	ug/L			05/03/23 19:45	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			05/03/23 19:45	1
Toluene	0.72	U	1.0	0.72	ug/L			05/03/23 19:45	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			05/03/23 19:45	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			05/03/23 19:45	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			05/03/23 19:45	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			05/03/23 19:45	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			05/03/23 19:45	1
Vinyl acetate	2.5	U	20	2.5	ug/L			05/03/23 19:45	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			05/03/23 19:45	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			05/03/23 19:45	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		41 - 142		05/03/23 19:45	1
Dibromofluoromethane (Surr)	99		53 - 146		05/03/23 19:45	1
Toluene-d8 (Surr)	102		40 - 146		05/03/23 19:45	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-33078/4

Matrix: Water

Analysis Batch: 33078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	18.3		ug/L		92	54 - 141
1,1,1-Trichloroethane	20.0	19.0		ug/L		95	57 - 148
1,1,2,2-Tetrachloroethane	20.0	18.3		ug/L		91	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.8		ug/L		94	47 - 173
1,1,2-Trichloroethane	20.0	18.8		ug/L		94	57 - 141
1,1-Dichloroethane	20.0	19.2		ug/L		96	57 - 142
1,1-Dichloroethene	20.0	18.3		ug/L		91	47 - 139
1,2,3-Trichloropropane	20.0	19.6		ug/L		98	57 - 141
1,2-Dibromo-3-Chloropropane	20.0	18.6		ug/L		93	48 - 150
1,2-Dichlorobenzene	20.0	18.1		ug/L		91	63 - 131
1,2-Dichloroethane	20.0	19.0		ug/L		95	50 - 156
1,2-Dichloropropane	20.0	18.9		ug/L		95	61 - 133
1,4-Dichlorobenzene	20.0	18.0		ug/L		90	65 - 133
2-Butanone (MEK)	200	214		ug/L		107	10 - 180
2-Hexanone	200	207		ug/L		103	12 - 180
4-Methyl-2-pentanone (MIBK)	200	203		ug/L		101	19 - 180
Acetone	200	218		ug/L		109	10 - 180
Acrylonitrile	200	199		ug/L		99	35 - 180
Benzene	20.0	18.4		ug/L		92	56 - 136
Bromoform	20.0	18.5		ug/L		92	46 - 148
Bromomethane	20.0	20.3		ug/L		102	10 - 173
Carbon disulfide	20.0	18.4		ug/L		92	43 - 153
Carbon tetrachloride	20.0	19.4		ug/L		97	54 - 156
Chlorobenzene	20.0	18.7		ug/L		93	51 - 139
Chlorobromomethane	20.0	19.3		ug/L		96	54 - 141
Chlorodibromomethane	20.0	19.1		ug/L		95	50 - 140
Chloroethane	20.0	18.6		ug/L		93	27 - 180
Chloroform	20.0	18.9		ug/L		94	58 - 139
Chloromethane	20.0	19.7		ug/L		99	33 - 154
cis-1,2-Dichloroethene	20.0	19.2		ug/L		96	56 - 128
cis-1,3-Dichloropropene	20.0	19.7		ug/L		98	64 - 128
Dibromomethane	20.0	19.7		ug/L		98	59 - 143
Dichlorobromomethane	20.0	19.3		ug/L		96	58 - 135
Ethylbenzene	20.0	18.5		ug/L		93	63 - 133
Ethylene Dibromide	20.0	19.6		ug/L		98	57 - 140
Iodomethane	20.0	19.2		ug/L		96	28 - 147
m,p-Xylenes	20.0	18.1		ug/L		90	64 - 133
Methylene Chloride	20.0	19.8		ug/L		99	43 - 142
o-Xylene	20.0	18.5		ug/L		92	61 - 129
Styrene	20.0	18.6		ug/L		93	59 - 136
Tetrachloroethene	20.0	20.4		ug/L		102	60 - 147
Toluene	20.0	18.8		ug/L		94	64 - 131
trans-1,2-Dichloroethene	20.0	18.9		ug/L		94	54 - 134
trans-1,3-Dichloropropene	20.0	18.9		ug/L		94	65 - 149
trans-1,4-Dichloro-2-butene	20.0	19.2		ug/L		96	30 - 122
Trichloroethene	20.0	19.1		ug/L		95	62 - 135
Trichlorofluoromethane	20.0	20.7		ug/L		104	56 - 155
Vinyl acetate	40.0	38.4		ug/L		96	50 - 150

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-33078/4
Matrix: Water
Analysis Batch: 33078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	20.0	19.9		ug/L		100	20 - 167
Xylenes, Total	40.0	36.6		ug/L		92	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		41 - 142
Dibromofluoromethane (Surr)	103		53 - 146
Toluene-d8 (Surr)	103		40 - 146

Lab Sample ID: 670-18752-2 MS
Matrix: Water
Analysis Batch: 33078

Client Sample ID: 2MW-19D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.61	U J3	20.0	0.61	U J3	ug/L		0	54 - 141
1,1,1-Trichloroethane	0.80	U J3	20.0	0.80	U J3	ug/L		0	57 - 148
1,1,2,2-Tetrachloroethane	0.54	U J3	20.0	0.54	U J3	ug/L		0	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U J3	20.0	0.73	U J3	ug/L		0	50 - 150
1,1,2-Trichloroethane	0.76	U J3	20.0	0.76	U J3	ug/L		0	57 - 141
1,1-Dichloroethane	0.62	U J3	20.0	0.62	U J3	ug/L		0	57 - 142
1,1-Dichloroethene	0.94	U J3	20.0	0.94	U J3	ug/L		0	49 - 139
1,2,3-Trichloropropane	0.64	U J3	20.0	0.64	U J3	ug/L		0	57 - 141
1,2-Dibromo-3-Chloropropane	0.96	U J3	20.0	0.96	U J3	ug/L		0	48 - 150
1,2-Dichlorobenzene	0.73	U J3	20.0	0.73	U J3	ug/L		0	63 - 131
1,2-Dichloroethane	0.63	U J3	20.0	0.63	U J3	ug/L		0	50 - 156
1,2-Dichloropropane	0.80	U J3	20.0	0.80	U J3	ug/L		0	61 - 133
1,4-Dichlorobenzene	0.76	U J3	20.0	0.76	U J3	ug/L		0	65 - 133
2-Butanone (MEK)	4.5	U J3	200	4.5	U J3	ug/L		0	10 - 180
2-Hexanone	2.5	U J3	200	2.5	U J3	ug/L		0	12 - 180
4-Methyl-2-pentanone (MIBK)	5.0	U J3	200	5.0	U J3	ug/L		0	19 - 180
Acetone	25	U J3	200	25	U J3	ug/L		0	10 - 180
Acrylonitrile	5.0	U J3	200	5.0	U J3	ug/L		0	50 - 150
Benzene	0.71	U J3	20.0	0.71	U J3	ug/L		0	56 - 136
Bromoform	0.75	U J3	20.0	0.75	U J3	ug/L		0	46 - 148
Bromomethane	0.95	U J3	20.0	0.95	U J3	ug/L		0	10 - 173
Carbon disulfide	2.5	U J3	20.0	2.5	U J3	ug/L		0	43 - 153
Carbon tetrachloride	0.94	U J3	20.0	0.94	U J3	ug/L		0	54 - 156
Chlorobenzene	0.72	U J3	20.0	0.72	U J3	ug/L		0	51 - 139
Chlorobromomethane	0.94	U J3	20.0	0.94	U J3	ug/L		0	50 - 150
Chlorodibromomethane	0.50	U J3	20.0	0.50	U J3	ug/L		0	50 - 150
Chloroethane	0.98	U J3	20.0	0.98	U J3	ug/L		0	27 - 180
Chloroform	0.80	U J3	20.0	0.80	U J3	ug/L		0	59 - 139
Chloromethane	0.82	U J3	20.0	0.82	U J3	ug/L		0	33 - 154
cis-1,2-Dichloroethene	0.53	U J3	20.0	0.53	U J3	ug/L		0	56 - 128
cis-1,3-Dichloropropene	0.59	U J3	20.0	0.59	U J3	ug/L		0	64 - 128
Dibromomethane	0.84	U J3	20.0	0.84	U J3	ug/L		0	59 - 143
Dichlorobromomethane	0.52	U J3	20.0	0.52	U J3	ug/L		0	58 - 135
Ethylbenzene	0.69	U J3	20.0	0.69	U J3	ug/L		0	63 - 133
Ethylene Dibromide	0.78	U J3	20.0	0.78	U J3	ug/L		0	50 - 150

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 670-18752-2 MS
Matrix: Water
Analysis Batch: 33078

Client Sample ID: 2MW-19D
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Iodomethane	2.5	U J3	20.0	2.5	U J3	ug/L		0	50 - 150
m,p-Xylenes	1.3	U J3	20.0	1.3	U J3	ug/L		0	64 - 133
Methylene Chloride	5.0	U J3	20.0	5.0	U J3	ug/L		0	43 - 142
o-Xylene	0.53	U J3	20.0	0.53	U J3	ug/L		0	61 - 129
Styrene	0.61	U J3	20.0	0.61	U J3	ug/L		0	59 - 136
Tetrachloroethene	0.76	U J3	20.0	0.76	U J3	ug/L		0	60 - 147
Toluene	0.72	U J3	20.0	0.72	U J3	ug/L		0	64 - 131
trans-1,2-Dichloroethene	0.73	U J3	20.0	0.73	U J3	ug/L		0	54 - 134
trans-1,3-Dichloropropene	0.73	U J3	20.0	0.73	U J3	ug/L		0	65 - 149
trans-1,4-Dichloro-2-butene	0.79	U J3	20.0	0.79	U J3	ug/L		0	30 - 122
Trichloroethene	0.89	U J3	20.0	0.89	U J3	ug/L		0	62 - 135
Trichlorofluoromethane	0.94	U J3	20.0	0.94	U J3	ug/L		0	56 - 155
Vinyl acetate	2.5	U J3	40.0	2.5	U J3	ug/L		0	50 - 150
Vinyl chloride	0.71	U J3	20.0	0.71	U J3	ug/L		0	20 - 167
Xylenes, Total	1.3	U J3	40.0	1.3	U J3	ug/L		0	50 - 150

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		41 - 142
Dibromofluoromethane (Surr)	100		53 - 146
Toluene-d8 (Surr)	102		40 - 146

Lab Sample ID: 670-18752-1 DU
Matrix: Water
Analysis Batch: 33078

Client Sample ID: 2MW-2
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier		Result				
1,1,1,2-Tetrachloroethane	0.61	U	0.61	U	ug/L		NC	30
1,1,1-Trichloroethane	0.80	U	0.80	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.54	U	0.54	U	ug/L		NC	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	0.73	U	ug/L		NC	30
1,1,2-Trichloroethane	0.76	U	0.76	U	ug/L		NC	30
1,1-Dichloroethane	0.62	U	0.62	U	ug/L		NC	30
1,1-Dichloroethene	0.94	U	0.94	U	ug/L		NC	30
1,2,3-Trichloropropane	0.64	U	0.64	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	0.96	U	0.96	U	ug/L		NC	30
1,2-Dichlorobenzene	0.73	U	0.73	U	ug/L		NC	30
1,2-Dichloroethane	0.63	U	0.63	U	ug/L		NC	30
1,2-Dichloropropane	0.80	U	0.80	U	ug/L		NC	30
1,4-Dichlorobenzene	0.76	U	0.76	U	ug/L		NC	30
2-Butanone (MEK)	4.5	U	4.5	U	ug/L		NC	30
2-Hexanone	2.5	U	2.5	U	ug/L		NC	30
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	U	ug/L		NC	30
Acetone	25	U	25	U	ug/L		NC	30
Acrylonitrile	5.0	U	5.0	U	ug/L		NC	30
Benzene	0.71	U	0.71	U	ug/L		NC	30
Bromoform	0.75	U	0.75	U	ug/L		NC	30
Bromomethane	0.95	U	0.95	U	ug/L		NC	30
Carbon disulfide	2.5	U	2.5	U	ug/L		NC	30

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 670-18752-1 DU
Matrix: Water
Analysis Batch: 33078

Client Sample ID: 2MW-2
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				
Carbon tetrachloride	0.94	U	0.94	U	ug/L		NC	30
Chlorobenzene	0.72	U	0.72	U	ug/L		NC	30
Chlorobromomethane	0.94	U	0.94	U	ug/L		NC	30
Chlorodibromomethane	0.50	U	0.50	U	ug/L		NC	30
Chloroethane	0.98	U	0.98	U	ug/L		NC	30
Chloroform	0.80	U	0.80	U	ug/L		NC	30
Chloromethane	0.82	U	0.82	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.53	U	0.53	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.59	U	0.59	U	ug/L		NC	30
Dibromomethane	0.84	U	0.84	U	ug/L		NC	30
Dichlorobromomethane	0.52	U	0.52	U	ug/L		NC	30
Ethylbenzene	0.69	U	0.69	U	ug/L		NC	30
Ethylene Dibromide	0.78	U	0.78	U	ug/L		NC	30
Iodomethane	2.5	U	2.5	U	ug/L		NC	30
m,p-Xylenes	1.3	U	1.3	U	ug/L		NC	30
Methylene Chloride	5.0	U	5.0	U	ug/L		NC	30
o-Xylene	0.53	U	0.53	U	ug/L		NC	30
Styrene	0.61	U	0.61	U	ug/L		NC	30
Tetrachloroethene	0.76	U	0.76	U	ug/L		NC	30
Toluene	0.72	U	0.72	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.73	U	0.73	U	ug/L		NC	20
trans-1,3-Dichloropropene	0.73	U	0.73	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene	0.79	U	0.79	U	ug/L		NC	30
Trichloroethene	0.89	U	0.89	U	ug/L		NC	30
Trichlorofluoromethane	0.94	U	0.94	U	ug/L		NC	30
Vinyl acetate	2.5	U	2.5	U	ug/L		NC	30
Vinyl chloride	0.71	U	0.71	U	ug/L		NC	30
Xylenes, Total	1.3	U	1.3	U	ug/L		NC	30

	DU	DU	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		41 - 142
Dibromofluoromethane (Surr)	100		53 - 146
Toluene-d8 (Surr)	101		40 - 146

Method: 8260D - Volatile Organic Compounds by GC/MS - DL

Lab Sample ID: 670-18928-D-1 DU
Matrix: Water
Analysis Batch: 32961

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				
1,1,1,2-Tetrachloroethane - DL	3.1	U	3.1	U	ug/L		NC	30
1,1,1-Trichloroethane - DL	4.0	U	4.0	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane - DL	2.7	U	2.7	U	ug/L		NC	30
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	3.7	U	3.7	U	ug/L		NC	30
1,1,2-Trichloroethane - DL	3.8	U	3.8	U	ug/L		NC	30
1,1-Dichloroethane - DL	8.8	U	8.95	U	ug/L		1	30
1,1-Dichloroethene - DL	4.7	U	4.7	U	ug/L		NC	30

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 670-18928-D-1 DU
Matrix: Water
Analysis Batch: 32961

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				
1,2,3-Trichloropropane - DL	3.2	U	3.2	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane - DL	4.8	U	4.8	U	ug/L		NC	30
1,2-Dichlorobenzene - DL	3.7	U	3.7	U	ug/L		NC	30
1,2-Dichloroethane - DL	3.2	U	3.2	U	ug/L		NC	30
1,2-Dichloropropane - DL	4.0	U	4.0	U	ug/L		NC	30
1,4-Dichlorobenzene - DL	3.8	U	3.8	U	ug/L		NC	30
2-Butanone (MEK) - DL	23	U	23	U	ug/L		NC	30
2-Hexanone - DL	13	U	13	U	ug/L		NC	30
4-Methyl-2-pentanone (MIBK) - DL	25	U	25	U	ug/L		NC	30
Acetone - DL	130	U	130	U	ug/L		NC	30
Acrylonitrile - DL	25	U	25	U	ug/L		NC	30
Benzene - DL	3.6	U	3.6	U	ug/L		NC	30
Bromoform - DL	3.8	U	3.8	U	ug/L		NC	30
Bromomethane - DL	4.8	U	4.8	U	ug/L		NC	30
Carbon disulfide - DL	13	U	13	U	ug/L		NC	30
Carbon tetrachloride - DL	4.7	U	4.7	U	ug/L		NC	30
Chlorobenzene - DL	3.6	U	3.6	U	ug/L		NC	30
Chlorobromomethane - DL	4.7	U	4.7	U	ug/L		NC	30
Chlorodibromomethane - DL	2.5	U	2.5	U	ug/L		NC	30
Chloroethane - DL	4.9	U	4.9	U	ug/L		NC	30
Chloroform - DL	4.0	U	4.0	U	ug/L		NC	30
Chloromethane - DL	4.1	U	4.1	U	ug/L		NC	30
cis-1,2-Dichloroethene - DL	2.7	U	2.7	U	ug/L		NC	30
cis-1,3-Dichloropropene - DL	3.0	U	3.0	U	ug/L		NC	30
Dibromomethane - DL	4.2	U	4.2	U	ug/L		NC	30
Dichlorobromomethane - DL	2.6	U	2.6	U	ug/L		NC	30
Ethylbenzene - DL	3.5	U	3.5	U	ug/L		NC	30
Ethylene Dibromide - DL	3.9	U	3.9	U	ug/L		NC	30
Iodomethane - DL	13	U	13	U	ug/L		NC	30
m,p-Xylenes - DL	6.5	U	6.5	U	ug/L		NC	30
Methylene Chloride - DL	25	U	25	U	ug/L		NC	30
o-Xylene - DL	2.7	U	2.7	U	ug/L		NC	30
Styrene - DL	3.1	U	3.1	U	ug/L		NC	30
Tetrachloroethene - DL	3.8	U	3.8	U	ug/L		NC	30
Toluene - DL	3.6	U	3.6	U	ug/L		NC	30
trans-1,2-Dichloroethene - DL	3.7	U	3.7	U	ug/L		NC	20
trans-1,3-Dichloropropene - DL	3.7	U	3.7	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene - DL	4.0	U	4.0	U	ug/L		NC	30
Trichloroethene - DL	4.5	U	4.5	U	ug/L		NC	30
Trichlorofluoromethane - DL	4.7	U	4.7	U	ug/L		NC	30
Vinyl acetate - DL	13	U	13	U	ug/L		NC	30
Vinyl chloride - DL	3.6	U	3.6	U	ug/L		NC	30
Xylenes, Total - DL	6.5	U	6.5	U	ug/L		NC	30

Surrogate	DU	DU	Limits
%Recovery	Qualifier		
4-Bromofluorobenzene (Surr) - DL	102		41 - 142

QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 670-18928-D-1 DU
Matrix: Water
Analysis Batch: 32961

Client Sample ID: Duplicate
Prep Type: Total/NA

Surrogate	%Recovery	DU DU Qualifier	Limits
Dibromofluoromethane (Surr) - DL	101		53 - 146
Toluene-d8 (Surr) - DL	101		40 - 146

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 670-31958/6
Matrix: Water
Analysis Batch: 31958

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB Result Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20 U	0.40	0.20	mg/L			04/26/23 15:00	1

Lab Sample ID: LCS 670-31958/4
Matrix: Water
Analysis Batch: 31958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	4.00	3.99	mg/L		100	90 - 110

Lab Sample ID: LCSD 670-31958/5
Matrix: Water
Analysis Batch: 31958

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD LCSD Result Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	4.00	3.99	mg/L		100	90 - 110	0	20

Lab Sample ID: 762-1311-B-1 MS
Matrix: Water
Analysis Batch: 31958

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS Result Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.20	U	5.00	4.97	mg/L		99	80 - 120

Lab Sample ID: 762-1311-B-1 MSD
Matrix: Water
Analysis Batch: 31958

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD Result Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.20	U	5.00	4.97	mg/L		99	80 - 120	0	20

Lab Sample ID: MB 670-32184/39
Matrix: Water
Analysis Batch: 32184

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB Result Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20 U	0.40	0.20	mg/L			04/27/23 22:03	1

QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 670-32184/6
Matrix: Water
Analysis Batch: 32184

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20	U	0.40	0.20	mg/L			04/27/23 10:43	1

Lab Sample ID: LCS 670-32184/37
Matrix: Water
Analysis Batch: 32184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	4.00	3.99		mg/L		100	90 - 110

Lab Sample ID: LCSD 670-32184/38
Matrix: Water
Analysis Batch: 32184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	4.00	3.99		mg/L		100	90 - 110	0	20

Lab Sample ID: 670-18661-5 MS
Matrix: Water
Analysis Batch: 32184

Client Sample ID: Equipment Blank
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	1.9		5.00	6.78		mg/L		98	80 - 120

Lab Sample ID: 670-18661-5 MSD
Matrix: Water
Analysis Batch: 32184

Client Sample ID: Equipment Blank
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	1.9		5.00	6.78		mg/L		98	80 - 120	0	20

Lab Sample ID: MB 670-32189/6
Matrix: Water
Analysis Batch: 32189

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20	U	0.40	0.20	mg/L			04/27/23 10:40	1

Lab Sample ID: LCS 670-32189/4
Matrix: Water
Analysis Batch: 32189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	4.00	3.89		mg/L		97	90 - 110

Lab Sample ID: LCSD 670-32189/5
Matrix: Water
Analysis Batch: 32189

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	4.00	3.88		mg/L		97	90 - 110	0	20

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 670-18614-B-1 MS
Matrix: Water
Analysis Batch: 32189

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.20	U	5.00	5.00		mg/L		100	80 - 120

Lab Sample ID: 670-18614-B-1 MSD
Matrix: Water
Analysis Batch: 32189

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.20	U	5.00	5.03		mg/L		101	80 - 120	1	20

Lab Sample ID: MB 670-32413/6
Matrix: Water
Analysis Batch: 32413

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20	U	0.40	0.20	mg/L			04/28/23 12:41	1

Lab Sample ID: LCS 670-32413/1004
Matrix: Water
Analysis Batch: 32413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	4.00	4.10		mg/L		103	90 - 110

Lab Sample ID: LCSD 670-32413/5
Matrix: Water
Analysis Batch: 32413

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	4.00	4.02		mg/L		101	90 - 110	2	20

Lab Sample ID: 670-18752-1 MS
Matrix: Water
Analysis Batch: 32413

Client Sample ID: 2MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	1.1		5.00	6.27		mg/L		103	80 - 120

Lab Sample ID: 670-18752-1 MSD
Matrix: Water
Analysis Batch: 32413

Client Sample ID: 2MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	1.1		5.00	6.10		mg/L		99	80 - 120	3	20

QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 670-31959/53
Matrix: Water
Analysis Batch: 31959

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			04/26/23 21:57	1

Lab Sample ID: MB 670-31959/6
Matrix: Water
Analysis Batch: 31959

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			04/26/23 15:00	1

Lab Sample ID: LCS 670-31959/4
Matrix: Water
Analysis Batch: 31959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.00	3.87		mg/L		97	90 - 110

Lab Sample ID: LCS 670-31959/51
Matrix: Water
Analysis Batch: 31959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.00	3.82		mg/L		96	90 - 110

Lab Sample ID: LCSD 670-31959/5
Matrix: Water
Analysis Batch: 31959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.00	3.87		mg/L		97	90 - 110	0	20

Lab Sample ID: LCSD 670-31959/52
Matrix: Water
Analysis Batch: 31959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.00	3.86		mg/L		96	90 - 110	1	20

Lab Sample ID: 660-128712-E-1 MS
Matrix: Water
Analysis Batch: 31959

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.20	U	5.00	4.91		mg/L		98	80 - 120

Lab Sample ID: 660-128712-E-1 MSD
Matrix: Water
Analysis Batch: 31959

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	0.20	U	5.00	4.89		mg/L		98	80 - 120	0	20

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 670-32185/39
Matrix: Water
Analysis Batch: 32185

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			04/27/23 22:03	1

Lab Sample ID: MB 670-32185/6
Matrix: Water
Analysis Batch: 32185

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			04/27/23 10:43	1

Lab Sample ID: LCS 670-32185/37
Matrix: Water
Analysis Batch: 32185

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.00	3.89		mg/L		97	90 - 110

Lab Sample ID: LCSD 670-32185/38
Matrix: Water
Analysis Batch: 32185

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.00	3.89		mg/L		97	90 - 110	0	20

Lab Sample ID: 670-18661-5 MS
Matrix: Water
Analysis Batch: 32185

Client Sample ID: Equipment Blank
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15		5.00	20.1		mg/L		97	80 - 120

Lab Sample ID: 670-18661-5 MSD
Matrix: Water
Analysis Batch: 32185

Client Sample ID: Equipment Blank
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15		5.00	20.0		mg/L		97	80 - 120	0	20

Lab Sample ID: MB 670-32412/6
Matrix: Water
Analysis Batch: 32412

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			04/28/23 12:41	1

Lab Sample ID: LCS 670-32412/1004
Matrix: Water
Analysis Batch: 32412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.00	3.98		mg/L		99	90 - 110

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: LCSD 670-32412/5
Matrix: Water
Analysis Batch: 32412

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.00	4.00		mg/L		100	90 - 110	0	20

Lab Sample ID: 670-18526-G-1 MS
Matrix: Water
Analysis Batch: 32412

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	31		5.00	36.1		mg/L		96	80 - 120

Lab Sample ID: 670-18526-G-1 MSD
Matrix: Water
Analysis Batch: 32412

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	31		5.00	36.2		mg/L		97	80 - 120	0	20

Lab Sample ID: 670-18752-1 MS
Matrix: Water
Analysis Batch: 32412

Client Sample ID: 2MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.9		5.00	9.00		mg/L		103	80 - 120

Lab Sample ID: 670-18752-1 MSD
Matrix: Water
Analysis Batch: 32412

Client Sample ID: 2MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.9		5.00	8.99		mg/L		102	80 - 120	0	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 670-32233/3-A
Matrix: Water
Analysis Batch: 32393

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 32233

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.025	U	0.050	0.025	mg/L		04/27/23 10:57	04/27/23 14:52	1
Sodium	1.0	U	2.0	1.0	mg/L		04/27/23 10:57	04/27/23 14:52	1

Lab Sample ID: LCS 670-32233/1-A
Matrix: Water
Analysis Batch: 32393

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 32233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10.0	9.52		mg/L		95	80 - 120
Sodium	10.0	10.2		mg/L		102	80 - 120

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 670-32233/2-A
Matrix: Water
Analysis Batch: 32393

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 32233

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Iron	10.0	10.7		mg/L		107	80 - 120	12	20
Sodium	10.0	10.7		mg/L		107	80 - 120	6	20

Lab Sample ID: 670-18597-1 MS
Matrix: Water
Analysis Batch: 32393

Client Sample ID: 4MW-6
Prep Type: Total Recoverable
Prep Batch: 32233

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.028	U	11.1	11.7		mg/L		105	70 - 120
Sodium	2.4		11.1	14.0		mg/L		105	70 - 120

Lab Sample ID: 670-18597-1 MSD
Matrix: Water
Analysis Batch: 32393

Client Sample ID: 4MW-6
Prep Type: Total Recoverable
Prep Batch: 32233

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Iron	0.028	U	11.1	11.8		mg/L		107	70 - 120	1	20
Sodium	2.4		11.1	14.2		mg/L		107	70 - 120	1	20

Lab Sample ID: MB 670-32410/3-A
Matrix: Water
Analysis Batch: 32584

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 32410

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.025	U	0.050	0.025	mg/L		04/28/23 10:29	04/28/23 17:29	1
Sodium	1.0	U	2.0	1.0	mg/L		04/28/23 10:29	04/28/23 17:29	1

Lab Sample ID: LCS 670-32410/1-A
Matrix: Water
Analysis Batch: 32584

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 32410

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10.0	10.8		mg/L		108	80 - 120
Sodium	10.0	10.7		mg/L		107	80 - 120

Lab Sample ID: LCSD 670-32410/2-A
Matrix: Water
Analysis Batch: 32584

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 32410

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Iron	10.0	10.8		mg/L		108	80 - 120	0	20
Sodium	10.0	10.6		mg/L		106	80 - 120	1	20

Lab Sample ID: 670-18662-A-1-A MS
Matrix: Water
Analysis Batch: 32584

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 32410

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.82		11.1	12.6		mg/L		106	70 - 120
Sodium	17		11.1	28.3		mg/L		104	70 - 120

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 6010D - Metals (ICP)

Lab Sample ID: 670-18662-A-1-B MSD
Matrix: Water
Analysis Batch: 32584

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 32410

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Iron	0.82		11.1	12.7		mg/L		107	70 - 120	0	20
Sodium	17		11.1	28.3		mg/L		104	70 - 120	0	20

Lab Sample ID: MB 670-32531/3-A
Matrix: Water
Analysis Batch: 32798

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 32531

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Iron	0.025	U	0.050	0.025	mg/L		04/29/23 09:30	05/01/23 14:38	1
Sodium	1.0	U	2.0	1.0	mg/L		04/29/23 09:30	05/01/23 14:38	1

Lab Sample ID: LCS 670-32531/1-A
Matrix: Water
Analysis Batch: 32798

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 32531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Iron	10.0	10.5		mg/L		105	80 - 120
Sodium	10.0	10.7		mg/L		107	80 - 120

Lab Sample ID: LCSD 670-32531/2-A
Matrix: Water
Analysis Batch: 32798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 32531

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD	Limit
							Limits		
Iron	10.0	9.31		mg/L		93	80 - 120	12	20
Sodium	10.0	9.98		mg/L		100	80 - 120	7	20

Lab Sample ID: 670-18752-4 MS
Matrix: Water
Analysis Batch: 32798

Client Sample ID: 4MW-21
Prep Type: Total Recoverable
Prep Batch: 32531

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Iron	0.028	U	11.1	10.7		mg/L		96	70 - 120		
Sodium	5.6		11.1	16.4		mg/L		98	70 - 120		

Lab Sample ID: 670-18752-4 MSD
Matrix: Water
Analysis Batch: 32798

Client Sample ID: 4MW-21
Prep Type: Total Recoverable
Prep Batch: 32531

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Iron	0.028	U	11.1	11.7		mg/L		105	70 - 120	9	20
Sodium	5.6		11.1	17.4		mg/L		106	70 - 120	5	20

QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 670-32234/3-A
Matrix: Water
Analysis Batch: 32425

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 32234

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.0010	U	0.0020	0.0010	mg/L		04/27/23 11:01	04/27/23 19:18	1
Arsenic	0.0020	U	0.0040	0.0020	mg/L		04/27/23 11:01	04/27/23 19:18	1
Barium	0.0020	U	0.0040	0.0020	mg/L		04/27/23 11:01	04/27/23 19:18	1
Beryllium	0.00050	U	0.0010	0.00050	mg/L		04/27/23 11:01	04/27/23 19:18	1
Cadmium	0.0010	U	0.0020	0.0010	mg/L		04/27/23 11:01	04/27/23 19:18	1
Chromium	0.0010	U	0.0020	0.0010	mg/L		04/27/23 11:01	04/27/23 19:18	1
Cobalt	0.0010	U	0.0020	0.0010	mg/L		04/27/23 11:01	04/27/23 19:18	1
Copper	0.0010	U	0.0020	0.0010	mg/L		04/27/23 11:01	04/27/23 19:18	1
Lead	0.0010	U	0.0020	0.0010	mg/L		04/27/23 11:01	04/27/23 19:18	1
Nickel	0.0020	U	0.0040	0.0020	mg/L		04/27/23 11:01	04/27/23 19:18	1
Selenium	0.0020	U	0.0040	0.0020	mg/L		04/27/23 11:01	04/27/23 19:18	1
Silver	0.00050	U	0.0010	0.00050	mg/L		04/27/23 11:01	04/27/23 19:18	1
Thallium	0.00050	U	0.0010	0.00050	mg/L		04/27/23 11:01	04/27/23 19:18	1
Vanadium	0.0010	U	0.0020	0.0010	mg/L		04/27/23 11:01	04/27/23 19:18	1
Zinc	0.0020	U	0.0040	0.0020	mg/L		04/27/23 11:01	04/27/23 19:18	1

Lab Sample ID: LCS 670-32234/1-A
Matrix: Water
Analysis Batch: 32425

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 32234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0952		mg/L		95	80 - 120
Barium	0.100	0.102		mg/L		102	80 - 120
Beryllium	0.100	0.0962		mg/L		96	80 - 120
Cadmium	0.100	0.0998		mg/L		100	80 - 120
Chromium	0.100	0.0984		mg/L		98	80 - 120
Cobalt	0.100	0.0996		mg/L		100	80 - 120
Copper	0.100	0.0986		mg/L		99	80 - 120
Lead	0.100	0.101		mg/L		101	80 - 120
Nickel	0.100	0.0958		mg/L		96	80 - 120
Selenium	0.100	0.0955		mg/L		95	80 - 120
Silver	0.100	0.0966		mg/L		97	80 - 120
Thallium	0.100	0.0930		mg/L		93	80 - 120
Vanadium	0.100	0.0977		mg/L		98	80 - 120
Zinc	0.100	0.101		mg/L		101	80 - 120

Lab Sample ID: LCSD 670-32234/2-A
Matrix: Water
Analysis Batch: 32425

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 32234

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Antimony	0.100	0.0924		mg/L		92	80 - 120	1	20
Arsenic	0.100	0.0975		mg/L		98	80 - 120	2	20
Barium	0.100	0.102		mg/L		102	80 - 120	0	20
Beryllium	0.100	0.0947		mg/L		95	80 - 120	2	20
Cadmium	0.100	0.101		mg/L		101	80 - 120	1	20
Chromium	0.100	0.0972		mg/L		97	80 - 120	1	20
Cobalt	0.100	0.0985		mg/L		99	80 - 120	1	20

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 670-32234/2-A
Matrix: Water
Analysis Batch: 32425

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 32234

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	0.100	0.0958		mg/L		96	80 - 120	3	20
Lead	0.100	0.0998		mg/L		100	80 - 120	1	20
Nickel	0.100	0.0947		mg/L		95	80 - 120	1	20
Selenium	0.100	0.0989		mg/L		99	80 - 120	3	20
Silver	0.100	0.0993		mg/L		99	80 - 120	3	20
Thallium	0.100	0.0926		mg/L		93	80 - 120	0	20
Vanadium	0.100	0.0965		mg/L		96	80 - 120	1	20
Zinc	0.100	0.102		mg/L		102	80 - 120	1	20

Lab Sample ID: 670-18597-1 MS
Matrix: Water
Analysis Batch: 32425

Client Sample ID: 4MW-6
Prep Type: Total Recoverable
Prep Batch: 32234

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.0011	U	0.111	0.106		mg/L		95	75 - 125		
Arsenic	0.0022	U	0.111	0.109		mg/L		98	75 - 125		
Barium	0.0053		0.111	0.120		mg/L		103	75 - 125		
Beryllium	0.00056	U	0.111	0.109		mg/L		98	75 - 125		
Cadmium	0.0011	U	0.111	0.114		mg/L		102	75 - 125		
Chromium	0.0011	U	0.111	0.112		mg/L		101	75 - 125		
Cobalt	0.0011	U	0.111	0.112		mg/L		101	75 - 125		
Copper	0.0019	I	0.111	0.112		mg/L		99	75 - 125		
Lead	0.0011	U	0.111	0.113		mg/L		102	75 - 125		
Nickel	0.0022	U	0.111	0.109		mg/L		98	75 - 125		
Selenium	0.0022	U	0.111	0.110		mg/L		99	75 - 125		
Silver	0.00056	U	0.111	0.109		mg/L		98	75 - 125		
Thallium	0.00056	U	0.111	0.106		mg/L		95	75 - 125		
Vanadium	0.0041		0.111	0.116		mg/L		101	75 - 125		
Zinc	0.0022	U	0.111	0.117		mg/L		106	75 - 125		

Lab Sample ID: 670-18597-1 MSD
Matrix: Water
Analysis Batch: 32425

Client Sample ID: 4MW-6
Prep Type: Total Recoverable
Prep Batch: 32234

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.0011	U	0.111	0.103		mg/L		93	75 - 125	2	20
Arsenic	0.0022	U	0.111	0.107		mg/L		97	75 - 125	2	20
Barium	0.0053		0.111	0.118		mg/L		101	75 - 125	2	20
Beryllium	0.00056	U	0.111	0.108		mg/L		97	75 - 125	1	20
Cadmium	0.0011	U	0.111	0.111		mg/L		100	75 - 125	3	20
Chromium	0.0011	U	0.111	0.109		mg/L		98	75 - 125	2	20
Cobalt	0.0011	U	0.111	0.107		mg/L		96	75 - 125	5	20
Copper	0.0019	I	0.111	0.107		mg/L		94	75 - 125	5	20
Lead	0.0011	U	0.111	0.110		mg/L		99	75 - 125	3	20
Nickel	0.0022	U	0.111	0.103		mg/L		93	75 - 125	6	20
Selenium	0.0022	U	0.111	0.109		mg/L		98	75 - 125	0	20
Silver	0.00056	U	0.111	0.106		mg/L		95	75 - 125	3	20
Thallium	0.00056	U	0.111	0.102		mg/L		92	75 - 125	3	20
Vanadium	0.0041		0.111	0.110		mg/L		95	75 - 125	5	20

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 670-18597-1 MSD
Matrix: Water
Analysis Batch: 32425

Client Sample ID: 4MW-6
Prep Type: Total Recoverable
Prep Batch: 32234

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	0.0022	U	0.111	0.111		mg/L		100	75 - 125	5	20

Lab Sample ID: MB 670-32411/3-A
Matrix: Water
Analysis Batch: 32653

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 32411

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.0	U	2.0	1.0	ug/L		04/28/23 10:30	04/28/23 19:10	1
Arsenic	2.0	U	4.0	2.0	ug/L		04/28/23 10:30	04/28/23 19:10	1
Barium	2.0	U	4.0	2.0	ug/L		04/28/23 10:30	04/28/23 19:10	1
Beryllium	0.50	U	1.0	0.50	ug/L		04/28/23 10:30	04/28/23 19:10	1
Cadmium	1.0	U	2.0	1.0	ug/L		04/28/23 10:30	04/28/23 19:10	1
Chromium	1.0	U	2.0	1.0	ug/L		04/28/23 10:30	04/28/23 19:10	1
Cobalt	1.0	U	2.0	1.0	ug/L		04/28/23 10:30	04/28/23 19:10	1
Copper	1.0	U	2.0	1.0	ug/L		04/28/23 10:30	04/28/23 19:10	1
Lead	1.0	U	2.0	1.0	ug/L		04/28/23 10:30	04/28/23 19:10	1
Nickel	2.0	U	4.0	2.0	ug/L		04/28/23 10:30	04/28/23 19:10	1
Selenium	2.0	U	4.0	2.0	ug/L		04/28/23 10:30	04/28/23 19:10	1
Silver	0.50	U	1.0	0.50	ug/L		04/28/23 10:30	04/28/23 19:10	1
Thallium	0.50	U	1.0	0.50	ug/L		04/28/23 10:30	04/28/23 19:10	1
Vanadium	1.0	U	2.0	1.0	ug/L		04/28/23 10:30	04/28/23 19:10	1
Zinc	2.0	U	4.0	2.0	ug/L		04/28/23 10:30	04/28/23 19:10	1

Lab Sample ID: LCS 670-32411/1-A
Matrix: Water
Analysis Batch: 32653

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 32411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	100	98.3		ug/L		98	80 - 120
Arsenic	100	106		ug/L		106	80 - 120
Barium	100	106		ug/L		106	80 - 120
Beryllium	100	98.5		ug/L		99	80 - 120
Cadmium	100	102		ug/L		102	80 - 120
Chromium	100	105		ug/L		105	80 - 120
Cobalt	100	104		ug/L		104	80 - 120
Copper	100	101		ug/L		101	80 - 120
Lead	100	99.5		ug/L		99	80 - 120
Nickel	100	109		ug/L		109	80 - 120
Selenium	100	105		ug/L		105	80 - 120
Silver	100	97.3		ug/L		97	80 - 120
Thallium	100	92.5		ug/L		93	80 - 120
Vanadium	100	104		ug/L		104	80 - 120
Zinc	100	103		ug/L		103	80 - 120

QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 670-32411/2-A
Matrix: Water
Analysis Batch: 32653

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 32411

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Antimony	100	95.8		ug/L		96	80 - 120	3	20	
Arsenic	100	103		ug/L		103	80 - 120	3	20	
Barium	100	103		ug/L		103	80 - 120	3	20	
Beryllium	100	94.4		ug/L		94	80 - 120	4	20	
Cadmium	100	98.6		ug/L		99	80 - 120	3	20	
Chromium	100	101		ug/L		101	80 - 120	3	20	
Cobalt	100	101		ug/L		101	80 - 120	3	20	
Copper	100	98.9		ug/L		99	80 - 120	2	20	
Lead	100	96.9		ug/L		97	80 - 120	3	20	
Nickel	100	105		ug/L		105	80 - 120	4	20	
Selenium	100	98.2		ug/L		98	80 - 120	7	20	
Silver	100	95.1		ug/L		95	80 - 120	2	20	
Thallium	100	90.6		ug/L		91	80 - 120	2	20	
Vanadium	100	101		ug/L		101	80 - 120	3	20	
Zinc	100	100		ug/L		100	80 - 120	3	20	

Lab Sample ID: 670-18662-A-1-D MS
Matrix: Water
Analysis Batch: 32653

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 32411

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Antimony	1.1	U	111	106		ug/L		95	75 - 125			
Arsenic	2.2	U	111	115		ug/L		104	75 - 125			
Barium	71		111	180		ug/L		98	75 - 125			
Beryllium	0.56	U	111	106		ug/L		95	75 - 125			
Cadmium	1.1	U	111	109		ug/L		98	75 - 125			
Chromium	5.4		111	116		ug/L		100	75 - 125			
Cobalt	1.9	I	111	110		ug/L		97	75 - 125			
Copper	3.9		111	110		ug/L		95	75 - 125			
Lead	1.1	U	111	103		ug/L		93	75 - 125			
Nickel	2.2	U	111	111		ug/L		100	75 - 125			
Selenium	2.2	U	111	107		ug/L		97	75 - 125			
Silver	0.56	U	111	103		ug/L		93	75 - 125			
Thallium	0.56	U	111	97.3		ug/L		88	75 - 125			
Vanadium	1.1	U	111	111		ug/L		100	75 - 125			
Zinc	5.6		111	114		ug/L		97	75 - 125			

Lab Sample ID: 670-18662-A-1-E MSD
Matrix: Water
Analysis Batch: 32653

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 32411

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Antimony	1.1	U	111	109		ug/L		98	75 - 125	3	20	
Arsenic	2.2	U	111	117		ug/L		105	75 - 125	2	20	
Barium	71		111	187		ug/L		104	75 - 125	3	20	
Beryllium	0.56	U	111	113		ug/L		102	75 - 125	7	20	
Cadmium	1.1	U	111	113		ug/L		101	75 - 125	3	20	
Chromium	5.4		111	117		ug/L		100	75 - 125	1	20	
Cobalt	1.9	I	111	112		ug/L		99	75 - 125	2	20	

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 670-18662-A-1-E MSD
Matrix: Water
Analysis Batch: 32653

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 32411

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Copper	3.9		111	111		ug/L		96	75 - 125	1	20
Lead	1.1	U	111	106		ug/L		95	75 - 125	3	20
Nickel	2.2	U	111	113		ug/L		102	75 - 125	2	20
Selenium	2.2	U	111	110		ug/L		99	75 - 125	3	20
Silver	0.56	U	111	107		ug/L		96	75 - 125	3	20
Thallium	0.56	U	111	100		ug/L		90	75 - 125	3	20
Vanadium	1.1	U	111	113		ug/L		102	75 - 125	2	20
Zinc	5.6		111	117		ug/L		100	75 - 125	3	20

Lab Sample ID: MB 670-32532/3-A
Matrix: Water
Analysis Batch: 32710

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 32532

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Antimony	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Arsenic	0.0020	U	0.0040	0.0020	mg/L		04/29/23 09:32	05/01/23 14:09	1
Arsenic	0.0020	U	0.0040	0.0020	mg/L		04/29/23 09:32	05/01/23 14:09	1
Barium	0.0020	U	0.0040	0.0020	mg/L		04/29/23 09:32	05/01/23 14:09	1
Barium	0.0020	U	0.0040	0.0020	mg/L		04/29/23 09:32	05/01/23 14:09	1
Beryllium	0.00050	U	0.0010	0.00050	mg/L		04/29/23 09:32	05/01/23 14:09	1
Beryllium	0.00050	U	0.0010	0.00050	mg/L		04/29/23 09:32	05/01/23 14:09	1
Cadmium	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Cadmium	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Chromium	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Chromium	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Cobalt	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Cobalt	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Copper	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Copper	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Lead	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Lead	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Nickel	0.0020	U	0.0040	0.0020	mg/L		04/29/23 09:32	05/01/23 14:09	1
Nickel	0.0020	U	0.0040	0.0020	mg/L		04/29/23 09:32	05/01/23 14:09	1
Selenium	0.0020	U	0.0040	0.0020	mg/L		04/29/23 09:32	05/01/23 14:09	1
Selenium	0.0020	U	0.0040	0.0020	mg/L		04/29/23 09:32	05/01/23 14:09	1
Silver	0.00050	U	0.0010	0.00050	mg/L		04/29/23 09:32	05/01/23 14:09	1
Silver	0.00050	U	0.0010	0.00050	mg/L		04/29/23 09:32	05/01/23 14:09	1
Thallium	0.00050	U	0.0010	0.00050	mg/L		04/29/23 09:32	05/01/23 14:09	1
Thallium	0.00050	U	0.0010	0.00050	mg/L		04/29/23 09:32	05/01/23 14:09	1
Vanadium	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Vanadium	0.0010	U	0.0020	0.0010	mg/L		04/29/23 09:32	05/01/23 14:09	1
Zinc	0.0020	U	0.0040	0.0020	mg/L		04/29/23 09:32	05/01/23 14:09	1
Zinc	0.0020	U	0.0040	0.0020	mg/L		04/29/23 09:32	05/01/23 14:09	1

QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 670-32532/1-A
Matrix: Water
Analysis Batch: 32710

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 32532

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.100	0.0963		mg/L		96	80 - 120
Antimony	0.100	0.0963		mg/L		96	80 - 120
Arsenic	0.100	0.102		mg/L		102	80 - 120
Arsenic	0.100	0.102		mg/L		102	80 - 120
Barium	0.100	0.100		mg/L		100	80 - 120
Barium	0.100	0.100		mg/L		100	80 - 120
Beryllium	0.100	0.104		mg/L		104	80 - 120
Beryllium	0.100	0.100		mg/L		100	80 - 120
Cadmium	0.100	0.0930		mg/L		93	80 - 120
Cadmium	0.100	0.0930		mg/L		93	80 - 120
Chromium	0.100	0.0983		mg/L		98	80 - 120
Chromium	0.100	0.0983		mg/L		98	80 - 120
Cobalt	0.100	0.103		mg/L		103	80 - 120
Cobalt	0.100	0.103		mg/L		103	80 - 120
Copper	0.100	0.0979		mg/L		98	80 - 120
Copper	0.100	0.0956		mg/L		96	80 - 120
Lead	0.100	0.102		mg/L		102	80 - 120
Lead	0.100	0.102		mg/L		102	80 - 120
Nickel	0.100	0.102		mg/L		102	80 - 120
Nickel	0.100	0.102		mg/L		102	80 - 120
Selenium	0.100	0.0931		mg/L		93	80 - 120
Selenium	0.100	0.0931		mg/L		93	80 - 120
Silver	0.100	0.0921		mg/L		92	80 - 120
Silver	0.100	0.0921		mg/L		92	80 - 120
Thallium	0.100	0.0991		mg/L		99	80 - 120
Thallium	0.100	0.0991		mg/L		99	80 - 120
Vanadium	0.100	0.0979		mg/L		98	80 - 120
Vanadium	0.100	0.0979		mg/L		98	80 - 120
Zinc	0.100	0.101		mg/L		101	80 - 120
Zinc	0.100	0.101		mg/L		101	80 - 120

Lab Sample ID: LCSD 670-32532/2-A
Matrix: Water
Analysis Batch: 32710

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 32532

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.100	0.100		mg/L		100	80 - 120	4	20
Antimony	0.100	0.100		mg/L		100	80 - 120	4	20
Arsenic	0.100	0.105		mg/L		105	80 - 120	3	20
Arsenic	0.100	0.105		mg/L		105	80 - 120	3	20
Barium	0.100	0.105		mg/L		105	80 - 120	4	20
Barium	0.100	0.105		mg/L		105	80 - 120	4	20
Beryllium	0.100	0.109		mg/L		109	80 - 120	4	20
Beryllium	0.100	0.104		mg/L		104	80 - 120	3	20
Cadmium	0.100	0.0956		mg/L		96	80 - 120	3	20
Cadmium	0.100	0.0956		mg/L		96	80 - 120	3	20
Chromium	0.100	0.101		mg/L		101	80 - 120	3	20
Chromium	0.100	0.101		mg/L		101	80 - 120	3	20
Cobalt	0.100	0.108		mg/L		108	80 - 120	4	20

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 670-32532/2-A
Matrix: Water
Analysis Batch: 32803

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 32532

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	0.100	0.108		mg/L		108	80 - 120	4	20
Copper	0.100	0.102		mg/L		102	80 - 120	4	20
Copper	0.100	0.0991		mg/L		99	80 - 120	4	20
Lead	0.100	0.105		mg/L		105	80 - 120	3	20
Lead	0.100	0.105		mg/L		105	80 - 120	3	20
Nickel	0.100	0.106		mg/L		106	80 - 120	4	20
Nickel	0.100	0.106		mg/L		106	80 - 120	4	20
Selenium	0.100	0.0994		mg/L		99	80 - 120	7	20
Selenium	0.100	0.0994		mg/L		99	80 - 120	7	20
Silver	0.100	0.0954		mg/L		95	80 - 120	4	20
Silver	0.100	0.0954		mg/L		95	80 - 120	4	20
Thallium	0.100	0.102		mg/L		102	80 - 120	3	20
Thallium	0.100	0.102		mg/L		102	80 - 120	3	20
Vanadium	0.100	0.102		mg/L		102	80 - 120	4	20
Vanadium	0.100	0.102		mg/L		102	80 - 120	4	20
Zinc	0.100	0.104		mg/L		104	80 - 120	3	20
Zinc	0.100	0.104		mg/L		104	80 - 120	3	20

Lab Sample ID: 670-18752-4 MS
Matrix: Water
Analysis Batch: 32710

Client Sample ID: 4MW-21
Prep Type: Total Recoverable
Prep Batch: 32532

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0011	U	0.111	0.113		mg/L		101	75 - 125
Antimony	0.0011	U	0.111	0.113		mg/L		101	75 - 125
Arsenic	0.0022	U	0.111	0.119		mg/L		107	75 - 125
Arsenic	0.0022	U	0.111	0.119		mg/L		107	75 - 125
Barium	0.0093		0.111	0.127		mg/L		106	75 - 125
Barium	0.0093		0.111	0.127		mg/L		106	75 - 125
Beryllium	0.00056	U	0.111	0.124		mg/L		111	75 - 125
Beryllium	0.00056	U	0.111	0.122		mg/L		110	75 - 125
Cadmium	0.0011	I	0.111	0.110		mg/L		98	75 - 125
Cadmium	0.0011	I	0.111	0.110		mg/L		98	75 - 125
Chromium	0.0011	U	0.111	0.112		mg/L		101	75 - 125
Chromium	0.0011	U	0.111	0.112		mg/L		101	75 - 125
Cobalt	0.0012	I	0.111	0.120		mg/L		107	75 - 125
Cobalt	0.0012	I	0.111	0.120		mg/L		107	75 - 125
Copper	0.0011	U	0.111	0.111		mg/L		100	75 - 125
Copper	0.0011	U	0.111	0.112		mg/L		101	75 - 125
Lead	0.0011	U	0.111	0.116		mg/L		105	75 - 125
Lead	0.0011	U	0.111	0.116		mg/L		105	75 - 125
Nickel	0.0022	U	0.111	0.117		mg/L		105	75 - 125
Nickel	0.0022	U	0.111	0.117		mg/L		105	75 - 125
Selenium	0.0022	U	0.111	0.109		mg/L		98	75 - 125
Selenium	0.0022	U	0.111	0.109		mg/L		98	75 - 125
Silver	0.00056	U	0.111	0.106		mg/L		95	75 - 125
Silver	0.00056	U	0.111	0.106		mg/L		95	75 - 125
Thallium	0.00056	U	0.111	0.115		mg/L		104	75 - 125
Thallium	0.00056	U	0.111	0.115		mg/L		104	75 - 125

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 670-18752-4 MS
Matrix: Water
Analysis Batch: 32710

Client Sample ID: 4MW-21
Prep Type: Total Recoverable
Prep Batch: 32532

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	0.0017	I	0.111	0.115		mg/L		102	75 - 125
Vanadium	0.0017	I	0.111	0.115		mg/L		102	75 - 125
Zinc	0.0022	U	0.111	0.117		mg/L		105	75 - 125
Zinc	0.0022	U	0.111	0.117		mg/L		105	75 - 125

Lab Sample ID: 670-18752-4 MSD
Matrix: Water
Analysis Batch: 32710

Client Sample ID: 4MW-21
Prep Type: Total Recoverable
Prep Batch: 32532

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.0011	U	0.111	0.109		mg/L		98	75 - 125	3	20
Antimony	0.0011	U	0.111	0.109		mg/L		98	75 - 125	3	20
Arsenic	0.0022	U	0.111	0.116		mg/L		104	75 - 125	3	20
Arsenic	0.0022	U	0.111	0.116		mg/L		104	75 - 125	3	20
Barium	0.0093		0.111	0.123		mg/L		102	75 - 125	3	20
Barium	0.0093		0.111	0.123		mg/L		102	75 - 125	3	20
Beryllium	0.00056	U	0.111	0.119		mg/L		107	75 - 125	4	20
Beryllium	0.00056	U	0.111	0.117		mg/L		106	75 - 125	4	20
Cadmium	0.0011	I	0.111	0.106		mg/L		95	75 - 125	3	20
Cadmium	0.0011	I	0.111	0.106		mg/L		95	75 - 125	3	20
Chromium	0.0011	U	0.111	0.110		mg/L		99	75 - 125	2	20
Chromium	0.0011	U	0.111	0.110		mg/L		99	75 - 125	2	20
Cobalt	0.0012	I	0.111	0.114		mg/L		102	75 - 125	5	20
Cobalt	0.0012	I	0.111	0.114		mg/L		102	75 - 125	5	20
Copper	0.0011	U	0.111	0.107		mg/L		97	75 - 125	4	20
Copper	0.0011	U	0.111	0.107		mg/L		97	75 - 125	4	20
Lead	0.0011	U	0.111	0.113		mg/L		102	75 - 125	3	20
Lead	0.0011	U	0.111	0.113		mg/L		102	75 - 125	3	20
Nickel	0.0022	U	0.111	0.114		mg/L		102	75 - 125	3	20
Nickel	0.0022	U	0.111	0.114		mg/L		102	75 - 125	3	20
Selenium	0.0022	U	0.111	0.107		mg/L		96	75 - 125	2	20
Selenium	0.0022	U	0.111	0.107		mg/L		96	75 - 125	2	20
Silver	0.00056	U	0.111	0.103		mg/L		93	75 - 125	3	20
Silver	0.00056	U	0.111	0.103		mg/L		93	75 - 125	3	20
Thallium	0.00056	U	0.111	0.111		mg/L		100	75 - 125	4	20
Thallium	0.00056	U	0.111	0.111		mg/L		100	75 - 125	4	20
Vanadium	0.0017	I	0.111	0.112		mg/L		99	75 - 125	3	20
Vanadium	0.0017	I	0.111	0.112		mg/L		99	75 - 125	3	20
Zinc	0.0022	U	0.111	0.113		mg/L		102	75 - 125	3	20
Zinc	0.0022	U	0.111	0.113		mg/L		102	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 670-32080/12-A
Matrix: Water
Analysis Batch: 32307

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32080

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		04/26/23 16:20	04/27/23 10:28	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 670-32080/10-A
Matrix: Water
Analysis Batch: 32307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00253		mg/L		101	85 - 115

Lab Sample ID: LCSD 670-32080/11-A
Matrix: Water
Analysis Batch: 32307

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32080

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	0.00250	0.00245		mg/L		98	85 - 115	3	20

Lab Sample ID: 670-18600-C-1-A MS
Matrix: Water
Analysis Batch: 32307

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 32080

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00020	U	0.00250	0.00279		mg/L		112	80 - 120

Lab Sample ID: 670-18600-C-1-B MSD
Matrix: Water
Analysis Batch: 32307

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 32080

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	0.00020	U	0.00250	0.00296		mg/L		118	80 - 120	6	20

Lab Sample ID: MB 670-32395/12-A
Matrix: Water
Analysis Batch: 32486

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32395

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.40	0.20	ug/L		04/28/23 09:13	04/28/23 14:38	1

Lab Sample ID: LCS 670-32395/10-A
Matrix: Water
Analysis Batch: 32486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32395

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.35		ug/L		94	85 - 115

Lab Sample ID: LCSD 670-32395/11-A
Matrix: Water
Analysis Batch: 32486

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32395

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	2.50	2.40		ug/L		96	85 - 115	2	20

Lab Sample ID: 670-18661-1 MS
Matrix: Water
Analysis Batch: 32486

Client Sample ID: 2MW-24D
Prep Type: Total/NA
Prep Batch: 32395

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	2.50	2.69		ug/L		108	80 - 120

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 670-18661-1 MSD
Matrix: Water
Analysis Batch: 32486

Client Sample ID: 2MW-24D
Prep Type: Total/NA
Prep Batch: 32395

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	2.50	2.91		ug/L		116	80 - 120	8	20

Lab Sample ID: MB 670-32776/12-A
Matrix: Water
Analysis Batch: 33051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32776

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		05/02/23 08:34	05/03/23 09:13	1

Lab Sample ID: LCS 670-32776/10-A
Matrix: Water
Analysis Batch: 33051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00252		mg/L		101	85 - 115

Lab Sample ID: LCSD 670-32776/11-A
Matrix: Water
Analysis Batch: 33051

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32776

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00250	0.00251		mg/L		100	85 - 115	0	20

Lab Sample ID: 670-18752-4 MS
Matrix: Water
Analysis Batch: 33051

Client Sample ID: 4MW-21
Prep Type: Total/NA
Prep Batch: 32776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00020	U	0.00250	0.00289		mg/L		116	80 - 120

Lab Sample ID: 670-18752-4 MSD
Matrix: Water
Analysis Batch: 33051

Client Sample ID: 4MW-21
Prep Type: Total/NA
Prep Batch: 32776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00020	U	0.00250	0.00283		mg/L		113	80 - 120	2	20

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia

Lab Sample ID: MB 670-32245/42
Matrix: Water
Analysis Batch: 32245

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	0.014	U	0.020	0.014	mg/L			04/26/23 19:46	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MB 670-32245/69
Matrix: Water
Analysis Batch: 32245

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	0.014	U	0.020	0.014	mg/L			04/26/23 20:11	1

Lab Sample ID: LCS 670-32245/68
Matrix: Water
Analysis Batch: 32245

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.500	0.510		mg/L		102	90 - 110

Lab Sample ID: LCSD 670-32245/70
Matrix: Water
Analysis Batch: 32245

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia (as N)	0.500	0.500		mg/L		100	90 - 110	2	20

Lab Sample ID: MB 670-32446/13
Matrix: Water
Analysis Batch: 32446

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	0.014	U	0.020	0.014	mg/L			04/28/23 11:16	1

Lab Sample ID: MB 670-32446/42
Matrix: Water
Analysis Batch: 32446

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	0.014	U	0.020	0.014	mg/L			04/28/23 11:43	1

Lab Sample ID: LCS 670-32446/12
Matrix: Water
Analysis Batch: 32446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.500	0.473		mg/L		95	90 - 110

Lab Sample ID: LCS 670-32446/41
Matrix: Water
Analysis Batch: 32446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.500	0.479		mg/L		96	90 - 110

Lab Sample ID: LCSD 670-32446/16
Matrix: Water
Analysis Batch: 32446

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia (as N)	0.500	0.490		mg/L		98	90 - 110	4	20

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia

Lab Sample ID: LCSD 670-32446/43
Matrix: Water
Analysis Batch: 32446

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia (as N)	0.500	0.483		mg/L		97	90 - 110	1	20

Lab Sample ID: MB 670-32522/4
Matrix: Water
Analysis Batch: 32522

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	0.014	U	0.020	0.014	mg/L			04/28/23 16:41	1

Lab Sample ID: LCS 670-32522/3
Matrix: Water
Analysis Batch: 32522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.500	0.467		mg/L		93	90 - 110

Lab Sample ID: LCSD 670-32522/7
Matrix: Water
Analysis Batch: 32522

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia (as N)	0.500	0.464		mg/L		93	90 - 110	1	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 670-32295/1
Matrix: Water
Analysis Batch: 32295

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/27/23 15:19	1

Lab Sample ID: LCS 670-32295/2
Matrix: Water
Analysis Batch: 32295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1500	1200		mg/L		80	80 - 120

Lab Sample ID: 670-18597-1 DU
Matrix: Water
Analysis Batch: 32295

Client Sample ID: 4MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	14		16.0		mg/L		13	20

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 670-32547/1
Matrix: Water
Analysis Batch: 32547

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/29/23 15:35	1

Lab Sample ID: LCS 670-32547/2
Matrix: Water
Analysis Batch: 32547

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1500	1450		mg/L		97	80 - 120

Lab Sample ID: 670-18661-9 DU
Matrix: Water
Analysis Batch: 32547

Client Sample ID: 4MW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	110		120		mg/L		5	20

Lab Sample ID: MB 670-32549/1
Matrix: Water
Analysis Batch: 32549

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/29/23 15:45	1

Lab Sample ID: LCS 670-32549/2
Matrix: Water
Analysis Batch: 32549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1500	1430		mg/L		96	80 - 120

Lab Sample ID: 670-18752-1 DU
Matrix: Water
Analysis Batch: 32549

Client Sample ID: 2MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	14		12.0		mg/L		15	20

QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

GC/MS VOA

Analysis Batch: 32955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-1	4MW-6	Total/NA	Water	8260D	
670-18597-2	4MW-4	Total/NA	Water	8260D	
670-18597-3	2MW-27D	Total/NA	Water	8260D	
670-18597-4	4MW-27	Total/NA	Water	8260D	
670-18597-5	4MW-27D	Total/NA	Water	8260D	
670-18597-6	2MW-15DA	Total/NA	Water	8260D	
670-18597-7	2MW-24S	Total/NA	Water	8260D	
MB 670-32955/6	Method Blank	Total/NA	Water	8260D	
LCS 670-32955/4	Lab Control Sample	Total/NA	Water	8260D	
670-18597-2 MS	4MW-4	Total/NA	Water	8260D	
670-18597-1 DU	4MW-6	Total/NA	Water	8260D	

Analysis Batch: 32961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-1	2MW-24D	Total/NA	Water	8260D	
670-18661-2	2MW-25D	Total/NA	Water	8260D	
670-18661-3	2MW-26D	Total/NA	Water	8260D	
670-18661-4	4MW-23	Total/NA	Water	8260D	
MB 670-32961/7	Method Blank	Total/NA	Water	8260D	
LCS 670-32961/4	Lab Control Sample	Total/NA	Water	8260D	
670-18626-F-4 MS	Matrix Spike	Total/NA	Water	8260D	
670-18928-D-1 DU - DL	Duplicate	Total/NA	Water	8260D	

Analysis Batch: 32975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-5	Equipment Blank	Total/NA	Water	8260D	
670-18661-6	Duplicate 1	Total/NA	Water	8260D	
670-18661-7	4MW-11D	Total/NA	Water	8260D	
670-18661-8	2MW-18D	Total/NA	Water	8260D	
670-18661-9	4MW-3A	Total/NA	Water	8260D	
670-18661-10	4MW-5	Total/NA	Water	8260D	
MB 670-32975/8	Method Blank	Total/NA	Water	8260D	
LCS 670-32975/5	Lab Control Sample	Total/NA	Water	8260D	
670-18759-C-22 MS	Matrix Spike	Total/NA	Water	8260D	
670-18759-A-21 DU	Duplicate	Total/NA	Water	8260D	

Analysis Batch: 33078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18752-1	2MW-2	Total/NA	Water	8260D	
670-18752-2	2MW-19D	Total/NA	Water	8260D	
670-18752-3	4MW-22	Total/NA	Water	8260D	
670-18752-4	4MW-21	Total/NA	Water	8260D	
670-18752-5	4MW-14D	Total/NA	Water	8260D	
670-18752-6	4MW-2	Total/NA	Water	8260D	
670-18752-7	4MW-9	Total/NA	Water	8260D	
670-18752-8	4MW-8	Total/NA	Water	8260D	
670-18752-9	4MW-7	Total/NA	Water	8260D	
670-18752-10	4MW-12D	Total/NA	Water	8260D	
MB 670-33078/7	Method Blank	Total/NA	Water	8260D	
LCS 670-33078/4	Lab Control Sample	Total/NA	Water	8260D	
670-18752-2 MS	2MW-19D	Total/NA	Water	8260D	

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QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

GC/MS VOA (Continued)

Analysis Batch: 33078 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18752-1 DU	2MW-2	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 31958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-1	4MW-6	Total/NA	Water	300.0	
670-18597-2	4MW-4	Total/NA	Water	300.0	
670-18597-3	2MW-27D	Total/NA	Water	300.0	
670-18597-4	4MW-27	Total/NA	Water	300.0	
670-18597-5	4MW-27D	Total/NA	Water	300.0	
670-18597-6	2MW-15DA	Total/NA	Water	300.0	
670-18597-7	2MW-24S	Total/NA	Water	300.0	
MB 670-31958/6	Method Blank	Total/NA	Water	300.0	
LCS 670-31958/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 670-31958/5	Lab Control Sample Dup	Total/NA	Water	300.0	
762-1311-B-1 MS	Matrix Spike	Total/NA	Water	300.0	
762-1311-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 31959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-1	4MW-6	Total/NA	Water	300.0-1993 R2.1	
670-18597-2	4MW-4	Total/NA	Water	300.0-1993 R2.1	
670-18597-3	2MW-27D	Total/NA	Water	300.0-1993 R2.1	
670-18597-4	4MW-27	Total/NA	Water	300.0-1993 R2.1	
670-18597-5	4MW-27D	Total/NA	Water	300.0-1993 R2.1	
670-18597-6	2MW-15DA	Total/NA	Water	300.0-1993 R2.1	
670-18597-7	2MW-24S	Total/NA	Water	300.0-1993 R2.1	
MB 670-31959/53	Method Blank	Total/NA	Water	300.0-1993 R2.1	
MB 670-31959/6	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 670-31959/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCS 670-31959/51	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 670-31959/5	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
LCSD 670-31959/52	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
660-128712-E-1 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
660-128712-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 32184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-1	2MW-24D	Total/NA	Water	300.0	
670-18661-2	2MW-25D	Total/NA	Water	300.0	
670-18661-3	2MW-26D	Total/NA	Water	300.0	
670-18661-4	4MW-23	Total/NA	Water	300.0	
670-18661-5	Equipment Blank	Total/NA	Water	300.0	
670-18661-6	Duplicate 1	Total/NA	Water	300.0	
670-18661-7	4MW-11D	Total/NA	Water	300.0	
670-18661-8	2MW-18D	Total/NA	Water	300.0	
MB 670-32184/39	Method Blank	Total/NA	Water	300.0	
MB 670-32184/6	Method Blank	Total/NA	Water	300.0	
LCS 670-32184/37	Lab Control Sample	Total/NA	Water	300.0	
LCSD 670-32184/38	Lab Control Sample Dup	Total/NA	Water	300.0	

Eurofins Orlando

QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

HPLC/IC (Continued)

Analysis Batch: 32184 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-5 MS	Equipment Blank	Total/NA	Water	300.0	
670-18661-5 MSD	Equipment Blank	Total/NA	Water	300.0	

Analysis Batch: 32185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-1	2MW-24D	Total/NA	Water	300.0-1993 R2.1	
670-18661-2	2MW-25D	Total/NA	Water	300.0-1993 R2.1	
670-18661-3	2MW-26D	Total/NA	Water	300.0-1993 R2.1	
670-18661-4	4MW-23	Total/NA	Water	300.0-1993 R2.1	
670-18661-5	Equipment Blank	Total/NA	Water	300.0-1993 R2.1	
670-18661-6	Duplicate 1	Total/NA	Water	300.0-1993 R2.1	
670-18661-7	4MW-11D	Total/NA	Water	300.0-1993 R2.1	
670-18661-8	2MW-18D	Total/NA	Water	300.0-1993 R2.1	
MB 670-32185/39	Method Blank	Total/NA	Water	300.0-1993 R2.1	
MB 670-32185/6	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 670-32185/37	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 670-32185/38	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
670-18661-5 MS	Equipment Blank	Total/NA	Water	300.0-1993 R2.1	
670-18661-5 MSD	Equipment Blank	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 32189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-9	4MW-3A	Total/NA	Water	300.0	
670-18661-10	4MW-5	Total/NA	Water	300.0	
MB 670-32189/6	Method Blank	Total/NA	Water	300.0	
LCS 670-32189/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 670-32189/5	Lab Control Sample Dup	Total/NA	Water	300.0	
670-18614-B-1 MS	Matrix Spike	Total/NA	Water	300.0	
670-18614-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 32412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-9	4MW-3A	Total/NA	Water	300.0-1993 R2.1	
670-18661-10	4MW-5	Total/NA	Water	300.0-1993 R2.1	
670-18752-1	2MW-2	Total/NA	Water	300.0-1993 R2.1	
670-18752-2	2MW-19D	Total/NA	Water	300.0-1993 R2.1	
670-18752-3	4MW-22	Total/NA	Water	300.0-1993 R2.1	
670-18752-4	4MW-21	Total/NA	Water	300.0-1993 R2.1	
670-18752-5	4MW-14D	Total/NA	Water	300.0-1993 R2.1	
670-18752-6	4MW-2	Total/NA	Water	300.0-1993 R2.1	
670-18752-7	4MW-9	Total/NA	Water	300.0-1993 R2.1	
670-18752-8	4MW-8	Total/NA	Water	300.0-1993 R2.1	
670-18752-9	4MW-7	Total/NA	Water	300.0-1993 R2.1	
670-18752-10	4MW-12D	Total/NA	Water	300.0-1993 R2.1	
MB 670-32412/6	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 670-32412/1004	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 670-32412/5	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
670-18526-G-1 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
670-18526-G-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	
670-18752-1 MS	2MW-2	Total/NA	Water	300.0-1993 R2.1	
670-18752-1 MSD	2MW-2	Total/NA	Water	300.0-1993 R2.1	

Eurofins Orlando

QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

HPLC/IC

Analysis Batch: 32413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18752-1	2MW-2	Total/NA	Water	300.0	
670-18752-2	2MW-19D	Total/NA	Water	300.0	
670-18752-3	4MW-22	Total/NA	Water	300.0	
670-18752-4	4MW-21	Total/NA	Water	300.0	
670-18752-5	4MW-14D	Total/NA	Water	300.0	
670-18752-6	4MW-2	Total/NA	Water	300.0	
670-18752-7	4MW-9	Total/NA	Water	300.0	
670-18752-8	4MW-8	Total/NA	Water	300.0	
670-18752-9	4MW-7	Total/NA	Water	300.0	
670-18752-10	4MW-12D	Total/NA	Water	300.0	
MB 670-32413/6	Method Blank	Total/NA	Water	300.0	
LCS 670-32413/1004	Lab Control Sample	Total/NA	Water	300.0	
LCSD 670-32413/5	Lab Control Sample Dup	Total/NA	Water	300.0	
670-18752-1 MS	2MW-2	Total/NA	Water	300.0	
670-18752-1 MSD	2MW-2	Total/NA	Water	300.0	

Metals

Prep Batch: 32080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-1	4MW-6	Total/NA	Water	7470A	
670-18597-2	4MW-4	Total/NA	Water	7470A	
670-18597-3	2MW-27D	Total/NA	Water	7470A	
670-18597-4	4MW-27	Total/NA	Water	7470A	
670-18597-5	4MW-27D	Total/NA	Water	7470A	
670-18597-6	2MW-15DA	Total/NA	Water	7470A	
670-18597-7	2MW-24S	Total/NA	Water	7470A	
MB 670-32080/12-A	Method Blank	Total/NA	Water	7470A	
LCS 670-32080/10-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 670-32080/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	
670-18600-C-1-A MS	Matrix Spike	Total/NA	Water	7470A	
670-18600-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 32233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-1	4MW-6	Total Recoverable	Water	3005A	
670-18597-2	4MW-4	Total Recoverable	Water	3005A	
670-18597-3	2MW-27D	Total Recoverable	Water	3005A	
670-18597-4	4MW-27	Total Recoverable	Water	3005A	
670-18597-5	4MW-27D	Total Recoverable	Water	3005A	
670-18597-6	2MW-15DA	Total Recoverable	Water	3005A	
670-18597-7	2MW-24S	Total Recoverable	Water	3005A	
MB 670-32233/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-32233/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-32233/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
670-18597-1 MS	4MW-6	Total Recoverable	Water	3005A	
670-18597-1 MSD	4MW-6	Total Recoverable	Water	3005A	

Prep Batch: 32234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-1	4MW-6	Total Recoverable	Water	3005A	

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QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Metals (Continued)

Prep Batch: 32234 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-2	4MW-4	Total Recoverable	Water	3005A	
670-18597-3	2MW-27D	Total Recoverable	Water	3005A	
670-18597-4	4MW-27	Total Recoverable	Water	3005A	
670-18597-5	4MW-27D	Total Recoverable	Water	3005A	
670-18597-6	2MW-15DA	Total Recoverable	Water	3005A	
670-18597-7	2MW-24S	Total Recoverable	Water	3005A	
MB 670-32234/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-32234/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-32234/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
670-18597-1 MS	4MW-6	Total Recoverable	Water	3005A	
670-18597-1 MSD	4MW-6	Total Recoverable	Water	3005A	

Analysis Batch: 32307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-1	4MW-6	Total/NA	Water	7470A	32080
670-18597-2	4MW-4	Total/NA	Water	7470A	32080
670-18597-3	2MW-27D	Total/NA	Water	7470A	32080
670-18597-4	4MW-27	Total/NA	Water	7470A	32080
670-18597-5	4MW-27D	Total/NA	Water	7470A	32080
670-18597-6	2MW-15DA	Total/NA	Water	7470A	32080
670-18597-7	2MW-24S	Total/NA	Water	7470A	32080
MB 670-32080/12-A	Method Blank	Total/NA	Water	7470A	32080
LCS 670-32080/10-A	Lab Control Sample	Total/NA	Water	7470A	32080
LCSD 670-32080/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	32080
670-18600-C-1-A MS	Matrix Spike	Total/NA	Water	7470A	32080
670-18600-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	32080

Analysis Batch: 32393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-1	4MW-6	Total Recoverable	Water	6010D	32233
670-18597-2	4MW-4	Total Recoverable	Water	6010D	32233
670-18597-3	2MW-27D	Total Recoverable	Water	6010D	32233
670-18597-4	4MW-27	Total Recoverable	Water	6010D	32233
670-18597-5	4MW-27D	Total Recoverable	Water	6010D	32233
670-18597-6	2MW-15DA	Total Recoverable	Water	6010D	32233
670-18597-7	2MW-24S	Total Recoverable	Water	6010D	32233
MB 670-32233/3-A	Method Blank	Total Recoverable	Water	6010D	32233
LCS 670-32233/1-A	Lab Control Sample	Total Recoverable	Water	6010D	32233
LCSD 670-32233/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	32233
670-18597-1 MS	4MW-6	Total Recoverable	Water	6010D	32233
670-18597-1 MSD	4MW-6	Total Recoverable	Water	6010D	32233

Prep Batch: 32395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-1	2MW-24D	Total/NA	Water	7470A	
670-18661-2	2MW-25D	Total/NA	Water	7470A	
670-18661-3	2MW-26D	Total/NA	Water	7470A	
670-18661-4	4MW-23	Total/NA	Water	7470A	
670-18661-5	Equipment Blank	Total/NA	Water	7470A	
670-18661-6	Duplicate 1	Total/NA	Water	7470A	
670-18661-7	4MW-11D	Total/NA	Water	7470A	

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QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Metals (Continued)

Prep Batch: 32395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-8	2MW-18D	Total/NA	Water	7470A	
670-18661-9	4MW-3A	Total/NA	Water	7470A	
670-18661-10	4MW-5	Total/NA	Water	7470A	
MB 670-32395/12-A	Method Blank	Total/NA	Water	7470A	
LCS 670-32395/10-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 670-32395/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	
670-18661-1 MS	2MW-24D	Total/NA	Water	7470A	
670-18661-1 MSD	2MW-24D	Total/NA	Water	7470A	

Prep Batch: 32410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-1	2MW-24D	Total Recoverable	Water	3005A	
670-18661-2	2MW-25D	Total Recoverable	Water	3005A	
670-18661-3	2MW-26D	Total Recoverable	Water	3005A	
670-18661-4	4MW-23	Total Recoverable	Water	3005A	
670-18661-5	Equipment Blank	Total Recoverable	Water	3005A	
670-18661-6	Duplicate 1	Total Recoverable	Water	3005A	
670-18661-7	4MW-11D	Total Recoverable	Water	3005A	
670-18661-8	2MW-18D	Total Recoverable	Water	3005A	
670-18661-9	4MW-3A	Total Recoverable	Water	3005A	
670-18661-10	4MW-5	Total Recoverable	Water	3005A	
MB 670-32410/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-32410/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-32410/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
670-18662-A-1-A MS	Matrix Spike	Total Recoverable	Water	3005A	
670-18662-A-1-B MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 32411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-1	2MW-24D	Total Recoverable	Water	3005A	
670-18661-2	2MW-25D	Total Recoverable	Water	3005A	
670-18661-3	2MW-26D	Total Recoverable	Water	3005A	
670-18661-4	4MW-23	Total Recoverable	Water	3005A	
670-18661-5	Equipment Blank	Total Recoverable	Water	3005A	
670-18661-6	Duplicate 1	Total Recoverable	Water	3005A	
670-18661-7	4MW-11D	Total Recoverable	Water	3005A	
670-18661-8	2MW-18D	Total Recoverable	Water	3005A	
670-18661-9	4MW-3A	Total Recoverable	Water	3005A	
670-18661-10	4MW-5	Total Recoverable	Water	3005A	
MB 670-32411/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-32411/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-32411/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
670-18662-A-1-D MS	Matrix Spike	Total Recoverable	Water	3005A	
670-18662-A-1-E MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 32425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-1	4MW-6	Total Recoverable	Water	6020B	32234
670-18597-2	4MW-4	Total Recoverable	Water	6020B	32234
670-18597-3	2MW-27D	Total Recoverable	Water	6020B	32234
670-18597-4	4MW-27	Total Recoverable	Water	6020B	32234

Eurofins Orlando

QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Metals (Continued)

Analysis Batch: 32425 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-5	4MW-27D	Total Recoverable	Water	6020B	32234
670-18597-6	2MW-15DA	Total Recoverable	Water	6020B	32234
670-18597-7	2MW-24S	Total Recoverable	Water	6020B	32234
MB 670-32234/3-A	Method Blank	Total Recoverable	Water	6020B	32234
LCS 670-32234/1-A	Lab Control Sample	Total Recoverable	Water	6020B	32234
LCSD 670-32234/2-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	32234
670-18597-1 MS	4MW-6	Total Recoverable	Water	6020B	32234
670-18597-1 MSD	4MW-6	Total Recoverable	Water	6020B	32234

Analysis Batch: 32486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-1	2MW-24D	Total/NA	Water	7470A	32395
670-18661-2	2MW-25D	Total/NA	Water	7470A	32395
670-18661-3	2MW-26D	Total/NA	Water	7470A	32395
670-18661-4	4MW-23	Total/NA	Water	7470A	32395
670-18661-5	Equipment Blank	Total/NA	Water	7470A	32395
670-18661-6	Duplicate 1	Total/NA	Water	7470A	32395
670-18661-7	4MW-11D	Total/NA	Water	7470A	32395
670-18661-8	2MW-18D	Total/NA	Water	7470A	32395
670-18661-9	4MW-3A	Total/NA	Water	7470A	32395
670-18661-10	4MW-5	Total/NA	Water	7470A	32395
MB 670-32395/12-A	Method Blank	Total/NA	Water	7470A	32395
LCS 670-32395/10-A	Lab Control Sample	Total/NA	Water	7470A	32395
LCSD 670-32395/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	32395
670-18661-1 MS	2MW-24D	Total/NA	Water	7470A	32395
670-18661-1 MSD	2MW-24D	Total/NA	Water	7470A	32395

Prep Batch: 32531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18752-1	2MW-2	Total Recoverable	Water	3005A	
670-18752-2	2MW-19D	Total Recoverable	Water	3005A	
670-18752-3	4MW-22	Total Recoverable	Water	3005A	
670-18752-4	4MW-21	Total Recoverable	Water	3005A	
670-18752-5	4MW-14D	Total Recoverable	Water	3005A	
670-18752-6	4MW-2	Total Recoverable	Water	3005A	
670-18752-7	4MW-9	Total Recoverable	Water	3005A	
670-18752-8	4MW-8	Total Recoverable	Water	3005A	
670-18752-9	4MW-7	Total Recoverable	Water	3005A	
670-18752-10	4MW-12D	Total Recoverable	Water	3005A	
MB 670-32531/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-32531/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-32531/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
670-18752-4 MS	4MW-21	Total Recoverable	Water	3005A	
670-18752-4 MSD	4MW-21	Total Recoverable	Water	3005A	

Prep Batch: 32532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18752-1	2MW-2	Total Recoverable	Water	3005A	
670-18752-2	2MW-19D	Total Recoverable	Water	3005A	
670-18752-3	4MW-22	Total Recoverable	Water	3005A	
670-18752-4	4MW-21	Total Recoverable	Water	3005A	

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QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Metals (Continued)

Prep Batch: 32532 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18752-5	4MW-14D	Total Recoverable	Water	3005A	
670-18752-6	4MW-2	Total Recoverable	Water	3005A	
670-18752-7	4MW-9	Total Recoverable	Water	3005A	
670-18752-8	4MW-8	Total Recoverable	Water	3005A	
670-18752-9	4MW-7	Total Recoverable	Water	3005A	
670-18752-10	4MW-12D	Total Recoverable	Water	3005A	
MB 670-32532/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-32532/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-32532/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
670-18752-4 MS	4MW-21	Total Recoverable	Water	3005A	
670-18752-4 MSD	4MW-21	Total Recoverable	Water	3005A	

Analysis Batch: 32584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-1	2MW-24D	Total Recoverable	Water	6010D	32410
670-18661-2	2MW-25D	Total Recoverable	Water	6010D	32410
670-18661-3	2MW-26D	Total Recoverable	Water	6010D	32410
670-18661-4	4MW-23	Total Recoverable	Water	6010D	32410
670-18661-5	Equipment Blank	Total Recoverable	Water	6010D	32410
670-18661-6	Duplicate 1	Total Recoverable	Water	6010D	32410
670-18661-7	4MW-11D	Total Recoverable	Water	6010D	32410
670-18661-8	2MW-18D	Total Recoverable	Water	6010D	32410
670-18661-9	4MW-3A	Total Recoverable	Water	6010D	32410
670-18661-10	4MW-5	Total Recoverable	Water	6010D	32410
MB 670-32410/3-A	Method Blank	Total Recoverable	Water	6010D	32410
LCS 670-32410/1-A	Lab Control Sample	Total Recoverable	Water	6010D	32410
LCSD 670-32410/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	32410
670-18662-A-1-A MS	Matrix Spike	Total Recoverable	Water	6010D	32410
670-18662-A-1-B MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010D	32410

Analysis Batch: 32653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-1	2MW-24D	Total Recoverable	Water	6020B	32411
670-18661-2	2MW-25D	Total Recoverable	Water	6020B	32411
670-18661-3	2MW-26D	Total Recoverable	Water	6020B	32411
670-18661-4	4MW-23	Total Recoverable	Water	6020B	32411
670-18661-5	Equipment Blank	Total Recoverable	Water	6020B	32411
670-18661-6	Duplicate 1	Total Recoverable	Water	6020B	32411
670-18661-7	4MW-11D	Total Recoverable	Water	6020B	32411
670-18661-8	2MW-18D	Total Recoverable	Water	6020B	32411
670-18661-9	4MW-3A	Total Recoverable	Water	6020B	32411
670-18661-10	4MW-5	Total Recoverable	Water	6020B	32411
MB 670-32411/3-A	Method Blank	Total Recoverable	Water	6020B	32411
LCS 670-32411/1-A	Lab Control Sample	Total Recoverable	Water	6020B	32411
LCSD 670-32411/2-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	32411
670-18662-A-1-D MS	Matrix Spike	Total Recoverable	Water	6020B	32411
670-18662-A-1-E MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	32411

Analysis Batch: 32710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18752-1	2MW-2	Total Recoverable	Water	6020B	32532

Eurofins Orlando

QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Metals (Continued)

Analysis Batch: 32710 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18752-2	2MW-19D	Total Recoverable	Water	6020B	32532
670-18752-3	4MW-22	Total Recoverable	Water	6020B	32532
670-18752-4	4MW-21	Total Recoverable	Water	6020B	32532
670-18752-5	4MW-14D	Total Recoverable	Water	6020B	32532
670-18752-6	4MW-2	Total Recoverable	Water	6020B	32532
670-18752-7	4MW-9	Total Recoverable	Water	6020B	32532
670-18752-8	4MW-8	Total Recoverable	Water	6020B	32532
670-18752-9	4MW-7	Total Recoverable	Water	6020B	32532
670-18752-10	4MW-12D	Total Recoverable	Water	6020B	32532
MB 670-32532/3-A	Method Blank	Total Recoverable	Water	6020B	32532
LCS 670-32532/1-A	Lab Control Sample	Total Recoverable	Water	6020B	32532
LCSD 670-32532/2-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	32532
670-18752-4 MS	4MW-21	Total Recoverable	Water	6020B	32532
670-18752-4 MSD	4MW-21	Total Recoverable	Water	6020B	32532

Prep Batch: 32776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18752-1	2MW-2	Total/NA	Water	7470A	
670-18752-2	2MW-19D	Total/NA	Water	7470A	
670-18752-3	4MW-22	Total/NA	Water	7470A	
670-18752-4	4MW-21	Total/NA	Water	7470A	
670-18752-5	4MW-14D	Total/NA	Water	7470A	
670-18752-6	4MW-2	Total/NA	Water	7470A	
670-18752-7	4MW-9	Total/NA	Water	7470A	
670-18752-8	4MW-8	Total/NA	Water	7470A	
670-18752-9	4MW-7	Total/NA	Water	7470A	
670-18752-10	4MW-12D	Total/NA	Water	7470A	
MB 670-32776/12-A	Method Blank	Total/NA	Water	7470A	
LCS 670-32776/10-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 670-32776/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	
670-18752-4 MS	4MW-21	Total/NA	Water	7470A	
670-18752-4 MSD	4MW-21	Total/NA	Water	7470A	

Analysis Batch: 32798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18752-1	2MW-2	Total Recoverable	Water	6010D	32531
670-18752-2	2MW-19D	Total Recoverable	Water	6010D	32531
670-18752-3	4MW-22	Total Recoverable	Water	6010D	32531
670-18752-4	4MW-21	Total Recoverable	Water	6010D	32531
670-18752-5	4MW-14D	Total Recoverable	Water	6010D	32531
670-18752-6	4MW-2	Total Recoverable	Water	6010D	32531
670-18752-7	4MW-9	Total Recoverable	Water	6010D	32531
670-18752-8	4MW-8	Total Recoverable	Water	6010D	32531
670-18752-9	4MW-7	Total Recoverable	Water	6010D	32531
670-18752-10	4MW-12D	Total Recoverable	Water	6010D	32531
MB 670-32531/3-A	Method Blank	Total Recoverable	Water	6010D	32531
LCS 670-32531/1-A	Lab Control Sample	Total Recoverable	Water	6010D	32531
LCSD 670-32531/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	32531
670-18752-4 MS	4MW-21	Total Recoverable	Water	6010D	32531
670-18752-4 MSD	4MW-21	Total Recoverable	Water	6010D	32531

Eurofins Orlando

QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Metals

Analysis Batch: 32803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 670-32532/3-A	Method Blank	Total Recoverable	Water	6020B	32532
LCS 670-32532/1-A	Lab Control Sample	Total Recoverable	Water	6020B	32532
LCSD 670-32532/2-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	32532
670-18752-4 MS	4MW-21	Total Recoverable	Water	6020B	32532
670-18752-4 MSD	4MW-21	Total Recoverable	Water	6020B	32532

Analysis Batch: 33051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18752-1	2MW-2	Total/NA	Water	7470A	32776
670-18752-2	2MW-19D	Total/NA	Water	7470A	32776
670-18752-3	4MW-22	Total/NA	Water	7470A	32776
670-18752-4	4MW-21	Total/NA	Water	7470A	32776
670-18752-5	4MW-14D	Total/NA	Water	7470A	32776
670-18752-6	4MW-2	Total/NA	Water	7470A	32776
670-18752-7	4MW-9	Total/NA	Water	7470A	32776
670-18752-8	4MW-8	Total/NA	Water	7470A	32776
670-18752-9	4MW-7	Total/NA	Water	7470A	32776
670-18752-10	4MW-12D	Total/NA	Water	7470A	32776
MB 670-32776/12-A	Method Blank	Total/NA	Water	7470A	32776
LCS 670-32776/10-A	Lab Control Sample	Total/NA	Water	7470A	32776
LCSD 670-32776/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	32776
670-18752-4 MS	4MW-21	Total/NA	Water	7470A	32776
670-18752-4 MSD	4MW-21	Total/NA	Water	7470A	32776

General Chemistry

Analysis Batch: 32245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-1	4MW-6	Total/NA	Water	350.1-1993 R2.0	
670-18597-2	4MW-4	Total/NA	Water	350.1-1993 R2.0	
670-18597-3	2MW-27D	Total/NA	Water	350.1-1993 R2.0	
670-18597-4	4MW-27	Total/NA	Water	350.1-1993 R2.0	
670-18597-5	4MW-27D	Total/NA	Water	350.1-1993 R2.0	
670-18597-6	2MW-15DA	Total/NA	Water	350.1-1993 R2.0	
670-18597-7	2MW-24S	Total/NA	Water	350.1-1993 R2.0	
MB 670-32245/42	Method Blank	Total/NA	Water	350.1-1993 R2.0	
MB 670-32245/69	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 670-32245/68	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
LCSD 670-32245/70	Lab Control Sample Dup	Total/NA	Water	350.1-1993 R2.0	

Analysis Batch: 32295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-1	4MW-6	Total/NA	Water	SM 2540C	
670-18597-2	4MW-4	Total/NA	Water	SM 2540C	
670-18597-3	2MW-27D	Total/NA	Water	SM 2540C	
670-18597-4	4MW-27	Total/NA	Water	SM 2540C	
670-18597-5	4MW-27D	Total/NA	Water	SM 2540C	
670-18597-6	2MW-15DA	Total/NA	Water	SM 2540C	
670-18597-7	2MW-24S	Total/NA	Water	SM 2540C	
MB 670-32295/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 670-32295/2	Lab Control Sample	Total/NA	Water	SM 2540C	

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QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

General Chemistry (Continued)

Analysis Batch: 32295 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-1 DU	4MW-6	Total/NA	Water	SM 2540C	

Analysis Batch: 32446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-1	2MW-24D	Total/NA	Water	350.1-1993 R2.0	
670-18661-2	2MW-25D	Total/NA	Water	350.1-1993 R2.0	
670-18661-3	2MW-26D	Total/NA	Water	350.1-1993 R2.0	
670-18661-4	4MW-23	Total/NA	Water	350.1-1993 R2.0	
670-18661-5	Equipment Blank	Total/NA	Water	350.1-1993 R2.0	
670-18661-6	Duplicate 1	Total/NA	Water	350.1-1993 R2.0	
670-18661-7	4MW-11D	Total/NA	Water	350.1-1993 R2.0	
670-18661-8	2MW-18D	Total/NA	Water	350.1-1993 R2.0	
670-18661-9	4MW-3A	Total/NA	Water	350.1-1993 R2.0	
670-18661-10	4MW-5	Total/NA	Water	350.1-1993 R2.0	
MB 670-32446/13	Method Blank	Total/NA	Water	350.1-1993 R2.0	
MB 670-32446/42	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 670-32446/12	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
LCS 670-32446/41	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
LCSD 670-32446/16	Lab Control Sample Dup	Total/NA	Water	350.1-1993 R2.0	
LCSD 670-32446/43	Lab Control Sample Dup	Total/NA	Water	350.1-1993 R2.0	

Analysis Batch: 32522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18752-1	2MW-2	Total/NA	Water	350.1-1993 R2.0	
670-18752-2	2MW-19D	Total/NA	Water	350.1-1993 R2.0	
670-18752-3	4MW-22	Total/NA	Water	350.1-1993 R2.0	
670-18752-4	4MW-21	Total/NA	Water	350.1-1993 R2.0	
670-18752-5	4MW-14D	Total/NA	Water	350.1-1993 R2.0	
670-18752-6	4MW-2	Total/NA	Water	350.1-1993 R2.0	
670-18752-7	4MW-9	Total/NA	Water	350.1-1993 R2.0	
670-18752-8	4MW-8	Total/NA	Water	350.1-1993 R2.0	
670-18752-9	4MW-7	Total/NA	Water	350.1-1993 R2.0	
670-18752-10	4MW-12D	Total/NA	Water	350.1-1993 R2.0	
MB 670-32522/4	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 670-32522/3	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
LCSD 670-32522/7	Lab Control Sample Dup	Total/NA	Water	350.1-1993 R2.0	

Analysis Batch: 32547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-1	2MW-24D	Total/NA	Water	SM 2540C	
670-18661-2	2MW-25D	Total/NA	Water	SM 2540C	
670-18661-3	2MW-26D	Total/NA	Water	SM 2540C	
670-18661-4	4MW-23	Total/NA	Water	SM 2540C	
670-18661-5	Equipment Blank	Total/NA	Water	SM 2540C	
670-18661-6	Duplicate 1	Total/NA	Water	SM 2540C	
670-18661-7	4MW-11D	Total/NA	Water	SM 2540C	
670-18661-8	2MW-18D	Total/NA	Water	SM 2540C	
670-18661-9	4MW-3A	Total/NA	Water	SM 2540C	
670-18661-10	4MW-5	Total/NA	Water	SM 2540C	
MB 670-32547/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 670-32547/2	Lab Control Sample	Total/NA	Water	SM 2540C	

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QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

General Chemistry (Continued)

Analysis Batch: 32547 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-9 DU	4MW-3A	Total/NA	Water	SM 2540C	

Analysis Batch: 32549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18752-1	2MW-2	Total/NA	Water	SM 2540C	
670-18752-2	2MW-19D	Total/NA	Water	SM 2540C	
670-18752-3	4MW-22	Total/NA	Water	SM 2540C	
670-18752-4	4MW-21	Total/NA	Water	SM 2540C	
670-18752-5	4MW-14D	Total/NA	Water	SM 2540C	
670-18752-6	4MW-2	Total/NA	Water	SM 2540C	
670-18752-7	4MW-9	Total/NA	Water	SM 2540C	
670-18752-8	4MW-8	Total/NA	Water	SM 2540C	
670-18752-9	4MW-7	Total/NA	Water	SM 2540C	
670-18752-10	4MW-12D	Total/NA	Water	SM 2540C	
MB 670-32549/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 670-32549/2	Lab Control Sample	Total/NA	Water	SM 2540C	
670-18752-1 DU	2MW-2	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 34108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18597-1	4MW-6	Total/NA	Water	Field Sampling	
670-18597-2	4MW-4	Total/NA	Water	Field Sampling	
670-18597-3	2MW-27D	Total/NA	Water	Field Sampling	
670-18597-4	4MW-27	Total/NA	Water	Field Sampling	
670-18597-5	4MW-27D	Total/NA	Water	Field Sampling	
670-18597-6	2MW-15DA	Total/NA	Water	Field Sampling	
670-18597-7	2MW-24S	Total/NA	Water	Field Sampling	
670-18752-1	2MW-2	Total/NA	Water	Field Sampling	
670-18752-2	2MW-19D	Total/NA	Water	Field Sampling	
670-18752-3	4MW-22	Total/NA	Water	Field Sampling	
670-18752-4	4MW-21	Total/NA	Water	Field Sampling	
670-18752-5	4MW-14D	Total/NA	Water	Field Sampling	
670-18752-6	4MW-2	Total/NA	Water	Field Sampling	
670-18752-7	4MW-9	Total/NA	Water	Field Sampling	
670-18752-8	4MW-8	Total/NA	Water	Field Sampling	
670-18752-9	4MW-7	Total/NA	Water	Field Sampling	
670-18752-10	4MW-12D	Total/NA	Water	Field Sampling	

Analysis Batch: 259180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-18661-1	2MW-24D	Total/NA	Water	Field Sampling	
670-18661-2	2MW-25D	Total/NA	Water	Field Sampling	
670-18661-3	2MW-26D	Total/NA	Water	Field Sampling	
670-18661-4	4MW-23	Total/NA	Water	Field Sampling	
670-18661-7	4MW-11D	Total/NA	Water	Field Sampling	
670-18661-8	2MW-18D	Total/NA	Water	Field Sampling	
670-18661-9	4MW-3A	Total/NA	Water	Field Sampling	
670-18661-10	4MW-5	Total/NA	Water	Field Sampling	

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Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-6
Date Collected: 04/25/23 12:18
Date Received: 04/26/23 08:00

Lab Sample ID: 670-18597-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32955	JFL	EET ORL	05/03/23 10:45
Total/NA	Analysis	300.0		1	31958	YS	EET ORL	04/26/23 17:12
Total/NA	Analysis	300.0-1993 R2.1		1	31959	YS	EET ORL	04/26/23 17:12
Total Recoverable	Prep	3005A			32233	JR	EET ORL	04/27/23 10:57
Total Recoverable	Analysis	6010D		1	32393	NR	EET ORL	04/27/23 15:00
Total Recoverable	Prep	3005A			32234	JR	EET ORL	04/27/23 11:01
Total Recoverable	Analysis	6020B		1	32425	JA	EET ORL	04/27/23 19:26
Total/NA	Prep	7470A			32080	AS	EET ORL	04/26/23 16:20
Total/NA	Analysis	7470A		1	32307	AS	EET ORL	04/27/23 10:40
Total/NA	Analysis	350.1-1993 R2.0		1	32245	KP	EET ORL	04/26/23 20:13
Total/NA	Analysis	SM 2540C		1	32295	KB	EET ORL	04/27/23 15:19
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/25/23 12:18

Client Sample ID: 4MW-4
Date Collected: 04/25/23 13:08
Date Received: 04/26/23 08:00

Lab Sample ID: 670-18597-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32955	JFL	EET ORL	05/03/23 11:21
Total/NA	Analysis	300.0		1	31958	YS	EET ORL	04/26/23 17:34
Total/NA	Analysis	300.0-1993 R2.1		1	31959	YS	EET ORL	04/26/23 17:34
Total Recoverable	Prep	3005A			32233	JR	EET ORL	04/27/23 10:57
Total Recoverable	Analysis	6010D		1	32393	NR	EET ORL	04/27/23 15:02
Total Recoverable	Prep	3005A			32234	JR	EET ORL	04/27/23 11:01
Total Recoverable	Analysis	6020B		1	32425	JA	EET ORL	04/27/23 19:32
Total/NA	Prep	7470A			32080	AS	EET ORL	04/26/23 16:20
Total/NA	Analysis	7470A		1	32307	AS	EET ORL	04/27/23 10:41
Total/NA	Analysis	350.1-1993 R2.0		1	32245	KP	EET ORL	04/26/23 20:14
Total/NA	Analysis	SM 2540C		1	32295	KB	EET ORL	04/27/23 15:19
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/25/23 13:08

Client Sample ID: 2MW-27D
Date Collected: 04/25/23 08:40
Date Received: 04/26/23 08:00

Lab Sample ID: 670-18597-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32955	JFL	EET ORL	05/03/23 14:29
Total/NA	Analysis	300.0		1	31958	YS	EET ORL	04/26/23 17:55
Total/NA	Analysis	300.0-1993 R2.1		1	31959	YS	EET ORL	04/26/23 17:55
Total Recoverable	Prep	3005A			32233	JR	EET ORL	04/27/23 10:57
Total Recoverable	Analysis	6010D		1	32393	NR	EET ORL	04/27/23 15:05
Total Recoverable	Prep	3005A			32234	JR	EET ORL	04/27/23 11:01
Total Recoverable	Analysis	6020B		1	32425	JA	EET ORL	04/27/23 19:35

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Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-27D

Lab Sample ID: 670-18597-3

Date Collected: 04/25/23 08:40

Matrix: Water

Date Received: 04/26/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			32080	AS	EET ORL	04/26/23 16:20
Total/NA	Analysis	7470A		1	32307	AS	EET ORL	04/27/23 10:43
Total/NA	Analysis	350.1-1993 R2.0		1	32245	KP	EET ORL	04/26/23 20:15
Total/NA	Analysis	SM 2540C		1	32295	KB	EET ORL	04/27/23 15:19
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/25/23 08:40

Client Sample ID: 4MW-27

Lab Sample ID: 670-18597-4

Date Collected: 04/25/23 09:50

Matrix: Water

Date Received: 04/26/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32955	JFL	EET ORL	05/03/23 14:52
Total/NA	Analysis	300.0		1	31958	YS	EET ORL	04/26/23 18:17
Total/NA	Analysis	300.0-1993 R2.1		1	31959	YS	EET ORL	04/26/23 18:17
Total Recoverable	Prep	3005A			32233	JR	EET ORL	04/27/23 10:57
Total Recoverable	Analysis	6010D		1	32393	NR	EET ORL	04/27/23 15:08
Total Recoverable	Prep	3005A			32234	JR	EET ORL	04/27/23 11:01
Total Recoverable	Analysis	6020B		1	32425	JA	EET ORL	04/27/23 19:38
Total/NA	Prep	7470A			32080	AS	EET ORL	04/26/23 16:20
Total/NA	Analysis	7470A		1	32307	AS	EET ORL	04/27/23 10:44
Total/NA	Analysis	350.1-1993 R2.0		1	32245	KP	EET ORL	04/26/23 20:16
Total/NA	Analysis	SM 2540C		1	32295	KB	EET ORL	04/27/23 15:19
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/25/23 09:50

Client Sample ID: 4MW-27D

Lab Sample ID: 670-18597-5

Date Collected: 04/25/23 10:55

Matrix: Water

Date Received: 04/26/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32955	JFL	EET ORL	05/03/23 15:10
Total/NA	Analysis	300.0		1	31958	YS	EET ORL	04/26/23 18:39
Total/NA	Analysis	300.0-1993 R2.1		1	31959	YS	EET ORL	04/26/23 18:39
Total Recoverable	Prep	3005A			32233	JR	EET ORL	04/27/23 10:57
Total Recoverable	Analysis	6010D		1	32393	NR	EET ORL	04/27/23 15:10
Total Recoverable	Prep	3005A			32234	JR	EET ORL	04/27/23 11:01
Total Recoverable	Analysis	6020B		1	32425	JA	EET ORL	04/27/23 19:41
Total/NA	Prep	7470A			32080	AS	EET ORL	04/26/23 16:20
Total/NA	Analysis	7470A		1	32307	AS	EET ORL	04/27/23 10:48
Total/NA	Analysis	350.1-1993 R2.0		1	32245	KP	EET ORL	04/26/23 20:17
Total/NA	Analysis	SM 2540C		1	32295	KB	EET ORL	04/27/23 15:19
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/25/23 10:55

Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-15DA

Lab Sample ID: 670-18597-6

Date Collected: 04/25/23 12:05

Matrix: Water

Date Received: 04/26/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32955	JFL	EET ORL	05/03/23 15:28
Total/NA	Analysis	300.0		1	31958	YS	EET ORL	04/26/23 19:01
Total/NA	Analysis	300.0-1993 R2.1		1	31959	YS	EET ORL	04/26/23 19:01
Total Recoverable	Prep	3005A			32233	JR	EET ORL	04/27/23 10:57
Total Recoverable	Analysis	6010D		1	32393	NR	EET ORL	04/27/23 15:13
Total Recoverable	Prep	3005A			32234	JR	EET ORL	04/27/23 11:01
Total Recoverable	Analysis	6020B		1	32425	JA	EET ORL	04/27/23 19:47
Total/NA	Prep	7470A			32080	AS	EET ORL	04/26/23 16:20
Total/NA	Analysis	7470A		1	32307	AS	EET ORL	04/27/23 10:50
Total/NA	Analysis	350.1-1993 R2.0		1	32245	KP	EET ORL	04/26/23 20:18
Total/NA	Analysis	SM 2540C		1	32295	KB	EET ORL	04/27/23 15:19
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/25/23 12:05

Client Sample ID: 2MW-24S

Lab Sample ID: 670-18597-7

Date Collected: 04/25/23 13:25

Matrix: Water

Date Received: 04/26/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32955	JFL	EET ORL	05/03/23 15:46
Total/NA	Analysis	300.0		1	31958	YS	EET ORL	04/26/23 19:23
Total/NA	Analysis	300.0-1993 R2.1		1	31959	YS	EET ORL	04/26/23 19:23
Total Recoverable	Prep	3005A			32233	JR	EET ORL	04/27/23 10:57
Total Recoverable	Analysis	6010D		1	32393	NR	EET ORL	04/27/23 15:15
Total Recoverable	Prep	3005A			32234	JR	EET ORL	04/27/23 11:01
Total Recoverable	Analysis	6020B		1	32425	JA	EET ORL	04/27/23 19:49
Total/NA	Prep	7470A			32080	AS	EET ORL	04/26/23 16:20
Total/NA	Analysis	7470A		1	32307	AS	EET ORL	04/27/23 10:51
Total/NA	Analysis	350.1-1993 R2.0		1	32245	KP	EET ORL	04/26/23 20:19
Total/NA	Analysis	SM 2540C		1	32295	KB	EET ORL	04/27/23 15:19
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/25/23 13:25

Client Sample ID: 2MW-24D

Lab Sample ID: 670-18661-1

Date Collected: 04/26/23 08:10

Matrix: Water

Date Received: 04/27/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32961	KG	EET ORL	05/03/23 16:14
Total/NA	Analysis	300.0		1	32184	YS	EET ORL	04/28/23 05:21
Total/NA	Analysis	300.0-1993 R2.1		1	32185	YS	EET ORL	04/28/23 05:21
Total Recoverable	Prep	3005A			32410	JR	EET ORL	04/28/23 10:29
Total Recoverable	Analysis	6010D		1	32584	NR	EET ORL	04/28/23 17:45
Total Recoverable	Prep	3005A			32411	JR	EET ORL	04/28/23 10:30
Total Recoverable	Analysis	6020B		1	32653	JA	EET ORL	04/28/23 19:30

Eurofins Orlando

Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-24D

Lab Sample ID: 670-18661-1

Date Collected: 04/26/23 08:10

Matrix: Water

Date Received: 04/27/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			32395	AS	EET ORL	04/28/23 09:13
Total/NA	Analysis	7470A		1	32486	AS	EET ORL	04/28/23 14:42
Total/NA	Analysis	350.1-1993 R2.0		1	32446	KP	EET ORL	04/28/23 11:33
Total/NA	Analysis	SM 2540C		1	32547	KB	EET ORL	04/29/23 15:35
Total/NA	Analysis	Field Sampling		1	259180	FS	EET TAM	04/26/23 08:10

Client Sample ID: 2MW-25D

Lab Sample ID: 670-18661-2

Date Collected: 04/26/23 09:40

Matrix: Water

Date Received: 04/27/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32961	KG	EET ORL	05/03/23 16:32
Total/NA	Analysis	300.0		1	32184	YS	EET ORL	04/28/23 05:43
Total/NA	Analysis	300.0-1993 R2.1		1	32185	YS	EET ORL	04/28/23 05:43
Total Recoverable	Prep	3005A			32410	JR	EET ORL	04/28/23 10:29
Total Recoverable	Analysis	6010D		1	32584	NR	EET ORL	04/28/23 17:48
Total Recoverable	Prep	3005A			32411	JR	EET ORL	04/28/23 10:30
Total Recoverable	Analysis	6020B		1	32653	JA	EET ORL	04/28/23 19:33
Total/NA	Prep	7470A			32395	AS	EET ORL	04/28/23 09:13
Total/NA	Analysis	7470A		1	32486	AS	EET ORL	04/28/23 14:43
Total/NA	Analysis	350.1-1993 R2.0		1	32446	KP	EET ORL	04/28/23 11:34
Total/NA	Analysis	SM 2540C		1	32547	KB	EET ORL	04/29/23 15:35
Total/NA	Analysis	Field Sampling		1	259180	FS	EET TAM	04/26/23 09:40

Client Sample ID: 2MW-26D

Lab Sample ID: 670-18661-3

Date Collected: 04/26/23 10:50

Matrix: Water

Date Received: 04/27/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32961	KG	EET ORL	05/03/23 16:49
Total/NA	Analysis	300.0		1	32184	YS	EET ORL	04/28/23 06:05
Total/NA	Analysis	300.0-1993 R2.1		1	32185	YS	EET ORL	04/28/23 06:05
Total Recoverable	Prep	3005A			32410	JR	EET ORL	04/28/23 10:29
Total Recoverable	Analysis	6010D		1	32584	NR	EET ORL	04/28/23 17:50
Total Recoverable	Prep	3005A			32411	JR	EET ORL	04/28/23 10:30
Total Recoverable	Analysis	6020B		1	32653	JA	EET ORL	04/28/23 19:38
Total/NA	Prep	7470A			32395	AS	EET ORL	04/28/23 09:13
Total/NA	Analysis	7470A		1	32486	AS	EET ORL	04/28/23 14:45
Total/NA	Analysis	350.1-1993 R2.0		1	32446	KP	EET ORL	04/28/23 11:35
Total/NA	Analysis	SM 2540C		1	32547	KB	EET ORL	04/29/23 15:35
Total/NA	Analysis	Field Sampling		1	259180	FS	EET TAM	04/26/23 10:50

Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-23
Date Collected: 04/26/23 12:05
Date Received: 04/27/23 08:00

Lab Sample ID: 670-18661-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32961	KG	EET ORL	05/03/23 17:07
Total/NA	Analysis	300.0		1	32184	YS	EET ORL	04/28/23 06:27
Total/NA	Analysis	300.0-1993 R2.1		1	32185	YS	EET ORL	04/28/23 06:27
Total Recoverable	Prep	3005A			32410	JR	EET ORL	04/28/23 10:29
Total Recoverable	Analysis	6010D		1	32584	NR	EET ORL	04/28/23 17:53
Total Recoverable	Prep	3005A			32411	JR	EET ORL	04/28/23 10:30
Total Recoverable	Analysis	6020B		1	32653	JA	EET ORL	04/28/23 19:41
Total/NA	Prep	7470A			32395	AS	EET ORL	04/28/23 09:13
Total/NA	Analysis	7470A		1	32486	AS	EET ORL	04/28/23 14:46
Total/NA	Analysis	350.1-1993 R2.0		1	32446	KP	EET ORL	04/28/23 11:36
Total/NA	Analysis	SM 2540C		1	32547	KB	EET ORL	04/29/23 15:35
Total/NA	Analysis	Field Sampling		1	259180	FS	EET TAM	04/26/23 12:05

Client Sample ID: Equipment Blank
Date Collected: 04/26/23 12:25
Date Received: 04/27/23 08:00

Lab Sample ID: 670-18661-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32975	P1K	EET ORL	05/03/23 18:28
Total/NA	Analysis	300.0		1	32184	YS	EET ORL	04/28/23 03:31
Total/NA	Analysis	300.0-1993 R2.1		1	32185	YS	EET ORL	04/28/23 03:31
Total Recoverable	Prep	3005A			32410	JR	EET ORL	04/28/23 10:29
Total Recoverable	Analysis	6010D		1	32584	NR	EET ORL	04/28/23 17:56
Total Recoverable	Prep	3005A			32411	JR	EET ORL	04/28/23 10:30
Total Recoverable	Analysis	6020B		1	32653	JA	EET ORL	04/28/23 19:44
Total/NA	Prep	7470A			32395	AS	EET ORL	04/28/23 09:13
Total/NA	Analysis	7470A		1	32486	AS	EET ORL	04/28/23 14:47
Total/NA	Analysis	350.1-1993 R2.0		1	32446	KP	EET ORL	04/28/23 11:37
Total/NA	Analysis	SM 2540C		1	32547	KB	EET ORL	04/29/23 15:35

Client Sample ID: Duplicate 1
Date Collected: 04/26/23 13:05
Date Received: 04/27/23 08:00

Lab Sample ID: 670-18661-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32975	P1K	EET ORL	05/03/23 18:45
Total/NA	Analysis	300.0		1	32184	YS	EET ORL	04/28/23 06:48
Total/NA	Analysis	300.0-1993 R2.1		1	32185	YS	EET ORL	04/28/23 06:48
Total Recoverable	Prep	3005A			32410	JR	EET ORL	04/28/23 10:29
Total Recoverable	Analysis	6010D		1	32584	NR	EET ORL	04/28/23 17:58
Total Recoverable	Prep	3005A			32411	JR	EET ORL	04/28/23 10:30
Total Recoverable	Analysis	6020B		1	32653	JA	EET ORL	04/28/23 19:47

Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: Duplicate 1

Lab Sample ID: 670-18661-6

Date Collected: 04/26/23 13:05

Matrix: Water

Date Received: 04/27/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			32395	AS	EET ORL	04/28/23 09:13
Total/NA	Analysis	7470A		1	32486	AS	EET ORL	04/28/23 14:49
Total/NA	Analysis	350.1-1993 R2.0		1	32446	KP	EET ORL	04/28/23 11:38
Total/NA	Analysis	SM 2540C		1	32547	KB	EET ORL	04/29/23 15:35

Client Sample ID: 4MW-11D

Lab Sample ID: 670-18661-7

Date Collected: 04/26/23 13:12

Matrix: Water

Date Received: 04/27/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32975	P1K	EET ORL	05/03/23 19:02
Total/NA	Analysis	300.0		1	32184	YS	EET ORL	04/28/23 07:10
Total/NA	Analysis	300.0-1993 R2.1		1	32185	YS	EET ORL	04/28/23 07:10
Total Recoverable	Prep	3005A			32410	JR	EET ORL	04/28/23 10:29
Total Recoverable	Analysis	6010D		1	32584	NR	EET ORL	04/28/23 18:01
Total Recoverable	Prep	3005A			32411	JR	EET ORL	04/28/23 10:30
Total Recoverable	Analysis	6020B		1	32653	JA	EET ORL	04/28/23 19:50
Total/NA	Prep	7470A			32395	AS	EET ORL	04/28/23 09:13
Total/NA	Analysis	7470A		1	32486	AS	EET ORL	04/28/23 14:50
Total/NA	Analysis	350.1-1993 R2.0		1	32446	KP	EET ORL	04/28/23 11:41
Total/NA	Analysis	SM 2540C		1	32547	KB	EET ORL	04/29/23 15:35
Total/NA	Analysis	Field Sampling		1	259180	FS	EET TAM	04/26/23 13:12

Client Sample ID: 2MW-18D

Lab Sample ID: 670-18661-8

Date Collected: 04/26/23 12:28

Matrix: Water

Date Received: 04/27/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32975	P1K	EET ORL	05/03/23 19:19
Total/NA	Analysis	300.0		1	32184	YS	EET ORL	04/28/23 07:32
Total/NA	Analysis	300.0-1993 R2.1		1	32185	YS	EET ORL	04/28/23 07:32
Total Recoverable	Prep	3005A			32410	JR	EET ORL	04/28/23 10:29
Total Recoverable	Analysis	6010D		1	32584	NR	EET ORL	04/28/23 18:11
Total Recoverable	Prep	3005A			32411	JR	EET ORL	04/28/23 10:30
Total Recoverable	Analysis	6020B		1	32653	JA	EET ORL	04/28/23 20:04
Total/NA	Prep	7470A			32395	AS	EET ORL	04/28/23 09:13
Total/NA	Analysis	7470A		1	32486	AS	EET ORL	04/28/23 14:51
Total/NA	Analysis	350.1-1993 R2.0		1	32446	KP	EET ORL	04/28/23 11:45
Total/NA	Analysis	SM 2540C		1	32547	KB	EET ORL	04/29/23 15:35
Total/NA	Analysis	Field Sampling		1	259180	FS	EET TAM	04/26/23 12:28

Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-3A

Lab Sample ID: 670-18661-9

Date Collected: 04/26/23 11:35

Matrix: Water

Date Received: 04/27/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32975	P1K	EET ORL	05/03/23 19:36
Total/NA	Analysis	300.0		1	32189	YS	EET ORL	04/27/23 15:09
Total/NA	Analysis	300.0-1993 R2.1		1	32412	YS	EET ORL	04/28/23 14:51
Total Recoverable	Prep	3005A			32410	JR	EET ORL	04/28/23 10:29
Total Recoverable	Analysis	6010D		1	32584	NR	EET ORL	04/28/23 18:14
Total Recoverable	Prep	3005A			32411	JR	EET ORL	04/28/23 10:30
Total Recoverable	Analysis	6020B		1	32653	JA	EET ORL	04/28/23 20:07
Total/NA	Prep	7470A			32395	AS	EET ORL	04/28/23 09:13
Total/NA	Analysis	7470A		1	32486	AS	EET ORL	04/28/23 14:53
Total/NA	Analysis	350.1-1993 R2.0		1	32446	KP	EET ORL	04/28/23 11:46
Total/NA	Analysis	SM 2540C		1	32547	KB	EET ORL	04/29/23 15:35
Total/NA	Analysis	Field Sampling		1	259180	FS	EET TAM	04/26/23 11:35

Client Sample ID: 4MW-5

Lab Sample ID: 670-18661-10

Date Collected: 04/26/23 11:13

Matrix: Water

Date Received: 04/27/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	32975	P1K	EET ORL	05/03/23 19:53
Total/NA	Analysis	300.0		1	32189	YS	EET ORL	04/27/23 15:26
Total/NA	Analysis	300.0-1993 R2.1		1	32412	YS	EET ORL	04/28/23 15:12
Total Recoverable	Prep	3005A			32410	JR	EET ORL	04/28/23 10:29
Total Recoverable	Analysis	6010D		1	32584	NR	EET ORL	04/28/23 18:16
Total Recoverable	Prep	3005A			32411	JR	EET ORL	04/28/23 10:30
Total Recoverable	Analysis	6020B		1	32653	JA	EET ORL	04/28/23 20:10
Total/NA	Prep	7470A			32395	AS	EET ORL	04/28/23 09:13
Total/NA	Analysis	7470A		1	32486	AS	EET ORL	04/28/23 14:54
Total/NA	Analysis	350.1-1993 R2.0		1	32446	KP	EET ORL	04/28/23 11:46
Total/NA	Analysis	SM 2540C		1	32547	KB	EET ORL	04/29/23 15:35
Total/NA	Analysis	Field Sampling		1	259180	FS	EET TAM	04/26/23 11:13

Client Sample ID: 2MW-2

Lab Sample ID: 670-18752-1

Date Collected: 04/27/23 08:35

Matrix: Water

Date Received: 04/28/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	33078	T1Y	EET ORL	05/03/23 20:02
Total/NA	Analysis	300.0		1	32413	YS	EET ORL	04/28/23 18:05
Total/NA	Analysis	300.0-1993 R2.1		1	32412	YS	EET ORL	04/28/23 18:05
Total Recoverable	Prep	3005A			32531	AS	EET ORL	04/29/23 09:30
Total Recoverable	Analysis	6010D		1	32798	NR	EET ORL	05/01/23 14:49
Total Recoverable	Prep	3005A			32532	AS	EET ORL	04/29/23 09:32
Total Recoverable	Analysis	6020B		1	32710	JA	EET ORL	05/01/23 14:22

Eurofins Orlando

Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 2MW-2
Date Collected: 04/27/23 08:35
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			32776	AS	EET ORL	05/02/23 08:34
Total/NA	Analysis	7470A		1	33051	AS	EET ORL	05/03/23 09:19
Total/NA	Analysis	350.1-1993 R2.0		1	32522	KP	EET ORL	04/28/23 16:48
Total/NA	Analysis	SM 2540C		1	32549	KB	EET ORL	04/29/23 15:45
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/27/23 08:35

Client Sample ID: 2MW-19D
Date Collected: 04/27/23 10:16
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	33078	T1Y	EET ORL	05/03/23 20:37
Total/NA	Analysis	300.0		1	32413	YS	EET ORL	04/28/23 19:10
Total/NA	Analysis	300.0-1993 R2.1		1	32412	YS	EET ORL	04/28/23 19:10
Total Recoverable	Prep	3005A			32531	AS	EET ORL	04/29/23 09:30
Total Recoverable	Analysis	6010D		1	32798	NR	EET ORL	05/01/23 14:51
Total Recoverable	Prep	3005A			32532	AS	EET ORL	04/29/23 09:32
Total Recoverable	Analysis	6020B		1	32710	JA	EET ORL	05/01/23 14:25
Total/NA	Prep	7470A			32776	AS	EET ORL	05/02/23 08:34
Total/NA	Analysis	7470A		1	33051	AS	EET ORL	05/03/23 09:20
Total/NA	Analysis	350.1-1993 R2.0		1	32522	KP	EET ORL	04/28/23 16:49
Total/NA	Analysis	SM 2540C		1	32549	KB	EET ORL	04/29/23 15:45
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/27/23 10:16

Client Sample ID: 4MW-22
Date Collected: 04/27/23 11:40
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	33078	T1Y	EET ORL	05/03/23 21:30
Total/NA	Analysis	300.0		1	32413	YS	EET ORL	04/28/23 19:31
Total/NA	Analysis	300.0-1993 R2.1		1	32412	YS	EET ORL	04/28/23 19:31
Total Recoverable	Prep	3005A			32531	AS	EET ORL	04/29/23 09:30
Total Recoverable	Analysis	6010D		1	32798	NR	EET ORL	05/01/23 14:54
Total Recoverable	Prep	3005A			32532	AS	EET ORL	04/29/23 09:32
Total Recoverable	Analysis	6020B		1	32710	JA	EET ORL	05/01/23 14:28
Total/NA	Prep	7470A			32776	AS	EET ORL	05/02/23 08:34
Total/NA	Analysis	7470A		1	33051	AS	EET ORL	05/03/23 09:21
Total/NA	Analysis	350.1-1993 R2.0		1	32522	KP	EET ORL	04/28/23 16:50
Total/NA	Analysis	SM 2540C		1	32549	KB	EET ORL	04/29/23 15:45
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/27/23 11:40

Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-21
Date Collected: 04/27/23 12:35
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	33078	T1Y	EET ORL	05/03/23 21:47
Total/NA	Analysis	300.0		1	32413	YS	EET ORL	04/28/23 19:53
Total/NA	Analysis	300.0-1993 R2.1		1	32412	YS	EET ORL	04/28/23 19:53
Total Recoverable	Prep	3005A			32531	AS	EET ORL	04/29/23 09:30
Total Recoverable	Analysis	6010D		1	32798	NR	EET ORL	05/01/23 14:46
Total Recoverable	Prep	3005A			32532	AS	EET ORL	04/29/23 09:32
Total Recoverable	Analysis	6020B		1	32710	JA	EET ORL	05/01/23 14:16
Total/NA	Prep	7470A			32776	AS	EET ORL	05/02/23 08:34
Total/NA	Analysis	7470A		1	33051	AS	EET ORL	05/03/23 09:17
Total/NA	Analysis	350.1-1993 R2.0		1	32522	KP	EET ORL	04/28/23 16:50
Total/NA	Analysis	SM 2540C		1	32549	KB	EET ORL	04/29/23 15:45
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/27/23 12:35

Client Sample ID: 4MW-14D
Date Collected: 04/27/23 13:40
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	33078	T1Y	EET ORL	05/03/23 22:05
Total/NA	Analysis	300.0		1	32413	YS	EET ORL	04/28/23 20:15
Total/NA	Analysis	300.0-1993 R2.1		1	32412	YS	EET ORL	04/28/23 20:15
Total Recoverable	Prep	3005A			32531	AS	EET ORL	04/29/23 09:30
Total Recoverable	Analysis	6010D		1	32798	NR	EET ORL	05/01/23 14:57
Total Recoverable	Prep	3005A			32532	AS	EET ORL	04/29/23 09:32
Total Recoverable	Analysis	6020B		1	32710	JA	EET ORL	05/01/23 14:30
Total/NA	Prep	7470A			32776	AS	EET ORL	05/02/23 08:34
Total/NA	Analysis	7470A		1	33051	AS	EET ORL	05/03/23 09:23
Total/NA	Analysis	350.1-1993 R2.0		1	32522	KP	EET ORL	04/28/23 16:51
Total/NA	Analysis	SM 2540C		1	32549	KB	EET ORL	04/29/23 15:45
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/27/23 13:40

Client Sample ID: 4MW-2
Date Collected: 04/27/23 09:19
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	33078	T1Y	EET ORL	05/03/23 22:22
Total/NA	Analysis	300.0		1	32413	YS	EET ORL	04/28/23 20:36
Total/NA	Analysis	300.0-1993 R2.1		1	32412	YS	EET ORL	04/28/23 20:36
Total Recoverable	Prep	3005A			32531	AS	EET ORL	04/29/23 09:30
Total Recoverable	Analysis	6010D		1	32798	NR	EET ORL	05/01/23 14:59
Total Recoverable	Prep	3005A			32532	AS	EET ORL	04/29/23 09:32
Total Recoverable	Analysis	6020B		1	32710	JA	EET ORL	05/01/23 14:36

Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-2
Date Collected: 04/27/23 09:19
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			32776	AS	EET ORL	05/02/23 08:34
Total/NA	Analysis	7470A		1	33051	AS	EET ORL	05/03/23 09:24
Total/NA	Analysis	350.1-1993 R2.0		1	32522	KP	EET ORL	04/28/23 16:52
Total/NA	Analysis	SM 2540C		1	32549	KB	EET ORL	04/29/23 15:45
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/27/23 09:19

Client Sample ID: 4MW-9
Date Collected: 04/27/23 10:19
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	33078	T1Y	EET ORL	05/03/23 22:40
Total/NA	Analysis	300.0		1	32413	YS	EET ORL	04/28/23 20:58
Total/NA	Analysis	300.0-1993 R2.1		1	32412	YS	EET ORL	04/28/23 20:58
Total Recoverable	Prep	3005A			32531	AS	EET ORL	04/29/23 09:30
Total Recoverable	Analysis	6010D		1	32798	NR	EET ORL	05/01/23 15:02
Total Recoverable	Prep	3005A			32532	AS	EET ORL	04/29/23 09:32
Total Recoverable	Analysis	6020B		1	32710	JA	EET ORL	05/01/23 14:39
Total/NA	Prep	7470A			32776	AS	EET ORL	05/02/23 08:34
Total/NA	Analysis	7470A		1	33051	AS	EET ORL	05/03/23 09:25
Total/NA	Analysis	350.1-1993 R2.0		1	32522	KP	EET ORL	04/28/23 16:55
Total/NA	Analysis	SM 2540C		1	32549	KB	EET ORL	04/29/23 15:45
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/27/23 10:19

Client Sample ID: 4MW-8
Date Collected: 04/27/23 11:28
Date Received: 04/28/23 08:00

Lab Sample ID: 670-18752-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	33078	T1Y	EET ORL	05/03/23 22:57
Total/NA	Analysis	300.0		1	32413	YS	EET ORL	04/28/23 21:19
Total/NA	Analysis	300.0-1993 R2.1		1	32412	YS	EET ORL	04/28/23 21:19
Total Recoverable	Prep	3005A			32531	AS	EET ORL	04/29/23 09:30
Total Recoverable	Analysis	6010D		1	32798	NR	EET ORL	05/01/23 15:04
Total Recoverable	Prep	3005A			32532	AS	EET ORL	04/29/23 09:32
Total Recoverable	Analysis	6020B		1	32710	JA	EET ORL	05/01/23 14:42
Total/NA	Prep	7470A			32776	AS	EET ORL	05/02/23 08:34
Total/NA	Analysis	7470A		1	33051	AS	EET ORL	05/03/23 09:27
Total/NA	Analysis	350.1-1993 R2.0		1	32522	KP	EET ORL	04/28/23 16:56
Total/NA	Analysis	SM 2540C		1	32549	KB	EET ORL	04/29/23 15:45
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/27/23 11:28

Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Client Sample ID: 4MW-7

Lab Sample ID: 670-18752-9

Date Collected: 04/27/23 12:28

Matrix: Water

Date Received: 04/28/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	33078	T1Y	EET ORL	05/03/23 23:15
Total/NA	Analysis	300.0		1	32413	YS	EET ORL	04/28/23 21:41
Total/NA	Analysis	300.0-1993 R2.1		1	32412	YS	EET ORL	04/28/23 21:41
Total Recoverable	Prep	3005A			32531	AS	EET ORL	04/29/23 09:30
Total Recoverable	Analysis	6010D		1	32798	NR	EET ORL	05/01/23 15:07
Total Recoverable	Prep	3005A			32532	AS	EET ORL	04/29/23 09:32
Total Recoverable	Analysis	6020B		1	32710	JA	EET ORL	05/01/23 14:44
Total/NA	Prep	7470A			32776	AS	EET ORL	05/02/23 08:34
Total/NA	Analysis	7470A		1	33051	AS	EET ORL	05/03/23 09:28
Total/NA	Analysis	350.1-1993 R2.0		1	32522	KP	EET ORL	04/28/23 16:57
Total/NA	Analysis	SM 2540C		1	32549	KB	EET ORL	04/29/23 15:45
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/27/23 12:28

Client Sample ID: 4MW-12D

Lab Sample ID: 670-18752-10

Date Collected: 04/27/23 13:05

Matrix: Water

Date Received: 04/28/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	33078	T1Y	EET ORL	05/03/23 23:32
Total/NA	Analysis	300.0		1	32413	YS	EET ORL	04/28/23 22:02
Total/NA	Analysis	300.0-1993 R2.1		1	32412	YS	EET ORL	04/28/23 22:02
Total Recoverable	Prep	3005A			32531	AS	EET ORL	04/29/23 09:30
Total Recoverable	Analysis	6010D		1	32798	NR	EET ORL	05/01/23 15:10
Total Recoverable	Prep	3005A			32532	AS	EET ORL	04/29/23 09:32
Total Recoverable	Analysis	6020B		1	32710	JA	EET ORL	05/01/23 14:47
Total/NA	Prep	7470A			32776	AS	EET ORL	05/02/23 08:34
Total/NA	Analysis	7470A		1	33051	AS	EET ORL	05/03/23 09:30
Total/NA	Analysis	350.1-1993 R2.0		1	32522	KP	EET ORL	04/28/23 16:58
Total/NA	Analysis	SM 2540C		1	32549	KB	EET ORL	04/29/23 15:45
Total/NA	Analysis	Field Sampling		1	34108	FDS	EET ORL	04/27/23 13:05

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

EET TAM = Eurofins Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Accreditation/Certification Summary

Client: SCS Engineers
 Project/Site: Pasco County LF

Job ID: 670-18597-1

Laboratory: Eurofins Orlando

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	42800	06-30-23
Florida	NELAP	E83018	06-30-24
North Carolina (DW)	State	12712	07-31-23
Tennessee	State	TN04930	04-05-24
Texas	NELAP	T104704571	02-29-24

Laboratory: Eurofins Tampa

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E84282	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Field Sampling		Water	Field pH
Field Sampling		Water	Field Temperature
Field Sampling		Water	Oxygen, Dissolved
Field Sampling		Water	Specific Conductance
Field Sampling		Water	Turbidity



Method Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET ORL
300.0	Anions, Ion Chromatography	EPA	EET ORL
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET ORL
6010D	Metals (ICP)	SW846	EET ORL
6020B	Metals (ICP/MS)	SW846	EET ORL
7470A	Mercury (CVAA)	SW846	EET ORL
350.1-1993 R2.0	Nitrogen, Ammonia	MCAWW	EET ORL
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET ORL
Field Sampling	Field Sampling	EPA	EET ORL
Field Sampling	Field Sampling	EPA	EET TAM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ORL
5030C	Purge and Trap	SW846	EET ORL
7470A	Preparation, Mercury	SW846	EET ORL

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

EET TAM = Eurofins Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 670-18597-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
670-18597-1	4MW-6	Water	04/25/23 12:18	04/26/23 08:00
670-18597-2	4MW-4	Water	04/25/23 13:08	04/26/23 08:00
670-18597-3	2MW-27D	Water	04/25/23 08:40	04/26/23 08:00
670-18597-4	4MW-27	Water	04/25/23 09:50	04/26/23 08:00
670-18597-5	4MW-27D	Water	04/25/23 10:55	04/26/23 08:00
670-18597-6	2MW-15DA	Water	04/25/23 12:05	04/26/23 08:00
670-18597-7	2MW-24S	Water	04/25/23 13:25	04/26/23 08:00
670-18661-1	2MW-24D	Water	04/26/23 08:10	04/27/23 08:00
670-18661-2	2MW-25D	Water	04/26/23 09:40	04/27/23 08:00
670-18661-3	2MW-26D	Water	04/26/23 10:50	04/27/23 08:00
670-18661-4	4MW-23	Water	04/26/23 12:05	04/27/23 08:00
670-18661-5	Equipment Blank	Water	04/26/23 12:25	04/27/23 08:00
670-18661-6	Duplicate 1	Water	04/26/23 13:05	04/27/23 08:00
670-18661-7	4MW-11D	Water	04/26/23 13:12	04/27/23 08:00
670-18661-8	2MW-18D	Water	04/26/23 12:28	04/27/23 08:00
670-18661-9	4MW-3A	Water	04/26/23 11:35	04/27/23 08:00
670-18661-10	4MW-5	Water	04/26/23 11:13	04/27/23 08:00
670-18752-1	2MW-2	Water	04/27/23 08:35	04/28/23 08:00
670-18752-2	2MW-19D	Water	04/27/23 10:16	04/28/23 08:00
670-18752-3	4MW-22	Water	04/27/23 11:40	04/28/23 08:00
670-18752-4	4MW-21	Water	04/27/23 12:35	04/28/23 08:00
670-18752-5	4MW-14D	Water	04/27/23 13:40	04/28/23 08:00
670-18752-6	4MW-2	Water	04/27/23 09:19	04/28/23 08:00
670-18752-7	4MW-9	Water	04/27/23 10:19	04/28/23 08:00
670-18752-8	4MW-8	Water	04/27/23 11:28	04/28/23 08:00
670-18752-9	4MW-7	Water	04/27/23 12:28	04/28/23 08:00
670-18752-10	4MW-12D	Water	04/27/23 13:05	04/28/23 08:00

481 Newburyport Avenue
Altamonte Springs, FL 32701
Phone (407) 339-5984 Phone (407) 260-6110


Chain of Custody Record



Client Information Lab PM: Kumm, Ryya E-Mail: rya.kumm@et.eurofins.com State of Origin:		Client Contact: Bob Curtis Phone:		Company: SCS Engineers PWSID:		Address: 3922 Coconut Palm Drive Suite 102 City: Tampa State, Zip: FL, 33619 Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		TAT Requested (days): 10 day std PO #: 09222055.01 WO #:		Project Name: Pasco County LF Project #: 66018510 SSOW #:		Sample Identification Sample Date: 4/25/23 Sample Time: 12:18 Matrix Type (Water, Solid, O-waste/oil):		Preservation Code: Field Filtered Sample (Yes or No) S Perform MS/MSD (Yes or No) S 350.1 - Ammonia TDS 2540, Chloride/Nitrate 300 82800 - Appendix 1 Hg 7470 / FeAs 6010 / SAsBaBaCdCrCoCuPbNiSAsAgTiVZn 6020 Field Sampling - Field Parameters N		Special Instructions/Note: Total Number of containers:		Sample Date: 4/25/23 Sample Time: 12:18 Matrix Type (Water, Solid, O-waste/oil):		Preservation Code: Field Filtered Sample (Yes or No) S Perform MS/MSD (Yes or No) S 350.1 - Ammonia TDS 2540, Chloride/Nitrate 300 82800 - Appendix 1 Hg 7470 / FeAs 6010 / SAsBaBaCdCrCoCuPbNiSAsAgTiVZn 6020 Field Sampling - Field Parameters N		Special Instructions/Note: Total Number of containers:	
Lab PM: Kumm, Ryya E-Mail: rya.kumm@et.eurofins.com State of Origin:		Client Contact: Bob Curtis Phone:		Company: SCS Engineers PWSID:		Address: 3922 Coconut Palm Drive Suite 102 City: Tampa State, Zip: FL, 33619 Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		TAT Requested (days): 10 day std PO #: 09222055.01 WO #:		Project Name: Pasco County LF Project #: 66018510 SSOW #:		Sample Identification Sample Date: 4/25/23 Sample Time: 12:18 Matrix Type (Water, Solid, O-waste/oil):		Preservation Code: Field Filtered Sample (Yes or No) S Perform MS/MSD (Yes or No) S 350.1 - Ammonia TDS 2540, Chloride/Nitrate 300 82800 - Appendix 1 Hg 7470 / FeAs 6010 / SAsBaBaCdCrCoCuPbNiSAsAgTiVZn 6020 Field Sampling - Field Parameters N		Special Instructions/Note: Total Number of containers:		Sample Date: 4/25/23 Sample Time: 12:18 Matrix Type (Water, Solid, O-waste/oil):		Preservation Code: Field Filtered Sample (Yes or No) S Perform MS/MSD (Yes or No) S 350.1 - Ammonia TDS 2540, Chloride/Nitrate 300 82800 - Appendix 1 Hg 7470 / FeAs 6010 / SAsBaBaCdCrCoCuPbNiSAsAgTiVZn 6020 Field Sampling - Field Parameters N		Special Instructions/Note: Total Number of containers:	
Lab PM: Kumm, Ryya E-Mail: rya.kumm@et.eurofins.com State of Origin:		Client Contact: Bob Curtis Phone:		Company: SCS Engineers PWSID:		Address: 3922 Coconut Palm Drive Suite 102 City: Tampa State, Zip: FL, 33619 Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		TAT Requested (days): 10 day std PO #: 09222055.01 WO #:		Project Name: Pasco County LF Project #: 66018510 SSOW #:		Sample Identification Sample Date: 4/25/23 Sample Time: 12:18 Matrix Type (Water, Solid, O-waste/oil):		Preservation Code: Field Filtered Sample (Yes or No) S Perform MS/MSD (Yes or No) S 350.1 - Ammonia TDS 2540, Chloride/Nitrate 300 82800 - Appendix 1 Hg 7470 / FeAs 6010 / SAsBaBaCdCrCoCuPbNiSAsAgTiVZn 6020 Field Sampling - Field Parameters N		Special Instructions/Note: Total Number of containers:		Sample Date: 4/25/23 Sample Time: 12:18 Matrix Type (Water, Solid, O-waste/oil):		Preservation Code: Field Filtered Sample (Yes or No) S Perform MS/MSD (Yes or No) S 350.1 - Ammonia TDS 2540, Chloride/Nitrate 300 82800 - Appendix 1 Hg 7470 / FeAs 6010 / SAsBaBaCdCrCoCuPbNiSAsAgTiVZn 6020 Field Sampling - Field Parameters N		Special Instructions/Note: Total Number of containers:	

Chain of Custody Record



Client Information		Sampler: <i>Darshan Doley</i>	Lab PM: Kumm, Ryya	Carrier Tracking No(s): 660-115210-36916.4
Client Contact: Bob Curtiss		Phone:	E-Mail: ryya.kumm@et.eurofinsus.com	State of Origin:
Company: SCS Engineers		PWSID:	Job #: <i>10F2</i>	
Address: 3922 Coconut Palm Drive Suite 102		Analysis Requested		
City: Tampa		Due Date Requested:		
State, Zip: FL, 33619		TAT Requested (days): <i>10 day strq</i>		
Phone: 849-450-7467 (Tel)		Compliance Project: Δ Yes Δ No		
Email: bcurtis@scsengineers.com		PO #: 09222055.01		
Project Name: Pasco County LF		WO #: <i>813 293 3403</i>		
Site:		Project #: 66018510		
		SSOW#:		
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=solid, O=organics, T=tissue, A=Air)
<i>YM56</i>	<i>4/24/23</i>	<i>1218</i>	<i>G</i>	<i>W</i>
<i>YM24</i>	<i>12</i>	<i>1308</i>	<i>G</i>	<i>W</i>
Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No TDS 2540, Chloride/Nitrate 300 N A D N 8260D - Appendix 1 N A D N Hg 7470/ FeNa 6010/ SpAsBaBeCdCrCoCuPbNiSeAgTVZn N A D N Field Sampling - Field Parameters N A D N				
Total Number of Containers: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Special Instructions/Note:				
 670-18597 Chain of Custody				
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				
Deliverable Requested: I, II, III, IV, Other (specify)				
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months				
Special Instructions/QC Requirements:				
Empty Kit Relinquished by: _____ Date: _____ Method of Shipment: _____				
Relinquished by: <i>[Signature]</i> Date/Time: <i>4/25/23 1435</i> Company: <i>SSS</i>				
Relinquished by: <i>[Signature]</i> Date/Time: <i>4/25/23 17:00</i> Company: <i>EDA</i>				
Relinquished by: <i>[Signature]</i> Date/Time: <i>4/26/23 800</i> Company: <i>eurofins</i>				
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Δ				
Cooler Temperature(s) °C and Other Remarks: <i>1-3 / 0.8</i>				



Chain of Custody Record



Client Information Client Contact: Bob Curtiss Company: SCS Engineers Address: 3922 Coconut Palm Drive Suite 102 City: Tampa State, Zip: FL, 33619 Phone: 813-450-7467 (ext) 813 293 3403 Email: bcurtis@scsengineers.com Project Name: Pasco County LF Site:		Sampler: Fauve Herson Lab PM: Kumm, Ryya E-Mail: ryya.kumm@eurofins.com Carrier Tracking No(s): State of Origin:		COC No: 660-115210-36916.4 Page: Page 4 of 4 Job #: 2 of 2	
Due Date Requested: TAT Requested (days): 10 day strd Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: 09222055.01 WO #:		Analysis Requested Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 350.1 - Ammonia <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No TDS 2540, Chloride/Nitrate 300 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hg 7470/ FaNa 6010/ SbAsBaBeCdCrCoCuPbNiSeAgTlZn <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Field Sampling - Field Parameters <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Total Number of Containers <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)			
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=volatile, BT=Tissue, Ac=Air)		Special Instructions/Note: Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:			
2MW-27D 4MW-27 4MW-27D 2MW-15DA 2MW-24S		Special Instructions/Note: Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by: Relinquished by: Date/Time: 4/25/23 14:35 Company: SCS		Relinquished by: Relinquished by: MC Date/Time: 4/25/23 17:00 Company: SCS			
Relinquished by: Relinquished by: Date/Time: 4/25/23 17:00 Company: SCS		Relinquished by: Relinquished by: Date/Time: 4/26/23 8:00 Company: eurofins			
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No.: 1.3 / 0.8 Cooler Temperature(s) °C and Other Remarks:			



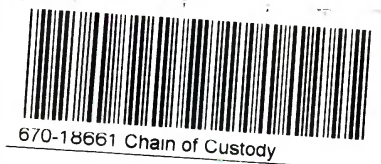
Eurofins Orlando

481 Newburyport Avenue
Altamonte Springs, FL 32701
Phone (407) 339-5984 Phone (407) 260-6110

Chain of Custody Record



Client Information		Sampler: <i>Fauve Herron / Donovan Dickey</i>		Lab PM: Kumm, Ryya		Carrier Tracking No(s):		COC No: 660-115210-36916.4						
Client Contact: Bob Curtis		Phone:		E-Mail: ryya.kumm@et.eurofinsus.com		State of Origin:		Page: Page 4 of 4 <i>10f1</i>						
Company: SCS Engineers				PWSID:		Analysis Requested								
Address: 3922 Coconut Palm Drive Suite 102		Due Date Requested:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 350.1 - Ammonia TDS 2540, Chloride/Nitrate 300 8260D - Appendix 1 Hg 7470/ Fe/Na 6010/ Sb/As/Ba/Cd/Cr/Cu/Pb/Ni/Se/Ag/Ti/V/Zn 6020 Field Sampling - Field Parameters		Total Number of containers		Job #:						
City: Tampa		TAT Requested (days): <i>10 day strd</i>						Preservation Codes:						
State, Zip: FL, 33619		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No						A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)				
Phone: 843-450-7467(Tel) <i>813 293 3403</i>		PO #: 09222055.01						Other:						
Email: bcurtis@scsengineers.com		WO #:												
Project Name: Pasco County LF		Project #: 66018510												
Site:		SSOW#:												
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia	TDS 2540, Chloride/Nitrate 300	8260D - Appendix 1	Hg 7470/ Fe/Na 6010/ Sb/As/Ba/Cd/Cr/Cu/Pb/Ni/Se/Ag/Ti/V/Zn 6020	Field Sampling - Field Parameters	Total Number of containers	Special Instructions/Note:
<i>2 MW-24D</i>		<i>4/26/23</i>	<i>810</i>	<i>G</i>	<i>W</i>									
<i>2 MW-25D</i>			<i>940</i>	<i>G</i>	<i>W</i>									
<i>2 MW-26D</i>			<i>1050</i>	<i>G</i>	<i>W</i>									
<i>4 MW-23</i>			<i>1205</i>	<i>G</i>	<i>W</i>									
<i>Duplicate 1</i>			<i>1225</i>	<i>G</i>	<i>W</i>									
<i>Equipment Blank</i>			<i>1305</i>	<i>G</i>	<i>W</i>									
<i>4 MW-11D</i>			<i>1312</i>	<i>G</i>	<i>W</i>									
<i>2 MW-18D</i>			<i>1228</i>	<i>G</i>	<i>W</i>									
<i>4 MW-3A</i>			<i>1135</i>	<i>G</i>	<i>W</i>									
<i>4 MW-5</i>			<i>1113</i>	<i>G</i>	<i>W</i>									
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:									
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:							
Relinquished by: <i>[Signature]</i>		Date/Time: <i>4/26/23 1450</i>		Company: <i>JCS</i>		Received by: <i>[Signature]</i>		Date/Time: <i>4/26/23 1450</i>		Company: <i>Curtis</i>				
Relinquished by: <i>[Signature]</i>		Date/Time: <i>4/26/23 17:01</i>		Company: <i>[Signature]</i>		Received by: <i>MC</i>		Date/Time: <i>4/27/23 800</i>		Company: <i>eurofins</i>				
Relinquished by: <i>[Signature]</i>		Date/Time:		Company:		Received by:		Date/Time:		Company:				
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>1.9 / 1.4</i>										



- 1
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Address:

Chain of Custody Record 641936

Eurofins Project #: 66018510



Environment Testing
America

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Company Name: SCS ENGINEERS		Client Contact	
Address: 3922 COCONUT PALM DR #102		Project Manager: KUMM, RYGA	
City/State/Zip: TAMPA, FL 33619		Tel/Email: ryga.kumme@eurofins.com	
Phone: 813 293 3403		Analysis Turnaround Time	
Fax:		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS	
Project Name: PASCO COUNTY LF		TAT if different from Below	
Site:		<input type="checkbox"/> 2 weeks	
P O # 09222055.01		<input type="checkbox"/> 1 week	
		<input type="checkbox"/> 2 days	
		<input type="checkbox"/> 1 day	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)
2MW-21D 2MW-2	4/27/23	835	G	W			350.1 - Ammonia TDS 2540 Chloride/ Nitrate 300
2MW-22		1016					82600-App 1
4MW-21		1140					Hg 7470/Fe Na 6010/ Sb As Ba Be Cd Cr Co Cu Pb
4MW-14D		1235					Ni Se Ag Tl V Zn 6020
4MW-2		1340					
4MW-9		0919					
4MW-8		1019					
4MW-7		1128					
4MW-12D		1228					
		1305					

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard Flammable Skin Irritant Poison B Unknown

Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments:
See prior COCs for this project for reference sample matrix

Custody Seals Intact: Yes No

Cooler Temp. (°C): Obsd: _____

Therm ID No.: _____

Relinquished by: _____ Company: **SCS** Date/Time: **4/27/23 1451** Received by: _____ Company: **Eurofins** Date/Time: **4/27/23 1452**

Relinquished by: _____ Company: **E2D** Date/Time: **4/27/23 17:05** Received by: _____ Company: _____ Date/Time: **4/28/23 0800**




3.5/3.0 °C
5.5/5.0 °C

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: PASCO COUNTY				SITE 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 2MW-27D			SAMPLE ID: 2MW-27D					DATE: 25 Apr-2023				
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER 3/16		WELL SCREEN INTERVAL DEPTH: 27 feet to 42 feet			STATIC DEPTH TO WATER (feet): 21.95		PURGE PUMP TYPE OR BAILER: PP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (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) = 0 gallons + (0.0014 gallons/foot X 36 feet) + 0.09 gallons = 0.421 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 34.5		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 34.5		PURGING INITIATED AT: 8:28		PURGING ENDED AT: 8:39		TOTAL VOLUME PURGED (gallons): 0.78				
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)	ORP (mV)	COLOR (describe)	ODOR (describe)
8:35	0.50	0.50	0.07	21.95	6.63	23.30	763	3.56/42.0%	3.13	167.00	Clear	No Odor
8:37	0.14	0.64	0.07	21.95	6.63	23.40	763	3.56/42.0%	3.12	150.00	Clear	No odor
8:39	0.14	0.78	0.07	21.95	6.63	23.40	763	3.56/42.0%	3.13	149.00	Clear	No Odor
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: Fauve Herron/SCS				SAMPLER(S) SIGNATURE(S): 				SAMPLING INITIATED: 8:40		SAMPLING ENDED AT: 8:48	
PUMP OR TUBING DEPTH IN WELL (feet): 34.5				TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y <u>N</u>		FILTER SIZE: µm		
FIELD DECONTAMINATION: PUMP Y <u>N</u>				TUBING Y <u>N (replaced)</u>				DUPLICATE: Y <u>N</u>			
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
2MW-27D	1	PE	500	----	0	6.63	TDS, Chloride, Nitrate	APP	~265		
2MW-27D	1	PE	500	H2SO4	0	<2	Ammonia	APP	~265		
2MW-27D	1	PE	120	HNO3	0	<2	As,Ag,Ba,Cd,Cr,Fe,Pb,Se,Hg,Be,Co,Cu,Na,Ni,Sb,Ti	APP	~265		
2MW-27D	3	CG	40	HCL	0	----	VOC	APP	~265		
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: January 30, 2017

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY		SITE 14230 Hays Rd, Spring Hill, FL 34610										
WELL NO: 4MW-27			SAMPLE ID: 4MW-27					DATE: 25 Apr-2023				
PURGING DATA												
WELL DIAMETER (inches): 4		TUBING DIAMETER 3/16		WELL SCREEN INTERVAL DEPTH: 67 feet to 77 feet			STATIC DEPTH TO WATER (feet): 20.40		PURGE PUMP TYPE OR BAILER: PP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (4 feet - 20.40 feet) X gallons/foot = gallons												
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME = 0 gallons + (0.0014 gallons/foot X 75 feet) + 0.09 gallons = 0.585 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 72		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 72		PURGING INITIATED AT: 9:25			PURGING ENDED AT: 9:45		TOTAL VOLUME PURGED (gallons): 0.95			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mol/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
9:41	0.75	0.75	0.05	20.40	8.89	24.10	403	1.59/19.0%	0.92	114.90	Clear	No Odor
9:43	0.10	0.85	0.05	20.40	8.89	24.10	403	1.67/20.0%	0.92	111.50	Clear	No Odor
9:45	0.10	0.95	0.05	20.40	8.89	24.10	403	1.59/19.0%	0.92	110.90	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED: 9:50		SAMPLING ENDED AT: 9:57		
PUMP OR TUBING DEPTH IN WELL (feet): 72			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y (N)		FILTER SIZE: µm			
FIELD DECONTAMINATION: PUMP Y (N)			TUBING Y (N replaced)			DUPLICATE: Y (N)					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
4MW-27	1	PE	500	----	0	8.89	TDS, Chloride, Nitrate	APP	~189		
4MW-27	1	PE	250	H2SO4	0	<2	Ammonia	APP	~189		
4MW-27	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~189		
4MW-27	3	CG	40	HCL	0	----	VOC	APP	~189		
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: January 30, 2017

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY					SITE: 14230 Hays Rd, Spring Hill, FL 34610							
WELL NO: 4MW-27D			SAMPLE ID: 4MW-27D					DATE: 25 Apr-2023				
PURGING DATA												
WELL DIAMETER (inches): 4		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 146 feet to 156 feet		STATIC DEPTH TO WATER (feet): 20.10		PURGE PUMP TYPE OR BAILER: PP				
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (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) = 0 gallons + (0.0014 gallons/foot X 155 feet) + 0.09 gallons = 0.921 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 151		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 151		PURGING INITIATED AT: 10:25		PURGING ENDED AT: 10:54		TOTAL VOLUME PURGED (gallons): 1.16				
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
10:50	1.00	1.00	0.04	20.10	8.26	24.80	277	0.74/9.0%	0.22	126.60	Clear	No Odor
10:52	0.08	1.08	0.04	20.10	8.26	24.80	276	0.74/9.0%	0.22	126.60	Clear	No Odor
10:54	0.08	1.16	0.04	20.10	8.26	24.80	277	0.74/9.0%	0.23	126.10	Clear	No Odor
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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)												

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Fauve Herron/SCS				SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED: 10:55		SAMPLING ENDED AT: 11:10		
PUMP OR TUBING DEPTH IN WELL (feet): 151				TUBING MATERIAL CODE: HDPE + S		FIELD-FILTERED: Y <u>N</u>		FILTER SIZE: µm				
FIELD DECONTAMINATION: PUMP Y <u>N</u>				TUBING Y <u>N (replaced)</u>				DUPLICATE: Y <u>N</u>				
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
4MW-27D	1	PE	500	----	0	8.26	TDS, Chloride, Nitrate	APP	~151			
4MW-27D	1	PE	250	H2SO4	0	<2	Ammonia	APP	~151			
4MW-27D	1	PE	250	HNO3	0	<2	As,Ag,Ba,Cd,Cr,Fe,Pb,Se,Hg,Be,Co,Cu,Na,Ni,Sb,Ti	APP	~151			
4MW-27D	3	CG	40	HCL	0	----	VOC	APP	~151			
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 = Bailor; 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: January 30, 2017

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY					SITE 14230 Hays Rd, Spring Hill, FL 34610							
WELL NO: 4MW-6			SAMPLE ID: 4MW-6					DATE: 25 Apr-2023				
PURGING DATA												
WELL DIAMETER (inches): 4		TUBING DIAMETER: 1/4		WELL SCREEN INTERVAL DEPTH: 73 feet to 100 feet			STATIC DEPTH TO WATER (feet): 27.27		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY												
= (100.0 feet - 27.27 feet) X 0.65 gallons/foot = 47.27 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): 73		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 73		PURGING INITIATED AT: 8:15			PURGING ENDED AT: 12:18		TOTAL VOLUME PURGED (gallons): 71.17			
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) mol/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
11:05	50.00	50.00	0.29	27.27	8.14	24.90	161.80	5.21/63.3%	0.10	-66.30	Clear	No Odor
11:49	12.76	62.76	0.29	27.27	8.13	25.00	161.80	5.26/64.0%	0.17	-66.20	Clear	No Odor
12:18	8.41	71.17	0.29	27.27	8.14	25.00	161.70	5.20/63.2%	0.21	-67.00	Clear	No Odor
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: Donovan Dickey/SCS				SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED: 12:19		SAMPLING ENDED AT: 12:21	
PUMP OR TUBING DEPTH IN WELL (feet): 73				TUBING MATERIAL CODE: HDPE + S				FIELD-FILTERED: Y <input checked="" type="checkbox"/> N		FILTER SIZE: μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N				TUBING Y <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: Y <input checked="" type="checkbox"/> 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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
4MW-6	1	PE	500	----	0	8.14	Tds, chloride, nitrate	APP	~1098		
4MW-6	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~1098		
4MW-6	1	PE	250	H2SO4	0	<2	Ammonia	APP	~1098		
4MW-6	3	CG	40	HCL	0	----	VOC	APP	~1098		
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:

- The above do not constitute all of the information required by Chapter 62-160, F.A.C.
- 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: January 30, 2017

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY					SITE: 14230 Hays Rd, Spring Hill, FL 34610							
WELL NO: 2MW-15DA			SAMPLE ID: 2MW-15DA				DATE: 25 Apr-2023					
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 34 feet to 44 feet			STATIC DEPTH TO WATER (feet): 24.60		PURGE PUMP TYPE OR BAILER: PP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (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) = 0 gallons + (0.0014 gallons/foot X 44 feet) + 0.09 gallons = 0.455 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 39		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 39		PURGING INITIATED AT: 11:40		PURGING ENDED AT: 12:03		TOTAL VOLUME PURGED (gallons): 0.62				
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) mol/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
11:59	0.50	0.50	0.03	24.60	7.78	27.10	153	0.33/4.2%	0.02	240.00	Clear	No Odor
12:01	0.06	0.56	0.03	24.60	7.78	27.10	152	0.33/4.2%	0.02	239.00	Clear	No Odor
12:03	0.06	0.62	0.03	24.60	7.78	27.10	153	0.32/4.1%	0.03	238.00	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED: 12:05		SAMPLING ENDED AT: 12:23		
PUMP OR TUBING DEPTH IN WELL (feet): 39			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y <u>N</u> Filtration Equipment Type:		FILTER SIZE: µm			
FIELD DECONTAMINATION: PUMP Y <u>N</u>			TUBING Y <u>N (replaced)</u>			DUPLICATE: Y <u>N</u>					
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
2MW-15DA	1	PE	500	---	0	7.78	TDS, Chloride, Nitrate	APP	~114		
2MW-15DA	1	PE	250	H2SO4	0	<2	Ammonia	APP	~114		
2MW-15DA	1	PE	250	HNO3	0	<2	As,Ag,Ba,Cd,Cr,Fe,Pb,Se, Hg,Be,Co,Cu,Na,Ni,Sb,Ti	APP	~114		
2MW-15DA	3	CG	40	HCL	0	---	VOC	APP	~114		
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; RFP = 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: January 30, 2017

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 4MW-4			SAMPLE ID: 4MW-4				DATE: 25 Apr-2023					
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 1/4		WELL SCREEN INTERVAL DEPTH: 22 feet to 50 feet		STATIC DEPTH TO WATER (feet): 26.50		PURGE PUMP TYPE OR BAILER: BP				
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (50.0 feet - 26.50 feet) X 0.16 gallons/foot = 3.76 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): 38		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 38		PURGING INITIATED AT: 12:25		PURGING ENDED AT: 13:07		TOTAL VOLUME PURGED (gallons): 5.52				
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mol/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
13:03	5.00	5.00	0.13	26.50	7.31	26.80	437	2.40/30.2%	2.07	-20.80	Clear	No Odor
13:05	0.26	5.26	0.13	26.50	7.40	26.90	437	2.51/31.6%	2.11	-22.20	Clear	No Odor
13:07	0.26	5.52	0.13	26.50	7.33	26.90	437	2.41/30.3%	2.06	-21.80	Clear	No Odor
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: Donovan Dickey/SCS			SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED: 13:08		SAMPLING ENDED AT: 13:11	
PUMP OR TUBING DEPTH IN WELL (feet): 38			TUBING MATERIAL CODE: HDPE + S		FIELD-FILTERED: Y <u>N</u>		FILTER SIZE: µm			
FIELD DECONTAMINATION: PUMP Y <u>N</u>			TUBING Y <u>N (replaced)</u>		DUPLICATE: Y <u>N</u>					
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
4MW-4	1	PE	500	---	0	7.33	TDS, chloride, nitrate	APP	~492	
4MW-4	1	PE	250	H2SO4	0	<2	Ammonia	APP	~492	
4MW-4	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~492	
4MW-4	3	CG	40	HCL	0	---	VOC	APP	~492	
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: January 30, 2017

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 2MW-24S				SAMPLE ID: 2MW-24S					DATE: 25 Apr-2023			
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 11 feet to 26 feet			STATIC DEPTH TO WATER (feet): 23.30		PURGE PUMP TYPE OR BAILER: PP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (26.0 feet - 23.30 feet) X 0.16 gallons/foot = 0.43 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): 25		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25		PURGING INITIATED AT: 12:50			PURGING ENDED AT: 13:21		TOTAL VOLUME PURGED (gallons): 0.87			
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) mol/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
13:17	0.75	0.75	0.03	23.30	7.17	29.20	102	0.34/4.5%	2.30	220.00	Clear	No Odor
13:19	0.06	0.81	0.03	23.30	7.17	29.20	102	0.34/4.5%	2.30	198.10	Clear	No Odor
13:21	0.06	0.87	0.03	23.30	7.17	29.20	102	0.34/4.5%	2.30	219.00	Clear	No Odor
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: Fauve Herron/SCS				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED: 13:22		SAMPLING ENDED AT: 13:41		
PUMP OR TUBING DEPTH IN WELL (feet): 25			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y (N)		FILTER SIZE: µm				
FIELD DECONTAMINATION: PUMP Y (N)				TUBING Y (N (replaced))				DUPLICATE: Y (N)				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
2MW-24S	1	PE	500	----	0	7.17	TDS, Chloride, Nitrate	APP	~114			
2MW-24S	1	PE	250	H2SO4	0	<2	Ammonia	APP	~114			
2MW-24S	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti.	APP	~114			
2MW-24S	3	CG	40	HCL	0	----	VOC	APP	~114			
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:

- The above do not constitute all of the information required by Chapter 62-160, F.A.C.
- 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: January 30, 2017

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 2MW-24D		SAMPLE ID: 2MW-24D		DATE: 26 Apr-2023								
PURGING DATA												
WELL DIAMETER (inches): 2	TUBING DIAMETER: 3/16	WELL SCREEN INTERVAL DEPTH: 34 feet to 44 feet		STATIC DEPTH TO WATER (feet): 23.50	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY												
= (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)												
= 0 gallons + (0.0014 gallons/foot X 44 feet) + 0.09 gallons = 0.455 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 39	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 39		PURGING INITIATED AT: 7:50	PURGING ENDED AT: 8:09	TOTAL VOLUME PURGED (gallons): 0.91							
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) mol/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
8:05	0.60	0.60	0.04	23.50	7.51	23.80	557	0.23/2.7%	1.73	127.60	Clear	No Odor
8:07	0.15	0.75	0.08	23.50	7.50	23.80	558	0.22/2.6%	1.74	247.60	Clear	No Odor
8:09	0.16	0.91	0.08	23.50	7.50	23.80	550	0.19/2.3%	1.73	126.00	Clear	No Odor
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: Fauve Herron/SCS			SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED: 8:10	SAMPLING ENDED AT: 8:18		
PUMP OR TUBING DEPTH IN WELL (feet): 39		TUBING MATERIAL CODE: HDPE + S		FIELD-FILTERED: Y <u>N</u>	FILTER SIZE: μm				
FIELD DECONTAMINATION: PUMP Y <u>N</u>		TUBING Y <u>N (replaced)</u>		DUPLICATE: Y <u>N</u>					
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
2MW-24D	1	PE	500	----	0	7.50	TDS, Chloride, Nitrate	APP	~303
2MW-24D	1	PE	250	H2SO4	0	<2	Ammonia	APP	~303
2MW-24D	1	PE	250	HNO3	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti	APP	~303
2MW-24D	3	CG	40	HCL	0	----	VOC	APP	~303
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; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES:

- The above do not constitute all of the information required by Chapter 62-160, F.A.C.
- 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, \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: January 30, 2017

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: PASCO COUNTY				SITE: 14230 Hays Rd, Spring Hill, FL 34610								
WELL NO: 4MW-12D			SAMPLE ID: 4MW-12D					DATE: 27 Apr-2023				
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 1/4		WELL SCREEN INTERVAL DEPTH: 30 feet to 55 feet			STATIC DEPTH TO WATER (feet): 28.10		PURGE PUMP TYPE OR BAILER: PP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY = (55.0 feet - 28.10 feet) X 0.16 gallons/foot = 4.3 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): 40		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 40		PURGING INITIATED AT: 12:50			PURGING ENDED AT: 13:04		TOTAL VOLUME PURGED (gallons): 7.00			
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) mol/L or $\%$ saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
13:00	5.00	5.00	0.50	28.10	7.35	26.40	452	2.19/27.4%	1.12	191.80	Clear	No Odor
13:02	1.00	6.00	0.50	28.10	7.35	26.40	452	2.10/26.2%	1.07	187.60	Clear	No Odor
13:04	1.00	7.00	0.50	28.10	7.35	26.40	452	2.15/26.9%	1.01	186.20	Clear	No Odor
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: Donovan Dickey/SCS				SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED: 13:05		SAMPLING ENDED AT: 13:06		
PUMP OR TUBING DEPTH IN WELL (feet): 40			TUBING MATERIAL CODE: HDPE + S			FIELD-FILTERED: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		FILTER SIZE: μm				
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>				TUBING: N (replaced)				DUPLICATE: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>				
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	TDS, chloride, nitrate		APP		~1893	
4MW-12D	1	PE	500	----	0	7.35	Ammonia		APP		~1893	
4MW-12D	1	PE	250	H2SO4	0	<2	As, Ag, Ba, Cd, Cr, Fe, Pb, Se, Hg, Be, Co, Cu, Na, Ni, Sb, Ti		APP		~1893	
4MW-12D	3	CG	40	HCL	0	----	VOC		APP		~1893	
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:

- The above do not constitute all of the information required by Chapter 62-160, F.A.C.
- 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: January 30, 2017

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 670-18597-1

Login Number: 18597

List Number: 1

Creator: Clerisier, Meline

List Source: Eurofins Orlando

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 670-18597-1

Login Number: 18661

List Number: 1

Creator: Clerisier, Meline

List Source: Eurofins Orlando

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 670-18597-1

Login Number: 18752


List Source: Eurofins Orlando

List Number: 1

Creator: Ferguson, Craig

Question	Answer	Comment
Radioactivity wasn't checked or is < /= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is < 6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Appendix D
Resampling Laboratory Analytical Report



ANALYTICAL REPORT

PREPARED FOR

Attn: Fauve Herron
SCS Engineers
3922 Coconut Palm Drive
Suite 102
Tampa, Florida 33619

Generated 7/19/2023 9:08:40 AM Revision 1

JOB DESCRIPTION

Pasco County LF

JOB NUMBER

660-130027-1

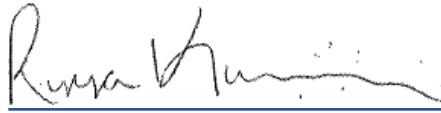
Eurofins Tampa

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
Ryya Kumm, Project Manager
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(407)339-5984



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Sample Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-130027-1	4MW-22	Water	06/27/23 09:40	06/27/23 14:50
660-130027-2	4MW-21	Water	06/27/23 10:32	06/27/23 14:50
660-130027-3	4MW-23	Water	06/27/23 12:25	06/27/23 14:50
660-130027-4	4MW-14D	Water	06/27/23 14:05	06/27/23 14:50
660-130043-1	2MW-27D	Water	06/28/23 09:55	06/28/23 11:57
660-130043-2	4MW-27	Water	06/28/23 10:40	06/28/23 11:57

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Detection Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 4MW-22

Lab Sample ID: 660-130027-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	16		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.54		0.40	0.20	mg/L	1		300.0	Total/NA
Iron	0.064		0.056	0.028	mg/L	1		6010D	Total Recoverable
Sodium	6.3		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.011		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	210		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW-21

Lab Sample ID: 660-130027-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	8.0		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	7.3		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	4.9		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.0089		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Cadmium	0.0011	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Cobalt	0.0011	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Vanadium	0.0017	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	42		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW-23

Lab Sample ID: 660-130027-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.0	I	10	4.5	ug/L	1		8260D	Total/NA
2-Hexanone	2.8	I	20	2.5	ug/L	1		8260D	Total/NA
Chloride	54		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	0.54		0.056	0.028	mg/L	1		6010D	Total Recoverable
Sodium	25		2.2	1.1	mg/L	1		6010D	Total Recoverable
Arsenic	0.0028	I	0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Barium	0.0078		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Ammonia (as N)	0.12		0.020	0.014	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	270		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW-14D

Lab Sample ID: 660-130027-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	48		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	0.59		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	12		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.012		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	250		5.0	5.0	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Tampa

Detection Summary

Client: SCS Engineers
 Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 2MW-27D

Lab Sample ID: 660-130043-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	77		0.40	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Nitrate as N	1.3		0.40	0.20	mg/L	1		300.0	Total/NA
Sodium	40		2.2	1.1	mg/L	1		6010D	Total Recoverable
Barium	0.024		0.0044	0.0022	mg/L	1		6020B	Total Recoverable
Vanadium	0.0015	I	0.0022	0.0011	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	410		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW-27

Lab Sample ID: 660-130043-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	0.097		0.0022	0.0011	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.



Case Narrative

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Job ID: 660-130027-1

Laboratory: Eurofins Tampa

Narrative

Job Narrative 660-130027-1

Revision

The report being provided is a revision of the original report sent on 7/7/2023. The report (revision 1) is being revised due to: the quality control qualifiers, receipt checklists, and chain of custody forms were updated in this amended report.

Receipt

The samples were received on 6/27/2023 2:50 PM and 6/28/2023 11:57 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 12.8°C and 18.7°C

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-41410 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane and trans-1,4-Dichloro-2-butene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 670-41410/5).

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-41410 recovered outside acceptance criteria, low biased, for Bromomethane and Chloroform. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 670-41410 recovered outside control limits for the following analytes: trans-1,4-Dichloro-2-butene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The matrix spike (MS) recoveries for analytical batch 670-41410 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-41635 recovered outside acceptance criteria, low biased, for Tetrachloroethene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-41635 recovered above the upper control limit for Vinyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 670-41635/3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFMS: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 670-41595 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Nitrate as N in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
L	Off-scale high. Actual value is known to be greater than the value given.
U	Indicates that the compound was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 4MW-22

Lab Sample ID: 660-130027-1

Date Collected: 06/27/23 09:40

Matrix: Water

Date Received: 06/27/23 14:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			06/28/23 17:48	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			06/28/23 17:48	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			06/28/23 17:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			06/28/23 17:48	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			06/28/23 17:48	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			06/28/23 17:48	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			06/28/23 17:48	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			06/28/23 17:48	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			06/28/23 17:48	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			06/28/23 17:48	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			06/28/23 17:48	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			06/28/23 17:48	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			06/28/23 17:48	1
2-Hexanone	2.5	U	20	2.5	ug/L			06/28/23 17:48	1
Acetone	25	U	50	25	ug/L			06/28/23 17:48	1
Acrylonitrile	5.0	U	10	5.0	ug/L			06/28/23 17:48	1
Benzene	0.71	U	1.0	0.71	ug/L			06/28/23 17:48	1
Bromoform	0.75	U	1.0	0.75	ug/L			06/28/23 17:48	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			06/28/23 17:48	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			06/28/23 17:48	1
Bromomethane	0.95	U	2.0	0.95	ug/L			06/28/23 17:48	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			06/28/23 17:48	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			06/28/23 17:48	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			06/28/23 17:48	1
Chloroethane	0.98	U	2.0	0.98	ug/L			06/28/23 17:48	1
Chloroform	0.80	U	5.0	0.80	ug/L			06/28/23 17:48	1
Chloromethane	0.82	U	2.0	0.82	ug/L			06/28/23 17:48	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			06/28/23 17:48	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			06/28/23 17:48	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			06/28/23 17:48	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			06/28/23 17:48	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			06/28/23 17:48	1
Iodomethane	2.5	U	10	2.5	ug/L			06/28/23 17:48	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			06/28/23 17:48	1
Methylene Chloride	5.0	U	10	5.0	ug/L			06/28/23 17:48	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			06/28/23 17:48	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			06/28/23 17:48	1
Styrene	0.61	U	1.0	0.61	ug/L			06/28/23 17:48	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			06/28/23 17:48	1
Toluene	0.72	U	1.0	0.72	ug/L			06/28/23 17:48	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			06/28/23 17:48	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			06/28/23 17:48	1
trans-1,4-Dichloro-2-butene	0.79	U J3	2.0	0.79	ug/L			06/28/23 17:48	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			06/28/23 17:48	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			06/28/23 17:48	1
Vinyl acetate	2.5	U	20	2.5	ug/L			06/28/23 17:48	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			06/28/23 17:48	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			06/28/23 17:48	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			06/28/23 17:48	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 4MW-22

Lab Sample ID: 660-130027-1

Date Collected: 06/27/23 09:40

Matrix: Water

Date Received: 06/27/23 14:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.53	U	1.0	0.53	ug/L			06/28/23 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		40 - 146		06/28/23 17:48	1
4-Bromofluorobenzene (Surr)	106		41 - 142		06/28/23 17:48	1
Dibromofluoromethane (Surr)	94		53 - 146		06/28/23 17:48	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16		0.40	0.20	mg/L			06/28/23 16:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.54		0.40	0.20	mg/L			06/28/23 16:55	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.064		0.056	0.028	mg/L		06/29/23 09:44	06/29/23 18:23	1
Sodium	6.3		2.2	1.1	mg/L		06/29/23 09:44	06/29/23 18:23	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:32	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:32	1
Barium	0.011		0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:32	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:32	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:32	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:32	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:32	1
Copper	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:32	1
Lead	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:32	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:32	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:32	1
Silver	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:32	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:32	1
Vanadium	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:32	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		06/29/23 10:08	06/30/23 13:18	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			07/05/23 17:01	1
Total Dissolved Solids (SM 2540C)	210		5.0	5.0	mg/L			06/30/23 14:30	1

Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 4MW-21

Lab Sample ID: 660-130027-2

Date Collected: 06/27/23 10:32

Matrix: Water

Date Received: 06/27/23 14:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			06/28/23 18:24	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			06/28/23 18:24	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			06/28/23 18:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			06/28/23 18:24	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			06/28/23 18:24	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			06/28/23 18:24	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			06/28/23 18:24	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			06/28/23 18:24	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			06/28/23 18:24	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			06/28/23 18:24	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			06/28/23 18:24	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			06/28/23 18:24	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			06/28/23 18:24	1
2-Hexanone	2.5	U	20	2.5	ug/L			06/28/23 18:24	1
Acetone	25	U	50	25	ug/L			06/28/23 18:24	1
Acrylonitrile	5.0	U	10	5.0	ug/L			06/28/23 18:24	1
Benzene	0.71	U	1.0	0.71	ug/L			06/28/23 18:24	1
Bromoform	0.75	U	1.0	0.75	ug/L			06/28/23 18:24	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			06/28/23 18:24	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			06/28/23 18:24	1
Bromomethane	0.95	U	2.0	0.95	ug/L			06/28/23 18:24	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			06/28/23 18:24	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			06/28/23 18:24	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			06/28/23 18:24	1
Chloroethane	0.98	U	2.0	0.98	ug/L			06/28/23 18:24	1
Chloroform	0.80	U	5.0	0.80	ug/L			06/28/23 18:24	1
Chloromethane	0.82	U	2.0	0.82	ug/L			06/28/23 18:24	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			06/28/23 18:24	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			06/28/23 18:24	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			06/28/23 18:24	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			06/28/23 18:24	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			06/28/23 18:24	1
Iodomethane	2.5	U J3	10	2.5	ug/L			06/28/23 18:24	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			06/28/23 18:24	1
Methylene Chloride	5.0	U	10	5.0	ug/L			06/28/23 18:24	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			06/28/23 18:24	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			06/28/23 18:24	1
Styrene	0.61	U	1.0	0.61	ug/L			06/28/23 18:24	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			06/28/23 18:24	1
Toluene	0.72	U	1.0	0.72	ug/L			06/28/23 18:24	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			06/28/23 18:24	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			06/28/23 18:24	1
trans-1,4-Dichloro-2-butene	0.79	U J3	2.0	0.79	ug/L			06/28/23 18:24	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			06/28/23 18:24	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			06/28/23 18:24	1
Vinyl acetate	2.5	U	20	2.5	ug/L			06/28/23 18:24	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			06/28/23 18:24	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			06/28/23 18:24	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			06/28/23 18:24	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 4MW-21

Lab Sample ID: 660-130027-2

Date Collected: 06/27/23 10:32

Matrix: Water

Date Received: 06/27/23 14:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.53	U	1.0	0.53	ug/L			06/28/23 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		40 - 146		06/28/23 18:24	1
4-Bromofluorobenzene (Surr)	106		41 - 142		06/28/23 18:24	1
Dibromofluoromethane (Surr)	94		53 - 146		06/28/23 18:24	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.0		0.40	0.20	mg/L			06/28/23 19:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	7.3		0.40	0.20	mg/L			06/28/23 19:07	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		06/29/23 09:44	06/29/23 18:26	1
Sodium	4.9		2.2	1.1	mg/L		06/29/23 09:44	06/29/23 18:26	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:35	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:35	1
Barium	0.0089		0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:35	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:35	1
Cadmium	0.0011	I	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:35	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:35	1
Cobalt	0.0011	I	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:35	1
Copper	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:35	1
Lead	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:35	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:35	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:35	1
Silver	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:35	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:35	1
Vanadium	0.0017	I	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:35	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		06/29/23 10:08	06/30/23 13:19	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			07/05/23 17:02	1
Total Dissolved Solids (SM 2540C)	42		5.0	5.0	mg/L			06/30/23 14:30	1

Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 4MW-23

Lab Sample ID: 660-130027-3

Date Collected: 06/27/23 12:25

Matrix: Water

Date Received: 06/27/23 14:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			06/28/23 19:19	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			06/28/23 19:19	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			06/28/23 19:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			06/28/23 19:19	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			06/28/23 19:19	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			06/28/23 19:19	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			06/28/23 19:19	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			06/28/23 19:19	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			06/28/23 19:19	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			06/28/23 19:19	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			06/28/23 19:19	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			06/28/23 19:19	1
2-Butanone (MEK)	5.0	I	10	4.5	ug/L			06/28/23 19:19	1
2-Hexanone	2.8	I	20	2.5	ug/L			06/28/23 19:19	1
Acetone	25	U	50	25	ug/L			06/28/23 19:19	1
Acrylonitrile	5.0	U	10	5.0	ug/L			06/28/23 19:19	1
Benzene	0.71	U	1.0	0.71	ug/L			06/28/23 19:19	1
Bromoform	0.75	U	1.0	0.75	ug/L			06/28/23 19:19	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			06/28/23 19:19	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			06/28/23 19:19	1
Bromomethane	0.95	U	2.0	0.95	ug/L			06/28/23 19:19	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			06/28/23 19:19	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			06/28/23 19:19	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			06/28/23 19:19	1
Chloroethane	0.98	U	2.0	0.98	ug/L			06/28/23 19:19	1
Chloroform	0.80	U	5.0	0.80	ug/L			06/28/23 19:19	1
Chloromethane	0.82	U	2.0	0.82	ug/L			06/28/23 19:19	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			06/28/23 19:19	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			06/28/23 19:19	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			06/28/23 19:19	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			06/28/23 19:19	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			06/28/23 19:19	1
Iodomethane	2.5	U	10	2.5	ug/L			06/28/23 19:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			06/28/23 19:19	1
Methylene Chloride	5.0	U	10	5.0	ug/L			06/28/23 19:19	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			06/28/23 19:19	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			06/28/23 19:19	1
Styrene	0.61	U	1.0	0.61	ug/L			06/28/23 19:19	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			06/28/23 19:19	1
Toluene	0.72	U	1.0	0.72	ug/L			06/28/23 19:19	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			06/28/23 19:19	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			06/28/23 19:19	1
trans-1,4-Dichloro-2-butene	0.79	U J3	2.0	0.79	ug/L			06/28/23 19:19	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			06/28/23 19:19	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			06/28/23 19:19	1
Vinyl acetate	2.5	U	20	2.5	ug/L			06/28/23 19:19	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			06/28/23 19:19	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			06/28/23 19:19	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			06/28/23 19:19	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 4MW-23

Lab Sample ID: 660-130027-3

Date Collected: 06/27/23 12:25

Matrix: Water

Date Received: 06/27/23 14:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.53	U	1.0	0.53	ug/L			06/28/23 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		40 - 146		06/28/23 19:19	1
4-Bromofluorobenzene (Surr)	105		41 - 142		06/28/23 19:19	1
Dibromofluoromethane (Surr)	95		53 - 146		06/28/23 19:19	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54		0.40	0.20	mg/L			06/28/23 19:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20	U	0.40	0.20	mg/L			06/28/23 19:28	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.54		0.056	0.028	mg/L		06/29/23 09:44	06/29/23 18:28	1
Sodium	25		2.2	1.1	mg/L		06/29/23 09:44	06/29/23 18:28	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:38	1
Arsenic	0.0028	I	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:38	1
Barium	0.0078		0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:38	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:38	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:38	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:38	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:38	1
Copper	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:38	1
Lead	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:38	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:38	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:38	1
Silver	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:38	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:38	1
Vanadium	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:38	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		06/29/23 10:08	06/30/23 13:21	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.12		0.020	0.014	mg/L			07/05/23 17:03	1
Total Dissolved Solids (SM 2540C)	270		5.0	5.0	mg/L			06/30/23 14:30	1

Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 4MW-14D

Lab Sample ID: 660-130027-4

Date Collected: 06/27/23 14:05

Matrix: Water

Date Received: 06/27/23 14:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			06/28/23 19:37	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			06/28/23 19:37	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			06/28/23 19:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			06/28/23 19:37	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			06/28/23 19:37	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			06/28/23 19:37	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			06/28/23 19:37	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			06/28/23 19:37	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			06/28/23 19:37	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			06/28/23 19:37	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			06/28/23 19:37	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			06/28/23 19:37	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			06/28/23 19:37	1
2-Hexanone	2.5	U	20	2.5	ug/L			06/28/23 19:37	1
Acetone	25	U	50	25	ug/L			06/28/23 19:37	1
Acrylonitrile	5.0	U	10	5.0	ug/L			06/28/23 19:37	1
Benzene	0.71	U	1.0	0.71	ug/L			06/28/23 19:37	1
Bromoform	0.75	U	1.0	0.75	ug/L			06/28/23 19:37	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			06/28/23 19:37	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			06/28/23 19:37	1
Bromomethane	0.95	U	2.0	0.95	ug/L			06/28/23 19:37	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			06/28/23 19:37	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			06/28/23 19:37	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			06/28/23 19:37	1
Chloroethane	0.98	U	2.0	0.98	ug/L			06/28/23 19:37	1
Chloroform	0.80	U	5.0	0.80	ug/L			06/28/23 19:37	1
Chloromethane	0.82	U	2.0	0.82	ug/L			06/28/23 19:37	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			06/28/23 19:37	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			06/28/23 19:37	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			06/28/23 19:37	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			06/28/23 19:37	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			06/28/23 19:37	1
Iodomethane	2.5	U	10	2.5	ug/L			06/28/23 19:37	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			06/28/23 19:37	1
Methylene Chloride	5.0	U	10	5.0	ug/L			06/28/23 19:37	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			06/28/23 19:37	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			06/28/23 19:37	1
Styrene	0.61	U	1.0	0.61	ug/L			06/28/23 19:37	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			06/28/23 19:37	1
Toluene	0.72	U	1.0	0.72	ug/L			06/28/23 19:37	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			06/28/23 19:37	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			06/28/23 19:37	1
trans-1,4-Dichloro-2-butene	0.79	U J3	2.0	0.79	ug/L			06/28/23 19:37	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			06/28/23 19:37	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			06/28/23 19:37	1
Vinyl acetate	2.5	U	20	2.5	ug/L			06/28/23 19:37	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			06/28/23 19:37	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			06/28/23 19:37	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			06/28/23 19:37	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 4MW-14D

Lab Sample ID: 660-130027-4

Date Collected: 06/27/23 14:05

Matrix: Water

Date Received: 06/27/23 14:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.53	U	1.0	0.53	ug/L			06/28/23 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		40 - 146		06/28/23 19:37	1
4-Bromofluorobenzene (Surr)	108		41 - 142		06/28/23 19:37	1
Dibromofluoromethane (Surr)	93		53 - 146		06/28/23 19:37	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48		0.40	0.20	mg/L			06/28/23 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.59		0.40	0.20	mg/L			06/28/23 19:50	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		06/29/23 09:44	06/29/23 18:31	1
Sodium	12		2.2	1.1	mg/L		06/29/23 09:44	06/29/23 18:31	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:40	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:40	1
Barium	0.012		0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:40	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:40	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:40	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:40	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:40	1
Copper	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:40	1
Lead	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:40	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:40	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:40	1
Silver	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:40	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:40	1
Vanadium	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:40	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		06/29/23 10:08	06/30/23 13:22	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			07/05/23 17:04	1
Total Dissolved Solids (SM 2540C)	250		5.0	5.0	mg/L			06/30/23 14:30	1

Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 2MW-27D

Lab Sample ID: 660-130043-1

Date Collected: 06/28/23 09:55

Matrix: Water

Date Received: 06/28/23 11:57

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			06/29/23 17:04	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			06/29/23 17:04	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			06/29/23 17:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			06/29/23 17:04	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			06/29/23 17:04	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			06/29/23 17:04	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			06/29/23 17:04	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			06/29/23 17:04	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			06/29/23 17:04	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			06/29/23 17:04	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			06/29/23 17:04	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			06/29/23 17:04	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			06/29/23 17:04	1
2-Hexanone	2.5	U	20	2.5	ug/L			06/29/23 17:04	1
Acetone	25	U	50	25	ug/L			06/29/23 17:04	1
Acrylonitrile	5.0	U	10	5.0	ug/L			06/29/23 17:04	1
Benzene	0.71	U	1.0	0.71	ug/L			06/29/23 17:04	1
Bromoform	0.75	U	1.0	0.75	ug/L			06/29/23 17:04	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			06/29/23 17:04	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			06/29/23 17:04	1
Bromomethane	0.95	U	2.0	0.95	ug/L			06/29/23 17:04	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			06/29/23 17:04	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			06/29/23 17:04	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			06/29/23 17:04	1
Chloroethane	0.98	U	2.0	0.98	ug/L			06/29/23 17:04	1
Chloroform	0.80	U	5.0	0.80	ug/L			06/29/23 17:04	1
Chloromethane	0.82	U	2.0	0.82	ug/L			06/29/23 17:04	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			06/29/23 17:04	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			06/29/23 17:04	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			06/29/23 17:04	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			06/29/23 17:04	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			06/29/23 17:04	1
Iodomethane	2.5	U	10	2.5	ug/L			06/29/23 17:04	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			06/29/23 17:04	1
Methylene Chloride	5.0	U	10	5.0	ug/L			06/29/23 17:04	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			06/29/23 17:04	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			06/29/23 17:04	1
Styrene	0.61	U	1.0	0.61	ug/L			06/29/23 17:04	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			06/29/23 17:04	1
Toluene	0.72	U	1.0	0.72	ug/L			06/29/23 17:04	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			06/29/23 17:04	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			06/29/23 17:04	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			06/29/23 17:04	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			06/29/23 17:04	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			06/29/23 17:04	1
Vinyl acetate	2.5	U	20	2.5	ug/L			06/29/23 17:04	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			06/29/23 17:04	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			06/29/23 17:04	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			06/29/23 17:04	1

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Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 2MW-27D

Lab Sample ID: 660-130043-1

Date Collected: 06/28/23 09:55

Matrix: Water

Date Received: 06/28/23 11:57

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.53	U	1.0	0.53	ug/L			06/29/23 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		40 - 146		06/29/23 17:04	1
4-Bromofluorobenzene (Surr)	103		41 - 142		06/29/23 17:04	1
Dibromofluoromethane (Surr)	99		53 - 146		06/29/23 17:04	1

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77		0.40	0.20	mg/L			06/29/23 18:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.3		0.40	0.20	mg/L			06/29/23 18:06	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	U	0.056	0.028	mg/L		06/29/23 09:44	06/29/23 18:34	1
Sodium	40		2.2	1.1	mg/L		06/29/23 09:44	06/29/23 18:34	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:43	1
Arsenic	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:43	1
Barium	0.024		0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:43	1
Beryllium	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:43	1
Cadmium	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:43	1
Chromium	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:43	1
Cobalt	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:43	1
Copper	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:43	1
Lead	0.0011	U	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:43	1
Nickel	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:43	1
Selenium	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:43	1
Silver	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:43	1
Thallium	0.00056	U	0.0011	0.00056	mg/L		06/29/23 09:46	06/29/23 16:43	1
Vanadium	0.0015	I	0.0022	0.0011	mg/L		06/29/23 09:46	06/29/23 16:43	1
Zinc	0.0022	U	0.0044	0.0022	mg/L		06/29/23 09:46	06/29/23 16:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		06/29/23 10:08	06/30/23 13:23	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (MCAWW 350.1-1993 R2.0)	0.014	U	0.020	0.014	mg/L			07/05/23 16:57	1
Total Dissolved Solids (SM 2540C)	410		5.0	5.0	mg/L			07/01/23 13:40	1

Client Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 4MW-27
Date Collected: 06/28/23 10:40
Date Received: 06/28/23 11:57

Lab Sample ID: 660-130043-2
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	0.097		0.0022	0.0011	mg/L		06/29/23 16:21	06/30/23 16:25	1

- 1
- 2
- 3
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- 11
- 12
- 13
- 14
- 15

QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 670-41410/9
Matrix: Water
Analysis Batch: 41410

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			06/28/23 17:29	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			06/28/23 17:29	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			06/28/23 17:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			06/28/23 17:29	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			06/28/23 17:29	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			06/28/23 17:29	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			06/28/23 17:29	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			06/28/23 17:29	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			06/28/23 17:29	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			06/28/23 17:29	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			06/28/23 17:29	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			06/28/23 17:29	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			06/28/23 17:29	1
2-Hexanone	2.5	U	20	2.5	ug/L			06/28/23 17:29	1
Acetone	25	U	50	25	ug/L			06/28/23 17:29	1
Acrylonitrile	5.0	U	10	5.0	ug/L			06/28/23 17:29	1
Benzene	0.71	U	1.0	0.71	ug/L			06/28/23 17:29	1
Bromoform	0.75	U	1.0	0.75	ug/L			06/28/23 17:29	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			06/28/23 17:29	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			06/28/23 17:29	1
Bromomethane	0.95	U	2.0	0.95	ug/L			06/28/23 17:29	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			06/28/23 17:29	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			06/28/23 17:29	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			06/28/23 17:29	1
Chloroethane	0.98	U	2.0	0.98	ug/L			06/28/23 17:29	1
Chloroform	0.80	U	5.0	0.80	ug/L			06/28/23 17:29	1
Chloromethane	0.82	U	2.0	0.82	ug/L			06/28/23 17:29	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			06/28/23 17:29	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			06/28/23 17:29	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			06/28/23 17:29	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			06/28/23 17:29	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			06/28/23 17:29	1
Iodomethane	2.5	U	10	2.5	ug/L			06/28/23 17:29	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			06/28/23 17:29	1
Methylene Chloride	5.0	U	10	5.0	ug/L			06/28/23 17:29	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			06/28/23 17:29	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			06/28/23 17:29	1
Styrene	0.61	U	1.0	0.61	ug/L			06/28/23 17:29	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			06/28/23 17:29	1
Toluene	0.72	U	1.0	0.72	ug/L			06/28/23 17:29	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			06/28/23 17:29	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			06/28/23 17:29	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			06/28/23 17:29	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			06/28/23 17:29	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			06/28/23 17:29	1
Vinyl acetate	2.5	U	20	2.5	ug/L			06/28/23 17:29	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			06/28/23 17:29	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			06/28/23 17:29	1

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-41410/9
Matrix: Water
Analysis Batch: 41410

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			06/28/23 17:29	1
o-Xylene	0.53	U	1.0	0.53	ug/L			06/28/23 17:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	93		40 - 146					06/28/23 17:29	1
<i>4-Bromofluorobenzene (Surr)</i>	107		41 - 142					06/28/23 17:29	1
<i>Dibromofluoromethane (Surr)</i>	93		53 - 146					06/28/23 17:29	1

Lab Sample ID: LCS 670-41410/6
Matrix: Water
Analysis Batch: 41410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.71		ug/L		94	54 - 141
1,1,1-Trichloroethane	5.00	4.08		ug/L		82	57 - 148
1,1,2,2-Tetrachloroethane	5.00	6.43		ug/L		129	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	4.19		ug/L		84	47 - 173
1,1,2-Trichloroethane	5.00	4.27		ug/L		85	57 - 141
1,1-Dichloroethane	5.00	3.97		ug/L		79	57 - 142
1,1-Dichloroethene	5.00	4.04		ug/L		81	47 - 139
1,2,3-Trichloropropane	5.00	7.03		ug/L		141	57 - 141
1,2-Dibromo-3-Chloropropane	5.00	7.34	I	ug/L		147	48 - 150
Ethylene Dibromide	5.00	4.41	I	ug/L		88	57 - 140
1,2-Dichloroethane	5.00	4.32		ug/L		86	50 - 156
1,2-Dichloropropane	5.00	4.14		ug/L		83	61 - 133
2-Butanone (MEK)	50.0	67.4		ug/L		135	10 - 180
2-Hexanone	50.0	61.6		ug/L		123	12 - 180
Acetone	50.0	71.8		ug/L		144	10 - 180
Acrylonitrile	50.0	56.4		ug/L		113	35 - 180
Benzene	5.00	3.97		ug/L		79	56 - 136
Bromoform	5.00	5.69		ug/L		114	46 - 148
Chlorobromomethane	5.00	4.03		ug/L		81	54 - 141
Dichlorobromomethane	5.00	3.84		ug/L		77	58 - 135
Bromomethane	5.00	3.33		ug/L		67	10 - 173
Carbon disulfide	5.00	4.16	I	ug/L		83	43 - 153
Carbon tetrachloride	5.00	4.08		ug/L		82	54 - 156
Chlorobenzene	5.00	4.81		ug/L		96	51 - 139
Chloroethane	5.00	3.59		ug/L		72	27 - 180
Chloroform	5.00	3.80	I	ug/L		76	58 - 139
Chloromethane	5.00	3.71		ug/L		74	33 - 154
cis-1,2-Dichloroethene	5.00	4.02		ug/L		80	56 - 128
cis-1,3-Dichloropropene	5.00	3.88		ug/L		78	64 - 128
Chlorodibromomethane	5.00	4.15		ug/L		83	50 - 140
Dibromomethane	5.00	4.47		ug/L		89	59 - 143
Ethylbenzene	5.00	4.67		ug/L		93	63 - 133
Iodomethane	5.00	6.39	I	ug/L		128	28 - 147
4-Methyl-2-pentanone (MIBK)	50.0	59.1		ug/L		118	19 - 180
Methylene Chloride	5.00	5.80	I	ug/L		116	43 - 142

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-41410/6
Matrix: Water
Analysis Batch: 41410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	5.00	5.48		ug/L		110	63 - 131
1,4-Dichlorobenzene	5.00	5.60		ug/L		112	65 - 133
Styrene	5.00	4.42		ug/L		88	59 - 136
Tetrachloroethene	5.00	4.02		ug/L		80	60 - 147
Toluene	5.00	4.06		ug/L		81	64 - 131
trans-1,2-Dichloroethene	5.00	3.99		ug/L		80	54 - 134
trans-1,3-Dichloropropene	5.00	4.36		ug/L		87	65 - 149
trans-1,4-Dichloro-2-butene	5.00	6.21	J3	ug/L		124	30 - 122
Trichloroethene	5.00	4.12		ug/L		82	62 - 135
Trichlorofluoromethane	5.00	4.07		ug/L		81	56 - 155
Vinyl acetate	10.0	10.6	I	ug/L		106	50 - 150
Vinyl chloride	5.00	3.44		ug/L		69	20 - 167
Xylenes, Total	10.0	9.33		ug/L		93	50 - 150
m,p-Xylenes	5.00	4.67		ug/L		93	64 - 133
o-Xylene	5.00	4.66		ug/L		93	61 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	93		40 - 146
4-Bromofluorobenzene (Surr)	105		41 - 142
Dibromofluoromethane (Surr)	93		53 - 146

Lab Sample ID: 660-130027-2 MS
Matrix: Water
Analysis Batch: 41410

Client Sample ID: 4MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.61	U	20.0	19.9		ug/L		99	54 - 141
1,1,1-Trichloroethane	0.80	U	20.0	17.4		ug/L		87	57 - 148
1,1,2,2-Tetrachloroethane	0.54	U	20.0	24.7		ug/L		124	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	20.0	18.2		ug/L		91	50 - 150
1,1,2-Trichloroethane	0.76	U	20.0	17.4		ug/L		87	57 - 141
1,1-Dichloroethane	0.62	U	20.0	16.9		ug/L		84	57 - 142
1,1-Dichloroethene	0.94	U	20.0	18.7		ug/L		93	49 - 139
1,2,3-Trichloropropane	0.64	U	20.0	24.5		ug/L		122	57 - 141
1,2-Dibromo-3-Chloropropane	0.96	U	20.0	22.8		ug/L		114	48 - 150
Ethylene Dibromide	0.78	U	20.0	17.6		ug/L		88	50 - 150
1,2-Dichloroethane	0.63	U	20.0	16.5		ug/L		82	50 - 156
1,2-Dichloropropane	0.80	U	20.0	16.9		ug/L		85	61 - 133
2-Butanone (MEK)	4.5	U	200	192		ug/L		96	10 - 180
2-Hexanone	2.5	U	200	206		ug/L		103	12 - 180
Acetone	25	U	200	163		ug/L		81	10 - 180
Acrylonitrile	5.0	U	200	192		ug/L		96	50 - 150
Benzene	0.71	U	20.0	17.0		ug/L		85	56 - 136
Bromoform	0.75	U	20.0	21.9		ug/L		109	46 - 148
Chlorobromomethane	0.94	U	20.0	16.5		ug/L		83	50 - 150
Dichlorobromomethane	0.52	U	20.0	16.6		ug/L		83	58 - 135
Bromomethane	0.95	U	20.0	12.8		ug/L		64	10 - 173
Carbon disulfide	2.5	U	20.0	18.4		ug/L		92	43 - 153

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 660-130027-2 MS
Matrix: Water
Analysis Batch: 41410

Client Sample ID: 4MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	0.94	U	20.0	17.5		ug/L		88	54 - 156
Chlorobenzene	0.72	U	20.0	19.9		ug/L		99	51 - 139
Chloroethane	0.98	U	20.0	17.7		ug/L		88	27 - 180
Chloroform	0.80	U	20.0	15.8		ug/L		79	59 - 139
Chloromethane	0.82	U	20.0	13.3		ug/L		67	33 - 154
cis-1,2-Dichloroethene	0.53	U	20.0	16.9		ug/L		84	56 - 128
cis-1,3-Dichloropropene	0.59	U	20.0	16.0		ug/L		80	64 - 128
Chlorodibromomethane	0.50	U	20.0	17.5		ug/L		87	50 - 150
Dibromomethane	0.84	U	20.0	17.8		ug/L		89	59 - 143
Ethylbenzene	0.69	U	20.0	19.9		ug/L		100	63 - 133
Iodomethane	2.5	U J3	20.0	11.5	J3	ug/L		34	50 - 150
4-Methyl-2-pentanone (MIBK)	5.0	U	200	207		ug/L		103	19 - 180
Methylene Chloride	5.0	U	20.0	16.1		ug/L		81	43 - 142
1,2-Dichlorobenzene	0.73	U	20.0	21.6		ug/L		108	63 - 131
1,4-Dichlorobenzene	0.76	U	20.0	21.9		ug/L		110	65 - 133
Styrene	0.61	U	20.0	19.6		ug/L		98	59 - 136
Tetrachloroethene	0.76	U	20.0	16.8		ug/L		84	60 - 147
Toluene	0.72	U	20.0	17.0		ug/L		85	64 - 131
trans-1,2-Dichloroethene	0.73	U	20.0	17.7		ug/L		89	54 - 134
trans-1,3-Dichloropropene	0.73	U	20.0	17.2		ug/L		86	65 - 149
trans-1,4-Dichloro-2-butene	0.79	U J3	20.0	23.4		ug/L		117	30 - 122
Trichloroethene	0.89	U	20.0	17.0		ug/L		85	62 - 135
Trichlorofluoromethane	0.94	U	20.0	17.7		ug/L		89	56 - 155
Vinyl acetate	2.5	U	40.0	39.3		ug/L		98	50 - 150
Vinyl chloride	0.71	U	20.0	14.9		ug/L		75	20 - 167
Xylenes, Total	1.3	U	40.0	39.7		ug/L		99	50 - 150
m,p-Xylenes	1.3	U	20.0	19.9		ug/L		100	64 - 133
o-Xylene	0.53	U	20.0	19.8		ug/L		99	61 - 129

Surrogate	MS %Recovery	MS Qualifier	MS Limits
Toluene-d8 (Surr)	93		40 - 146
4-Bromofluorobenzene (Surr)	105		41 - 142
Dibromofluoromethane (Surr)	94		53 - 146

Lab Sample ID: 660-130027-1 DU
Matrix: Water
Analysis Batch: 41410

Client Sample ID: 4MW-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.61	U	0.61	U	ug/L		NC	30
1,1,1-Trichloroethane	0.80	U	0.80	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.54	U	0.54	U	ug/L		NC	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	0.73	U	ug/L		NC	30
1,1,2-Trichloroethane	0.76	U	0.76	U	ug/L		NC	30
1,1-Dichloroethane	0.62	U	0.62	U	ug/L		NC	30
1,1-Dichloroethene	0.94	U	0.94	U	ug/L		NC	30
1,2,3-Trichloropropane	0.64	U	0.64	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	0.96	U	0.96	U	ug/L		NC	30

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 660-130027-1 DU
Matrix: Water
Analysis Batch: 41410

Client Sample ID: 4MW-22
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				
Ethylene Dibromide	0.78	U	0.78	U	ug/L		NC	30
1,2-Dichloroethane	0.63	U	0.63	U	ug/L		NC	30
1,2-Dichloropropane	0.80	U	0.80	U	ug/L		NC	30
2-Butanone (MEK)	4.5	U	4.5	U	ug/L		NC	30
2-Hexanone	2.5	U	2.5	U	ug/L		NC	30
Acetone	25	U	25	U	ug/L		NC	30
Acrylonitrile	5.0	U	5.0	U	ug/L		NC	30
Benzene	0.71	U	0.71	U	ug/L		NC	30
Bromoform	0.75	U	0.75	U	ug/L		NC	30
Chlorobromomethane	0.94	U	0.94	U	ug/L		NC	30
Dichlorobromomethane	0.52	U	0.52	U	ug/L		NC	30
Bromomethane	0.95	U	0.95	U	ug/L		NC	30
Carbon disulfide	2.5	U	2.5	U	ug/L		NC	30
Carbon tetrachloride	0.94	U	0.94	U	ug/L		NC	30
Chlorobenzene	0.72	U	0.72	U	ug/L		NC	30
Chloroethane	0.98	U	0.98	U	ug/L		NC	30
Chloroform	0.80	U	0.80	U	ug/L		NC	30
Chloromethane	0.82	U	0.82	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.53	U	0.53	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.59	U	0.59	U	ug/L		NC	30
Chlorodibromomethane	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.84	U	0.84	U	ug/L		NC	30
Ethylbenzene	0.69	U	0.69	U	ug/L		NC	30
Iodomethane	2.5	U	2.5	U	ug/L		NC	30
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	U	ug/L		NC	30
Methylene Chloride	5.0	U	5.0	U	ug/L		NC	30
1,2-Dichlorobenzene	0.73	U	0.73	U	ug/L		NC	30
1,4-Dichlorobenzene	0.76	U	0.76	U	ug/L		NC	30
Styrene	0.61	U	0.61	U	ug/L		NC	30
Tetrachloroethene	0.76	U	0.76	U	ug/L		NC	30
Toluene	0.72	U	0.72	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.73	U	0.73	U	ug/L		NC	20
trans-1,3-Dichloropropene	0.73	U	0.73	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene	0.79	U J3	0.79	U J3	ug/L		NC	30
Trichloroethene	0.89	U	0.89	U	ug/L		NC	30
Trichlorofluoromethane	0.94	U	0.94	U	ug/L		NC	30
Vinyl acetate	2.5	U	2.5	U	ug/L		NC	30
Vinyl chloride	0.71	U	0.71	U	ug/L		NC	30
Xylenes, Total	1.3	U	1.3	U	ug/L		NC	30
m,p-Xylenes	1.3	U	1.3	U	ug/L		NC	30
o-Xylene	0.53	U	0.53	U	ug/L		NC	30

Surrogate	DU %Recovery	DU Qualifier	Limits
Toluene-d8 (Surr)	92		40 - 146
4-Bromofluorobenzene (Surr)	107		41 - 142
Dibromofluoromethane (Surr)	93		53 - 146

QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-41635/7
Matrix: Water
Analysis Batch: 41635

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			06/29/23 14:52	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			06/29/23 14:52	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			06/29/23 14:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	2.0	0.73	ug/L			06/29/23 14:52	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			06/29/23 14:52	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			06/29/23 14:52	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			06/29/23 14:52	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			06/29/23 14:52	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			06/29/23 14:52	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			06/29/23 14:52	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			06/29/23 14:52	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			06/29/23 14:52	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			06/29/23 14:52	1
2-Hexanone	2.5	U	20	2.5	ug/L			06/29/23 14:52	1
Acetone	25	U	50	25	ug/L			06/29/23 14:52	1
Acrylonitrile	5.0	U	10	5.0	ug/L			06/29/23 14:52	1
Benzene	0.71	U	1.0	0.71	ug/L			06/29/23 14:52	1
Bromoform	0.75	U	1.0	0.75	ug/L			06/29/23 14:52	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			06/29/23 14:52	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			06/29/23 14:52	1
Bromomethane	0.95	U	2.0	0.95	ug/L			06/29/23 14:52	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			06/29/23 14:52	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			06/29/23 14:52	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			06/29/23 14:52	1
Chloroethane	0.98	U	2.0	0.98	ug/L			06/29/23 14:52	1
Chloroform	0.80	U	5.0	0.80	ug/L			06/29/23 14:52	1
Chloromethane	0.82	U	2.0	0.82	ug/L			06/29/23 14:52	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			06/29/23 14:52	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			06/29/23 14:52	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			06/29/23 14:52	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			06/29/23 14:52	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			06/29/23 14:52	1
Iodomethane	2.5	U	10	2.5	ug/L			06/29/23 14:52	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			06/29/23 14:52	1
Methylene Chloride	5.0	U	10	5.0	ug/L			06/29/23 14:52	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			06/29/23 14:52	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			06/29/23 14:52	1
Styrene	0.61	U	1.0	0.61	ug/L			06/29/23 14:52	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			06/29/23 14:52	1
Toluene	0.72	U	1.0	0.72	ug/L			06/29/23 14:52	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			06/29/23 14:52	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			06/29/23 14:52	1
trans-1,4-Dichloro-2-butene	0.79	U	2.0	0.79	ug/L			06/29/23 14:52	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			06/29/23 14:52	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			06/29/23 14:52	1
Vinyl acetate	2.5	U	20	2.5	ug/L			06/29/23 14:52	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			06/29/23 14:52	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			06/29/23 14:52	1

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QC Sample Results

Client: SCS Engineers
 Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-41635/7
Matrix: Water
Analysis Batch: 41635

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			06/29/23 14:52	1
o-Xylene	0.53	U	1.0	0.53	ug/L			06/29/23 14:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	99		40 - 146					06/29/23 14:52	1
<i>4-Bromofluorobenzene (Surr)</i>	103		41 - 142					06/29/23 14:52	1
<i>Dibromofluoromethane (Surr)</i>	100		53 - 146					06/29/23 14:52	1

Lab Sample ID: LCS 670-41635/4
Matrix: Water
Analysis Batch: 41635

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	18.2		ug/L		91	54 - 141
1,1,1-Trichloroethane	20.0	19.0		ug/L		95	57 - 148
1,1,2,2-Tetrachloroethane	20.0	21.5		ug/L		108	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.6		ug/L		88	47 - 173
1,1,2-Trichloroethane	20.0	20.2		ug/L		101	57 - 141
1,1-Dichloroethane	20.0	19.5		ug/L		98	57 - 142
1,1-Dichloroethene	20.0	19.6		ug/L		98	47 - 139
1,2,3-Trichloropropane	20.0	19.4		ug/L		97	57 - 141
1,2-Dibromo-3-Chloropropane	20.0	18.5		ug/L		92	48 - 150
Ethylene Dibromide	20.0	19.0		ug/L		95	57 - 140
1,2-Dichloroethane	20.0	18.7		ug/L		94	50 - 156
1,2-Dichloropropane	20.0	20.3		ug/L		102	61 - 133
2-Butanone (MEK)	200	213		ug/L		107	10 - 180
2-Hexanone	200	225		ug/L		112	12 - 180
Acetone	200	198		ug/L		99	10 - 180
Acrylonitrile	200	205		ug/L		103	35 - 180
Benzene	20.0	19.3		ug/L		96	56 - 136
Bromoform	20.0	18.6		ug/L		93	46 - 148
Chlorobromomethane	20.0	19.0		ug/L		95	54 - 141
Dichlorobromomethane	20.0	19.6		ug/L		98	58 - 135
Bromomethane	20.0	16.7		ug/L		84	10 - 173
Carbon disulfide	20.0	17.8		ug/L		89	43 - 153
Carbon tetrachloride	20.0	19.1		ug/L		95	54 - 156
Chlorobenzene	20.0	18.2		ug/L		91	51 - 139
Chloroethane	20.0	20.3		ug/L		101	27 - 180
Chloroform	20.0	18.0		ug/L		90	58 - 139
Chloromethane	20.0	20.0		ug/L		100	33 - 154
cis-1,2-Dichloroethene	20.0	18.1		ug/L		91	56 - 128
cis-1,3-Dichloropropene	20.0	19.2		ug/L		96	64 - 128
Chlorodibromomethane	20.0	19.5		ug/L		98	50 - 140
Dibromomethane	20.0	19.3		ug/L		97	59 - 143
Ethylbenzene	20.0	18.0		ug/L		90	63 - 133
Iodomethane	20.0	20.9		ug/L		104	28 - 147
4-Methyl-2-pentanone (MIBK)	200	225		ug/L		112	19 - 180
Methylene Chloride	20.0	19.9		ug/L		99	43 - 142

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-41635/4
Matrix: Water
Analysis Batch: 41635

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	63 - 131
1,4-Dichlorobenzene	20.0	18.5		ug/L		93	65 - 133
Styrene	20.0	18.3		ug/L		92	59 - 136
Tetrachloroethene	20.0	14.5		ug/L		72	60 - 147
Toluene	20.0	18.5		ug/L		92	64 - 131
trans-1,2-Dichloroethene	20.0	18.9		ug/L		95	54 - 134
trans-1,3-Dichloropropene	20.0	19.7		ug/L		99	65 - 149
trans-1,4-Dichloro-2-butene	20.0	18.7		ug/L		94	30 - 122
Trichloroethene	20.0	17.4		ug/L		87	62 - 135
Trichlorofluoromethane	20.0	19.5		ug/L		98	56 - 155
Vinyl acetate	40.0	56.2		ug/L		141	50 - 150
Vinyl chloride	20.0	20.2		ug/L		101	20 - 167
Xylenes, Total	40.0	36.7		ug/L		92	50 - 150
m,p-Xylenes	20.0	18.6		ug/L		93	64 - 133
o-Xylene	20.0	18.1		ug/L		91	61 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	103		40 - 146
4-Bromofluorobenzene (Surr)	106		41 - 142
Dibromofluoromethane (Surr)	99		53 - 146

Lab Sample ID: 670-22185-R-2 MS
Matrix: Water
Analysis Batch: 41635

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.61	U	20.0	21.6		ug/L		108	54 - 141
1,1,1-Trichloroethane	0.80	U	20.0	22.4		ug/L		112	57 - 148
1,1,2,2-Tetrachloroethane	0.54	U	20.0	25.3		ug/L		126	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	20.0	22.3		ug/L		111	50 - 150
1,1,2-Trichloroethane	0.76	U	20.0	22.7		ug/L		114	57 - 141
1,1-Dichloroethane	0.62	U	20.0	22.7		ug/L		113	57 - 142
1,1-Dichloroethene	0.94	U	20.0	24.2		ug/L		121	49 - 139
1,2,3-Trichloropropane	0.64	U	20.0	22.3		ug/L		112	57 - 141
1,2-Dibromo-3-Chloropropane	0.96	U	20.0	23.2		ug/L		116	48 - 150
Ethylene Dibromide	0.78	U	20.0	21.8		ug/L		109	50 - 150
1,2-Dichloroethane	0.63	U	20.0	20.7		ug/L		103	50 - 156
1,2-Dichloropropane	0.80	U	20.0	23.0		ug/L		115	61 - 133
2-Butanone (MEK)	4.5	U	200	241		ug/L		120	10 - 180
2-Hexanone	2.5	U	200	252		ug/L		126	12 - 180
Acetone	25	U	200	215		ug/L		108	10 - 180
Acrylonitrile	5.0	U	200	233		ug/L		116	50 - 150
Benzene	24		20.0	46.3		ug/L		113	56 - 136
Bromoform	0.75	U	20.0	20.2		ug/L		101	46 - 148
Chlorobromomethane	0.94	U	20.0	21.2		ug/L		106	50 - 150
Dichlorobromomethane	0.52	U	20.0	21.5		ug/L		107	58 - 135
Bromomethane	0.95	U	20.0	22.1		ug/L		110	10 - 173
Carbon disulfide	2.5	U	20.0	22.1		ug/L		111	43 - 153

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 670-22185-R-2 MS
Matrix: Water
Analysis Batch: 41635

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	0.94	U	20.0	22.2		ug/L		111	54 - 156
Chlorobenzene	0.72	U	20.0	21.6		ug/L		108	51 - 139
Chloroethane	0.98	U	20.0	18.2		ug/L		91	27 - 180
Chloroform	0.80	U	20.0	21.0		ug/L		105	59 - 139
Chloromethane	0.82	U	20.0	20.6		ug/L		103	33 - 154
cis-1,2-Dichloroethene	0.53	U	20.0	21.1		ug/L		105	56 - 128
cis-1,3-Dichloropropene	0.59	U	20.0	21.3		ug/L		106	64 - 128
Chlorodibromomethane	0.50	U	20.0	21.7		ug/L		109	50 - 150
Dibromomethane	0.84	U	20.0	21.7		ug/L		109	59 - 143
Ethylbenzene	.36		20.0	61.0		ug/L		123	63 - 133
Iodomethane	2.5	U	20.0	23.7		ug/L		119	50 - 150
4-Methyl-2-pentanone (MIBK)	5.0	U	200	248		ug/L		124	19 - 180
Methylene Chloride	5.0	U	20.0	21.8		ug/L		109	43 - 142
1,2-Dichlorobenzene	0.73	U	20.0	21.3		ug/L		107	63 - 131
1,4-Dichlorobenzene	0.76	U	20.0	21.3		ug/L		107	65 - 133
Styrene	0.61	U	20.0	22.5		ug/L		112	59 - 136
Tetrachloroethene	0.76	U	20.0	15.0		ug/L		75	60 - 147
Toluene	0.92	I	20.0	22.3		ug/L		107	64 - 131
trans-1,2-Dichloroethene	0.73	U	20.0	22.2		ug/L		111	54 - 134
trans-1,3-Dichloropropene	0.73	U	20.0	21.8		ug/L		109	65 - 149
trans-1,4-Dichloro-2-butene	0.79	U	20.0	19.7		ug/L		98	30 - 122
Trichloroethene	0.89	U	20.0	20.1		ug/L		100	62 - 135
Trichlorofluoromethane	0.94	U	20.0	21.3		ug/L		106	56 - 155
Vinyl acetate	2.5	U	40.0	60.0		ug/L		150	50 - 150
Vinyl chloride	0.71	U	20.0	21.1		ug/L		105	20 - 167
Xylenes, Total	4.1		40.0	48.8		ug/L		112	50 - 150
m,p-Xylenes	2.7		20.0	25.2		ug/L		112	64 - 133
o-Xylene	1.4		20.0	23.6		ug/L		111	61 - 129

Surrogate	MS %Recovery	MS Qualifier	MS Limits
<i>Toluene-d8 (Surr)</i>	102		40 - 146
<i>4-Bromofluorobenzene (Surr)</i>	102		41 - 142
<i>Dibromofluoromethane (Surr)</i>	100		53 - 146

Lab Sample ID: 670-22185-K-1 DU
Matrix: Water
Analysis Batch: 41635

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.61	U	0.61	U	ug/L		NC	30
1,1,1-Trichloroethane	0.80	U	0.80	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.54	U	0.54	U	ug/L		NC	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73	U	0.73	U	ug/L		NC	30
1,1,2-Trichloroethane	0.76	U	0.76	U	ug/L		NC	30
1,1-Dichloroethane	0.62	U	0.62	U	ug/L		NC	30
1,1-Dichloroethene	0.94	U	0.94	U	ug/L		NC	30
1,2,3-Trichloropropane	0.64	U	0.64	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	0.96	U	0.96	U	ug/L		NC	30

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 670-22185-K-1 DU
Matrix: Water
Analysis Batch: 41635

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				
Ethylene Dibromide	0.78	U	0.78	U	ug/L		NC	30
1,2-Dichloroethane	0.63	U	0.63	U	ug/L		NC	30
1,2-Dichloropropane	0.80	U	0.80	U	ug/L		NC	30
2-Butanone (MEK)	4.5	U	4.5	U	ug/L		NC	30
2-Hexanone	2.5	U	2.5	U	ug/L		NC	30
Acetone	25	U	25	U	ug/L		NC	30
Acrylonitrile	5.0	U	5.0	U	ug/L		NC	30
Benzene	0.71	U	0.71	U	ug/L		NC	30
Bromoform	0.75	U	0.75	U	ug/L		NC	30
Chlorobromomethane	0.94	U	0.94	U	ug/L		NC	30
Dichlorobromomethane	0.52	U	0.52	U	ug/L		NC	30
Bromomethane	0.95	U	0.95	U	ug/L		NC	30
Carbon disulfide	2.5	U	2.5	U	ug/L		NC	30
Carbon tetrachloride	0.94	U	0.94	U	ug/L		NC	30
Chlorobenzene	0.72	U	0.72	U	ug/L		NC	30
Chloroethane	0.98	U	0.98	U	ug/L		NC	30
Chloroform	0.80	U	0.80	U	ug/L		NC	30
Chloromethane	0.82	U	0.82	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.53	U	0.53	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.59	U	0.59	U	ug/L		NC	30
Chlorodibromomethane	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.84	U	0.84	U	ug/L		NC	30
Ethylbenzene	0.69	U	0.69	U	ug/L		NC	30
Iodomethane	2.5	U	2.5	U	ug/L		NC	30
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	U	ug/L		NC	30
Methylene Chloride	5.0	U	5.0	U	ug/L		NC	30
1,2-Dichlorobenzene	0.73	U	0.73	U	ug/L		NC	30
1,4-Dichlorobenzene	0.76	U	0.76	U	ug/L		NC	30
Styrene	0.61	U	0.61	U	ug/L		NC	30
Tetrachloroethene	0.76	U	0.76	U	ug/L		NC	30
Toluene	0.72	U	0.72	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.73	U	0.73	U	ug/L		NC	20
trans-1,3-Dichloropropene	0.73	U	0.73	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene	0.79	U	0.79	U	ug/L		NC	30
Trichloroethene	0.89	U	0.89	U	ug/L		NC	30
Trichlorofluoromethane	0.94	U	0.94	U	ug/L		NC	30
Vinyl acetate	2.5	U	2.5	U	ug/L		NC	30
Vinyl chloride	0.71	U	0.71	U	ug/L		NC	30
Xylenes, Total	1.3	U	1.3	U	ug/L		NC	30
m,p-Xylenes	1.3	U	1.3	U	ug/L		NC	30
o-Xylene	0.53	U	0.53	U	ug/L		NC	30
	DU	DU						
Surrogate	%Recovery	Qualifier	Limits					
Toluene-d8 (Surr)	99		40 - 146					
4-Bromofluorobenzene (Surr)	104		41 - 142					
Dibromofluoromethane (Surr)	101		53 - 146					

QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 670-41363/6
Matrix: Water
Analysis Batch: 41363

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20	U	0.40	0.20	mg/L			06/28/23 11:26	1

Lab Sample ID: LCS 670-41363/4
Matrix: Water
Analysis Batch: 41363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	4.00	4.06		mg/L		101	90 - 110

Lab Sample ID: LCSD 670-41363/5
Matrix: Water
Analysis Batch: 41363

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	4.00	4.06		mg/L		102	90 - 110	0	20

Lab Sample ID: 660-130027-1 MS
Matrix: Water
Analysis Batch: 41363

Client Sample ID: 4MW-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.54		5.00	5.50		mg/L		99	80 - 120

Lab Sample ID: 660-130027-1 MSD
Matrix: Water
Analysis Batch: 41363

Client Sample ID: 4MW-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.54		5.00	5.51		mg/L		99	80 - 120	0	20

Lab Sample ID: MB 670-41595/6
Matrix: Water
Analysis Batch: 41595

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.20	U	0.40	0.20	mg/L			06/29/23 11:31	1

Lab Sample ID: LCS 670-41595/4
Matrix: Water
Analysis Batch: 41595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	4.00	3.97		mg/L		99	90 - 110

Lab Sample ID: LCSD 670-41595/5
Matrix: Water
Analysis Batch: 41595

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	4.00	3.97		mg/L		99	90 - 110	0	20

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 670-22288-Q-4 MS
Matrix: Water
Analysis Batch: 41595

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	9.7		5.00	14.4	L	mg/L		95	80 - 120

Lab Sample ID: 670-22288-Q-4 MSD
Matrix: Water
Analysis Batch: 41595

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	9.7		5.00	14.4	L	mg/L		95	80 - 120	0	20

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 670-41364/6
Matrix: Water
Analysis Batch: 41364

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			06/28/23 11:26	1

Lab Sample ID: LCS 670-41364/4
Matrix: Water
Analysis Batch: 41364

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.00	4.09		mg/L		102	90 - 110

Lab Sample ID: LCSD 670-41364/5
Matrix: Water
Analysis Batch: 41364

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.00	4.09		mg/L		102	90 - 110	0	20

Lab Sample ID: 660-130027-1 MS
Matrix: Water
Analysis Batch: 41364

Client Sample ID: 4MW-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	16		5.00	20.4		mg/L		97	80 - 120

Lab Sample ID: 660-130027-1 MSD
Matrix: Water
Analysis Batch: 41364

Client Sample ID: 4MW-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	16		5.00	20.5		mg/L		97	80 - 120	0	20

QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 670-41596/6
Matrix: Water
Analysis Batch: 41596

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			06/29/23 11:31	1

Lab Sample ID: LCS 670-41596/4
Matrix: Water
Analysis Batch: 41596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.00	4.11		mg/L		103	90 - 110

Lab Sample ID: LCSD 670-41596/5
Matrix: Water
Analysis Batch: 41596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.00	4.11		mg/L		103	90 - 110	0	20

Lab Sample ID: 670-22288-Q-4 MS
Matrix: Water
Analysis Batch: 41596

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	48		5.00	52.0		mg/L		85	80 - 120

Lab Sample ID: 670-22288-Q-4 MSD
Matrix: Water
Analysis Batch: 41596

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	48		5.00	52.0		mg/L		84	80 - 120	0	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 670-41599/3-A
Matrix: Water
Analysis Batch: 41845

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 41599

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.025	U	0.050	0.025	mg/L		06/29/23 09:44	06/29/23 18:07	1
Sodium	1.0	U	2.0	1.0	mg/L		06/29/23 09:44	06/29/23 18:07	1

Lab Sample ID: LCS 670-41599/1-A
Matrix: Water
Analysis Batch: 41845

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 41599

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10.1	9.91		mg/L		98	80 - 120
Sodium	10.1	10.4		mg/L		103	80 - 120

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 660-130033-E-1-A MS
Matrix: Water
Analysis Batch: 41845

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 41599

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Iron	0.028	U	11.2	9.11		mg/L		81	70 - 120	
Sodium	18		11.2	25.6		mg/L		71	70 - 120	

Lab Sample ID: 660-130033-E-1-B MSD
Matrix: Water
Analysis Batch: 41845

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 41599

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		RPD	Limit
Iron	0.028	U	11.2	11.1		mg/L		99	70 - 120		19	20
Sodium	18		11.2	29.4		mg/L		104	70 - 120		14	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 670-41600/3-A
Matrix: Water
Analysis Batch: 41859

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 41600

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.0010	U	0.0020	0.0010	mg/L		06/29/23 09:46	06/29/23 16:16	1
Arsenic	0.0020	U	0.0040	0.0020	mg/L		06/29/23 09:46	06/29/23 16:16	1
Barium	0.0020	U	0.0040	0.0020	mg/L		06/29/23 09:46	06/29/23 16:16	1
Beryllium	0.00050	U	0.0010	0.00050	mg/L		06/29/23 09:46	06/29/23 16:16	1
Cadmium	0.0010	U	0.0020	0.0010	mg/L		06/29/23 09:46	06/29/23 16:16	1
Chromium	0.0010	U	0.0020	0.0010	mg/L		06/29/23 09:46	06/29/23 16:16	1
Cobalt	0.0010	U	0.0020	0.0010	mg/L		06/29/23 09:46	06/29/23 16:16	1
Copper	0.0010	U	0.0020	0.0010	mg/L		06/29/23 09:46	06/29/23 16:16	1
Lead	0.0010	U	0.0020	0.0010	mg/L		06/29/23 09:46	06/29/23 16:16	1
Nickel	0.0020	U	0.0040	0.0020	mg/L		06/29/23 09:46	06/29/23 16:16	1
Selenium	0.0020	U	0.0040	0.0020	mg/L		06/29/23 09:46	06/29/23 16:16	1
Silver	0.00050	U	0.0010	0.00050	mg/L		06/29/23 09:46	06/29/23 16:16	1
Thallium	0.00050	U	0.0010	0.00050	mg/L		06/29/23 09:46	06/29/23 16:16	1
Vanadium	0.0010	U	0.0020	0.0010	mg/L		06/29/23 09:46	06/29/23 16:16	1
Zinc	0.0020	U	0.0040	0.0020	mg/L		06/29/23 09:46	06/29/23 16:16	1

Lab Sample ID: LCS 670-41600/1-A
Matrix: Water
Analysis Batch: 41859

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 41600

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Antimony	0.100	0.0855		mg/L		85	80 - 120	
Arsenic	0.100	0.0980		mg/L		98	80 - 120	
Barium	0.100	0.0954		mg/L		95	80 - 120	
Beryllium	0.100	0.102		mg/L		102	80 - 120	
Cadmium	0.100	0.0907		mg/L		91	80 - 120	
Chromium	0.100	0.0912		mg/L		91	80 - 120	
Cobalt	0.100	0.0910		mg/L		91	80 - 120	
Copper	0.100	0.0949		mg/L		95	80 - 120	
Lead	0.100	0.0913		mg/L		91	80 - 120	
Nickel	0.100	0.0934		mg/L		93	80 - 120	

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 670-41600/1-A
Matrix: Water
Analysis Batch: 41859

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 41600

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	0.100	0.0938		mg/L		94	80 - 120
Silver	0.100	0.0894		mg/L		89	80 - 120
Thallium	0.100	0.0900		mg/L		90	80 - 120
Vanadium	0.100	0.0919		mg/L		92	80 - 120
Zinc	0.100	0.0968		mg/L		97	80 - 120

Lab Sample ID: LCSD 670-41600/2-A
Matrix: Water
Analysis Batch: 41859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 41600

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.100	0.0895		mg/L		90	80 - 120	5	20
Arsenic	0.100	0.101		mg/L		101	80 - 120	3	20
Barium	0.100	0.0974		mg/L		97	80 - 120	2	20
Beryllium	0.100	0.104		mg/L		104	80 - 120	3	20
Cadmium	0.100	0.0928		mg/L		93	80 - 120	2	20
Chromium	0.100	0.0931		mg/L		93	80 - 120	2	20
Cobalt	0.100	0.0918		mg/L		92	80 - 120	1	20
Copper	0.100	0.0966		mg/L		97	80 - 120	2	20
Lead	0.100	0.0954		mg/L		95	80 - 120	4	20
Nickel	0.100	0.0948		mg/L		95	80 - 120	2	20
Selenium	0.100	0.0979		mg/L		98	80 - 120	4	20
Silver	0.100	0.0919		mg/L		92	80 - 120	3	20
Thallium	0.100	0.0948		mg/L		95	80 - 120	5	20
Vanadium	0.100	0.0933		mg/L		93	80 - 120	1	20
Zinc	0.100	0.0988		mg/L		99	80 - 120	2	20

Lab Sample ID: 660-130033-E-1-D MS
Matrix: Water
Analysis Batch: 41859

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 41600

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0011	U	0.111	0.104		mg/L		93	75 - 125
Arsenic	0.0022	U	0.111	0.111		mg/L		100	75 - 125
Barium	0.0022	U	0.111	0.111		mg/L		99	75 - 125
Beryllium	0.00056	U	0.111	0.120		mg/L		108	75 - 125
Cadmium	0.0011	U	0.111	0.106		mg/L		95	75 - 125
Chromium	0.0011	U	0.111	0.105		mg/L		94	75 - 125
Cobalt	0.0011	U	0.111	0.103		mg/L		93	75 - 125
Copper	0.0011	U	0.111	0.110		mg/L		99	75 - 125
Lead	0.0011	U	0.111	0.106		mg/L		95	75 - 125
Nickel	0.0022	U	0.111	0.107		mg/L		96	75 - 125
Selenium	0.0022	U	0.111	0.107		mg/L		96	75 - 125
Silver	0.00056	U	0.111	0.103		mg/L		93	75 - 125
Thallium	0.00056	U	0.111	0.105		mg/L		94	75 - 125
Vanadium	0.0011	U	0.111	0.105		mg/L		94	75 - 125
Zinc	0.049		0.111	0.157		mg/L		97	75 - 125

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 660-130033-E-1-E MSD
Matrix: Water
Analysis Batch: 41859

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 41600

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	0.0011	U	0.111	0.100		mg/L		90	75 - 125	3	20
Arsenic	0.0022	U	0.111	0.110		mg/L		99	75 - 125	1	20
Barium	0.0022	U	0.111	0.109		mg/L		98	75 - 125	2	20
Beryllium	0.00056	U	0.111	0.115		mg/L		104	75 - 125	4	20
Cadmium	0.0011	U	0.111	0.103		mg/L		93	75 - 125	2	20
Chromium	0.0011	U	0.111	0.101		mg/L		91	75 - 125	3	20
Cobalt	0.0011	U	0.111	0.101		mg/L		91	75 - 125	2	20
Copper	0.0011	U	0.111	0.106		mg/L		95	75 - 125	4	20
Lead	0.0011	U	0.111	0.102		mg/L		92	75 - 125	3	20
Nickel	0.0022	U	0.111	0.104		mg/L		93	75 - 125	3	20
Selenium	0.0022	U	0.111	0.104		mg/L		94	75 - 125	3	20
Silver	0.00056	U	0.111	0.0992		mg/L		89	75 - 125	4	20
Thallium	0.00056	U	0.111	0.101		mg/L		91	75 - 125	3	20
Vanadium	0.0011	U	0.111	0.102		mg/L		92	75 - 125	3	20
Zinc	0.049		0.111	0.152		mg/L		93	75 - 125	3	20

Lab Sample ID: MB 670-41734/3-A
Matrix: Water
Analysis Batch: 42014

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 41734

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Vanadium	0.0010	U	0.0020	0.0010	mg/L		06/29/23 16:21	06/30/23 16:12	1

Lab Sample ID: LCS 670-41734/1-A
Matrix: Water
Analysis Batch: 42014

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 41734

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Vanadium	0.100	0.0932		mg/L		93	80 - 120

Lab Sample ID: LCSD 670-41734/2-A
Matrix: Water
Analysis Batch: 42014

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 41734

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD	Limit
							Limits		
Vanadium	0.100	0.0981		mg/L		98	80 - 120	5	20

Lab Sample ID: 660-130045-C-1-A MS
Matrix: Water
Analysis Batch: 42014

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 41734

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				Limits
Vanadium	0.0054		0.111	0.114		mg/L		98	75 - 125

Lab Sample ID: 660-130045-C-1-B MSD
Matrix: Water
Analysis Batch: 42014

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 41734

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Vanadium	0.0054		0.111	0.110		mg/L		94	75 - 125	4	20

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QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 670-41616/12-A
Matrix: Water
Analysis Batch: 41891

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41616

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		06/29/23 10:08	06/30/23 12:55	1

Lab Sample ID: LCS 670-41616/10-A
Matrix: Water
Analysis Batch: 41891

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41616

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00253		mg/L		101	85 - 115

Lab Sample ID: LCSD 670-41616/11-A
Matrix: Water
Analysis Batch: 41891

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41616

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00250	0.00239		mg/L		96	85 - 115	6	20

Lab Sample ID: 670-22109-I-1-A MS
Matrix: Water
Analysis Batch: 41891

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 41616

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00020	U	0.00250	0.00286		mg/L		114	80 - 120

Lab Sample ID: 670-22109-I-1-B MSD
Matrix: Water
Analysis Batch: 41891

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 41616

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00020	U	0.00250	0.00280		mg/L		112	80 - 120	2	20

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia

Lab Sample ID: MB 670-42350/13
Matrix: Water
Analysis Batch: 42350

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	0.014	U	0.020	0.014	mg/L			07/05/23 16:53	1

Lab Sample ID: LCS 670-42350/12
Matrix: Water
Analysis Batch: 42350

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.500	0.484		mg/L		97	90 - 110

QC Sample Results

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCSD 670-42350/14
Matrix: Water
Analysis Batch: 42350

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia (as N)	0.500	0.472		mg/L		94	90 - 110	3	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 670-41886/1
Matrix: Water
Analysis Batch: 41886

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			06/30/23 14:30	1

Lab Sample ID: LCS 670-41886/2
Matrix: Water
Analysis Batch: 41886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1500	1430		mg/L		95	80 - 120

Lab Sample ID: 660-130058-A-1 DU
Matrix: Water
Analysis Batch: 41886

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	5.0	U	5.0	U	mg/L		NC	20

Lab Sample ID: MB 670-41952/1
Matrix: Water
Analysis Batch: 41952

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			07/01/23 13:40	1

Lab Sample ID: LCS 670-41952/2
Matrix: Water
Analysis Batch: 41952

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1500	1450		mg/L		97	80 - 120

Lab Sample ID: 670-22146-A-1 DU
Matrix: Water
Analysis Batch: 41952

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	42		42.0		mg/L		0	20

QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

GC/MS VOA

Analysis Batch: 41410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130027-1	4MW-22	Total/NA	Water	8260D	
660-130027-2	4MW-21	Total/NA	Water	8260D	
660-130027-3	4MW-23	Total/NA	Water	8260D	
660-130027-4	4MW-14D	Total/NA	Water	8260D	
MB 670-41410/9	Method Blank	Total/NA	Water	8260D	
LCS 670-41410/6	Lab Control Sample	Total/NA	Water	8260D	
660-130027-2 MS	4MW-21	Total/NA	Water	8260D	
660-130027-1 DU	4MW-22	Total/NA	Water	8260D	

Analysis Batch: 41635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130043-1	2MW-27D	Total/NA	Water	8260D	
MB 670-41635/7	Method Blank	Total/NA	Water	8260D	
LCS 670-41635/4	Lab Control Sample	Total/NA	Water	8260D	
670-22185-R-2 MS	Matrix Spike	Total/NA	Water	8260D	
670-22185-K-1 DU	Duplicate	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 41363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130027-1	4MW-22	Total/NA	Water	300.0	
660-130027-2	4MW-21	Total/NA	Water	300.0	
660-130027-3	4MW-23	Total/NA	Water	300.0	
660-130027-4	4MW-14D	Total/NA	Water	300.0	
MB 670-41363/6	Method Blank	Total/NA	Water	300.0	
LCS 670-41363/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 670-41363/5	Lab Control Sample Dup	Total/NA	Water	300.0	
660-130027-1 MS	4MW-22	Total/NA	Water	300.0	
660-130027-1 MSD	4MW-22	Total/NA	Water	300.0	

Analysis Batch: 41364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130027-1	4MW-22	Total/NA	Water	300.0-1993 R2.1	
660-130027-2	4MW-21	Total/NA	Water	300.0-1993 R2.1	
660-130027-3	4MW-23	Total/NA	Water	300.0-1993 R2.1	
660-130027-4	4MW-14D	Total/NA	Water	300.0-1993 R2.1	
MB 670-41364/6	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 670-41364/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 670-41364/5	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
660-130027-1 MS	4MW-22	Total/NA	Water	300.0-1993 R2.1	
660-130027-1 MSD	4MW-22	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 41595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130043-1	2MW-27D	Total/NA	Water	300.0	
MB 670-41595/6	Method Blank	Total/NA	Water	300.0	
LCS 670-41595/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 670-41595/5	Lab Control Sample Dup	Total/NA	Water	300.0	
670-22288-Q-4 MS	Matrix Spike	Total/NA	Water	300.0	
670-22288-Q-4 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

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QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

HPLC/IC

Analysis Batch: 41596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130043-1	2MW-27D	Total/NA	Water	300.0-1993 R2.1	
MB 670-41596/6	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 670-41596/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 670-41596/5	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
670-22288-Q-4 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
670-22288-Q-4 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 41599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130027-1	4MW-22	Total Recoverable	Water	3005A	
660-130027-2	4MW-21	Total Recoverable	Water	3005A	
660-130027-3	4MW-23	Total Recoverable	Water	3005A	
660-130027-4	4MW-14D	Total Recoverable	Water	3005A	
660-130043-1	2MW-27D	Total Recoverable	Water	3005A	
MB 670-41599/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-41599/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-130033-E-1-A MS	Matrix Spike	Total Recoverable	Water	3005A	
660-130033-E-1-B MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 41600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130027-1	4MW-22	Total Recoverable	Water	3005A	
660-130027-2	4MW-21	Total Recoverable	Water	3005A	
660-130027-3	4MW-23	Total Recoverable	Water	3005A	
660-130027-4	4MW-14D	Total Recoverable	Water	3005A	
660-130043-1	2MW-27D	Total Recoverable	Water	3005A	
MB 670-41600/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-41600/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-41600/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
660-130033-E-1-D MS	Matrix Spike	Total Recoverable	Water	3005A	
660-130033-E-1-E MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 41616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130027-1	4MW-22	Total/NA	Water	7470A	
660-130027-2	4MW-21	Total/NA	Water	7470A	
660-130027-3	4MW-23	Total/NA	Water	7470A	
660-130027-4	4MW-14D	Total/NA	Water	7470A	
660-130043-1	2MW-27D	Total/NA	Water	7470A	
MB 670-41616/12-A	Method Blank	Total/NA	Water	7470A	
LCS 670-41616/10-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 670-41616/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	
670-22109-I-1-A MS	Matrix Spike	Total/NA	Water	7470A	
670-22109-I-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 41734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130043-2	4MW-27	Total Recoverable	Water	3005A	
MB 670-41734/3-A	Method Blank	Total Recoverable	Water	3005A	

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QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Metals (Continued)

Prep Batch: 41734 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 670-41734/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-41734/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
660-130045-C-1-A MS	Matrix Spike	Total Recoverable	Water	3005A	
660-130045-C-1-B MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 41845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130027-1	4MW-22	Total Recoverable	Water	6010D	41599
660-130027-2	4MW-21	Total Recoverable	Water	6010D	41599
660-130027-3	4MW-23	Total Recoverable	Water	6010D	41599
660-130027-4	4MW-14D	Total Recoverable	Water	6010D	41599
660-130043-1	2MW-27D	Total Recoverable	Water	6010D	41599
MB 670-41599/3-A	Method Blank	Total Recoverable	Water	6010D	41599
LCS 670-41599/1-A	Lab Control Sample	Total Recoverable	Water	6010D	41599
660-130033-E-1-A MS	Matrix Spike	Total Recoverable	Water	6010D	41599
660-130033-E-1-B MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010D	41599

Analysis Batch: 41859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130027-1	4MW-22	Total Recoverable	Water	6020B	41600
660-130027-2	4MW-21	Total Recoverable	Water	6020B	41600
660-130027-3	4MW-23	Total Recoverable	Water	6020B	41600
660-130027-4	4MW-14D	Total Recoverable	Water	6020B	41600
660-130043-1	2MW-27D	Total Recoverable	Water	6020B	41600
MB 670-41600/3-A	Method Blank	Total Recoverable	Water	6020B	41600
LCS 670-41600/1-A	Lab Control Sample	Total Recoverable	Water	6020B	41600
LCSD 670-41600/2-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	41600
660-130033-E-1-D MS	Matrix Spike	Total Recoverable	Water	6020B	41600
660-130033-E-1-E MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	41600

Analysis Batch: 41891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130027-1	4MW-22	Total/NA	Water	7470A	41616
660-130027-2	4MW-21	Total/NA	Water	7470A	41616
660-130027-3	4MW-23	Total/NA	Water	7470A	41616
660-130027-4	4MW-14D	Total/NA	Water	7470A	41616
660-130043-1	2MW-27D	Total/NA	Water	7470A	41616
MB 670-41616/12-A	Method Blank	Total/NA	Water	7470A	41616
LCS 670-41616/10-A	Lab Control Sample	Total/NA	Water	7470A	41616
LCSD 670-41616/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	41616
670-22109-I-1-A MS	Matrix Spike	Total/NA	Water	7470A	41616
670-22109-I-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	41616

Analysis Batch: 42014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130043-2	4MW-27	Total Recoverable	Water	6020B	41734
MB 670-41734/3-A	Method Blank	Total Recoverable	Water	6020B	41734
LCS 670-41734/1-A	Lab Control Sample	Total Recoverable	Water	6020B	41734
LCSD 670-41734/2-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	41734
660-130045-C-1-A MS	Matrix Spike	Total Recoverable	Water	6020B	41734
660-130045-C-1-B MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	41734

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QC Association Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

General Chemistry

Analysis Batch: 41886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130027-1	4MW-22	Total/NA	Water	SM 2540C	
660-130027-2	4MW-21	Total/NA	Water	SM 2540C	
660-130027-3	4MW-23	Total/NA	Water	SM 2540C	
660-130027-4	4MW-14D	Total/NA	Water	SM 2540C	
MB 670-41886/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 670-41886/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-130058-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 41952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130043-1	2MW-27D	Total/NA	Water	SM 2540C	
MB 670-41952/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 670-41952/2	Lab Control Sample	Total/NA	Water	SM 2540C	
670-22146-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 42350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-130027-1	4MW-22	Total/NA	Water	350.1-1993 R2.0	
660-130027-2	4MW-21	Total/NA	Water	350.1-1993 R2.0	
660-130027-3	4MW-23	Total/NA	Water	350.1-1993 R2.0	
660-130027-4	4MW-14D	Total/NA	Water	350.1-1993 R2.0	
660-130043-1	2MW-27D	Total/NA	Water	350.1-1993 R2.0	
MB 670-42350/13	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 670-42350/12	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
LCSD 670-42350/14	Lab Control Sample Dup	Total/NA	Water	350.1-1993 R2.0	

Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 4MW-22
Date Collected: 06/27/23 09:40
Date Received: 06/27/23 14:50

Lab Sample ID: 660-130027-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	41410	06/28/23 17:48	T1Y	EET ORL
Total/NA	Analysis	300.0		1			41363	06/28/23 16:55	YS	EET ORL
Total/NA	Analysis	300.0-1993 R2.1		1			41364	06/28/23 16:55	YS	EET ORL
Total Recoverable	Prep	3005A			45 mL	50 mL	41599	06/29/23 09:44	JR	EET ORL
Total Recoverable	Analysis	6010D		1			41845	06/29/23 18:23	NR	EET ORL
Total Recoverable	Prep	3005A			45 mL	50 mL	41600	06/29/23 09:46	JR	EET ORL
Total Recoverable	Analysis	6020B		1			41859	06/29/23 16:32	NR	EET ORL
Total/NA	Prep	7470A			40 mL	40 mL	41616	06/29/23 10:08	AS	EET ORL
Total/NA	Analysis	7470A		1			41891	06/30/23 13:18	AS	EET ORL
Total/NA	Analysis	350.1-1993 R2.0		1			42350	07/05/23 17:01	JA	EET ORL
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	41886	06/30/23 14:30	KB	EET ORL

Client Sample ID: 4MW-21
Date Collected: 06/27/23 10:32
Date Received: 06/27/23 14:50

Lab Sample ID: 660-130027-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	41410	06/28/23 18:24	T1Y	EET ORL
Total/NA	Analysis	300.0		1			41363	06/28/23 19:07	YS	EET ORL
Total/NA	Analysis	300.0-1993 R2.1		1			41364	06/28/23 19:07	YS	EET ORL
Total Recoverable	Prep	3005A			45 mL	50 mL	41599	06/29/23 09:44	JR	EET ORL
Total Recoverable	Analysis	6010D		1			41845	06/29/23 18:26	NR	EET ORL
Total Recoverable	Prep	3005A			45 mL	50 mL	41600	06/29/23 09:46	JR	EET ORL
Total Recoverable	Analysis	6020B		1			41859	06/29/23 16:35	NR	EET ORL
Total/NA	Prep	7470A			40 mL	40 mL	41616	06/29/23 10:08	AS	EET ORL
Total/NA	Analysis	7470A		1			41891	06/30/23 13:19	AS	EET ORL
Total/NA	Analysis	350.1-1993 R2.0		1			42350	07/05/23 17:02	JA	EET ORL
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	41886	06/30/23 14:30	KB	EET ORL

Client Sample ID: 4MW-23
Date Collected: 06/27/23 12:25
Date Received: 06/27/23 14:50

Lab Sample ID: 660-130027-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	41410	06/28/23 19:19	T1Y	EET ORL
Total/NA	Analysis	300.0		1			41363	06/28/23 19:28	YS	EET ORL
Total/NA	Analysis	300.0-1993 R2.1		1			41364	06/28/23 19:28	YS	EET ORL
Total Recoverable	Prep	3005A			45 mL	50 mL	41599	06/29/23 09:44	JR	EET ORL
Total Recoverable	Analysis	6010D		1			41845	06/29/23 18:28	NR	EET ORL
Total Recoverable	Prep	3005A			45 mL	50 mL	41600	06/29/23 09:46	JR	EET ORL
Total Recoverable	Analysis	6020B		1			41859	06/29/23 16:38	NR	EET ORL
Total/NA	Prep	7470A			40 mL	40 mL	41616	06/29/23 10:08	AS	EET ORL
Total/NA	Analysis	7470A		1			41891	06/30/23 13:21	AS	EET ORL

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Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Client Sample ID: 4MW-23
Date Collected: 06/27/23 12:25
Date Received: 06/27/23 14:50

Lab Sample ID: 660-130027-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1-1993 R2.0		1			42350	07/05/23 17:03	JA	EET ORL
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	41886	06/30/23 14:30	KB	EET ORL

Client Sample ID: 4MW-14D
Date Collected: 06/27/23 14:05
Date Received: 06/27/23 14:50

Lab Sample ID: 660-130027-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	41410	06/28/23 19:37	T1Y	EET ORL
Total/NA	Analysis	300.0		1			41363	06/28/23 19:50	YS	EET ORL
Total/NA	Analysis	300.0-1993 R2.1		1			41364	06/28/23 19:50	YS	EET ORL
Total Recoverable	Prep	3005A			45 mL	50 mL	41599	06/29/23 09:44	JR	EET ORL
Total Recoverable	Analysis	6010D		1			41845	06/29/23 18:31	NR	EET ORL
Total Recoverable	Prep	3005A			45 mL	50 mL	41600	06/29/23 09:46	JR	EET ORL
Total Recoverable	Analysis	6020B		1			41859	06/29/23 16:40	NR	EET ORL
Total/NA	Prep	7470A			40 mL	40 mL	41616	06/29/23 10:08	AS	EET ORL
Total/NA	Analysis	7470A		1			41891	06/30/23 13:22	AS	EET ORL
Total/NA	Analysis	350.1-1993 R2.0		1			42350	07/05/23 17:04	JA	EET ORL
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	41886	06/30/23 14:30	KB	EET ORL

Client Sample ID: 2MW-27D
Date Collected: 06/28/23 09:55
Date Received: 06/28/23 11:57

Lab Sample ID: 660-130043-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	41635	06/29/23 17:04	P1K	EET ORL
Total/NA	Analysis	300.0		1			41595	06/29/23 18:06	YS	EET ORL
Total/NA	Analysis	300.0-1993 R2.1		1			41596	06/29/23 18:06	YS	EET ORL
Total Recoverable	Prep	3005A			45 mL	50 mL	41599	06/29/23 09:44	JR	EET ORL
Total Recoverable	Analysis	6010D		1			41845	06/29/23 18:34	NR	EET ORL
Total Recoverable	Prep	3005A			45 mL	50 mL	41600	06/29/23 09:46	JR	EET ORL
Total Recoverable	Analysis	6020B		1			41859	06/29/23 16:43	NR	EET ORL
Total/NA	Prep	7470A			40 mL	40 mL	41616	06/29/23 10:08	AS	EET ORL
Total/NA	Analysis	7470A		1			41891	06/30/23 13:23	AS	EET ORL
Total/NA	Analysis	350.1-1993 R2.0		1			42350	07/05/23 16:57	JA	EET ORL
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	41952	07/01/23 13:40	KB	EET ORL

Client Sample ID: 4MW-27
Date Collected: 06/28/23 10:40
Date Received: 06/28/23 11:57

Lab Sample ID: 660-130043-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			45 mL	50 mL	41734	06/29/23 16:21	JR	EET ORL
Total Recoverable	Analysis	6020B		1			42014	06/30/23 16:25	NR	EET ORL

Eurofins Tampa

Lab Chronicle

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

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Method Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET ORL
300.0	Anions, Ion Chromatography	EPA	EET ORL
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET ORL
6010D	Metals (ICP)	SW846	EET ORL
6020B	Metals (ICP/MS)	SW846	EET ORL
7470A	Mercury (CVAA)	SW846	EET ORL
350.1-1993 R2.0	Nitrogen, Ammonia	MCAWW	EET ORL
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET ORL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ORL
5030C	Purge and Trap	SW846	EET ORL
7470A	Preparation, Mercury	SW846	EET ORL

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Pasco County LF

Job ID: 660-130027-1

Laboratory: Eurofins Orlando

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E83018	06-30-24
Louisiana (DW)	State	LA039	05-24-24
North Carolina (DW)	State	12712	07-31-23
Tennessee	State	TN04930	04-05-24
Texas	NELAP	T104704571	02-29-24

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Chain of Custody Record 641938



Environment Testing
America

Address: _____

TAL-8210

Regulatory Program DW NPDES RCRA Other

Client Contact
 Company Name: **SCS ENGINEERS**
 Address: **3922 COCONUT PALM DR #102**
 City/State/Zip: **JANUA FL 33619**
 Phone: **813 293 3403**
 Fax: _____
 Project Name: **PASCO CO LF**
 Site: _____
 P.O.#: **09222055 01**

Project Manager: **KYIA KUMM**
 Tel/Email: _____
 Analysis Turnaround Time
 CALENDAR DAYS WORKING DAYS
 TAT if different from Below **10 DAY**
 2 weeks STANDARD
 1 week
 2 days
 1 day

Site Contact: **BOB CURTIS** Date: **6/27/2023**
 Lab Contact: _____
 Filtered Sample (Y/N) _____
 Perform MS/MSD (Y/N) _____
 Job / SDG No. _____
 Sample Specific Notes: _____

Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.
6/27/23	940	G	W	
6/27/23	1032	G	W	
6/27/23	1225	G	W	
6/27/23	1405	G	W	



Loc 660
130027

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other
 Possible Hazard Identification: _____
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
 Non-Hazard Flammable Skin Irritant Poison B Unknown

Special Instructions/QC Requirements & Comments:
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return to Client Disposal by Lab Archive for _____ Months

Custody Seal No _____
 Relinquished by: _____
 Relinquished by: _____
 Relinquished by: _____
 Date/Time: 6/27/23 1450
 Date/Time: 6/27/23 1450
 Date/Time: _____
 Date/Time: _____



Eurofins Tampa
 6712 Benjamin Road Suite 100
 Tampa, FL 33634
 Phone (813) 885-7427 Phone (813) 885-7049

Chain of Custody Record



Client Information			Lab Pk:		
Sampler: FAUVE HERTON Phone: E-Mail: fyve.kumm@et.eurofinsus.com			Carrier Tracking No(s): 660-116541-37287 1 State of Origin:		
Company: SCS Engineers Address: 3922 Coconut Palm Drive Suite 102 City: Tampa State, Zip: FL, 33619 Phone: 813-450-7467(Tel) Email: bcourtis@scsengineers.com Project Name: Pasco County LF Site:			Job #: Analysis Requested:		
Due Date Requested: TAT Requested (days): 10 day standard Compliance Project: Δ Yes Δ No PO #: 09222055.01 WO #: Project #: 66018510 SSOW#:			Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> 350.1 Ammonia <input checked="" type="checkbox"/> TDS 2640C_Calcd, Chloride 300_ORGM_26D, Nitrate <input checked="" type="checkbox"/> 300 DRFMS <input checked="" type="checkbox"/> Field Sampling (MOD) Field Parameters <input checked="" type="checkbox"/> FaNa/SBaBaBeCdCrCoCpNiSeAgTVZnHg <input checked="" type="checkbox"/> 8260D Appendix 1 <input checked="" type="checkbox"/> 6010D Na <input checked="" type="checkbox"/> 6020B V <input checked="" type="checkbox"/> Total Number of Containers <input checked="" type="checkbox"/>		
Sample Identification 2MW-279 4MW-271			Sample Date 6/28/23 6/28/23		
Sample Type G G			Sample Time 955 1040		
Matrix W W			Preservation Code: W W		
Loc. 660 130043 660-130043 Chain of Custody					
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					
Deliverable Requested: I, II, III, IV Other (specify)					
Empty Kit Relinquished by:			Date:		
Relinquished by:			Date/Time: 6/28/23 1157		
Relinquished by:			Date/Time:		
Relinquished by:			Date/Time:		
Custody Seals Intact: Δ Yes Δ No			Custody Seal No.		
Special Instructions/Note:			Special Instructions/Note:		
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Special Instructions/QC Requirements:					
Method of Shipment:					
Relinquished by:					
Date/Time: 6/28/23 1157					
Company: SCS					
Relinquished by:					
Date/Time:					
Company:					
Relinquished by:					
Date/Time:					
Company:					
Cooler Temperature(s) °C and Other Remarks: 18.2 / 19.7					
CUMMINS Ver 01/16/2019					

Eurofins Tampa

6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record



eurofins | Environment Testing

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:		
Client Contact: Shipping/Receiving		Phone:	Kumm, Ryya		660-142569.1		
Company: Eurofins Environment Testing Southeast,		E-Mail: ryya.kumm@et.eurofinsus.com	State of Origin: Florida	Page: Page 1 of 1	Job #: 660-130027-1		
Address: 481 Newburyport Avenue,		Accreditations Required (See note): NELAP - Florida			Preservation Codes:		
City: Altamonte Springs		Analysis Requested			A - HCL	M - Hexane	
State, Zip: FL, 32701					Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	B - NaOH
Phone: 407-339-5984(Tel) 407-260-6110(Fax)		Due Date Requested: 7/4/2023	350.1/ Ammonia	300_ORGFMS/ Chloride	C - Zn Acetate	O - AsNaO2	
Email:		TAT Requested (days):	300_ORGFMS/ Nitrate	7470A/7470A_Prep Hg	D - Nitric Acid	P - Na2O4S	
Project Name: Pasco County LF		PO #:	2540C_Ca/cd/ TDS	6020B/3005A SbAsBaBeCdCrCoCuPbNiSeAgTlVZn	E - NaHSO4	Q - Na2SO3	
Site:		WO #:	8260D/6030C Appendix 1		F - MeOH	R - Na2S2O3	
		Project #: 66018510	6010D/3005A Na/Fe		G - Amchlor	S - H2SO4	
		SSOW#:			H - Ascorbic Acid	T - TSP Dodecahydrate	
					I - Ice	U - Acetone	
					J - DI Water	V - MCAA	
					K - EDTA	W - pH 4-5	
					L - EDA	Y - Trizma	
						Z - other (specify)	
						Other:	
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Total Number of containers	Special Instructions/Note:
Preservation Code:							
4 mw-22 (660-130027-1)		6/27/23	09:40 Eastern	Water		6	
4 mw-21 (660-130027-2)		6/27/23	10:32 Eastern	Water	X X X X X X X X	6	
4 mw-23 (660-130027-3)		6/27/23	12:25 Eastern	Water	X X X X X X X X	6	
4 mw-14D (660-130027-4)		6/27/23	14:05 Eastern	Water	X X X X X X X X	6	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	
Primary Deliverable Rank: 2			
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
	6/27/23	1700	
Relinquished by:	Date/Time:	Company:	Received by:
			Date/Time: 6/29 500
Relinquished by:	Date/Time:	Company:	Received by:
			Date/Time:
Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1,1	
Δ Yes Δ No			

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Eurofins Tampa

6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record



eurofins | Environment Testing

Client Information (Sub Contract Lab)				Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:			
Client Contact: Shipping/Receiving				Phone:		Kumm, Ryya		E-Mail: ryya.kumm@et.eurofinsus.com		State of Origin: Florida			
Company: Eurofins Environment Testing Southeast,				Accreditations Required (See note): NELAP - Florida		Job #: 660-130027-1							
Address: 481 Newburyport Avenue,				Due Date Requested: 7/4/2023		Analysis Requested						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)	
City: Altamonte Springs				TAT Requested (days):									
State, Zip: FL, 32701				PO #:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers			
Phone: 407-339-5984(Tel) 407-260-6110(Fax)				WO #:		350.1/ Ammonia		300_ORGFM_28D/ Chloride		300_ORGFMS/ Nitrate			
Email:				Project #: 66018510		7470A/7470A_Prep Hg		2540C_Ca/cd/ TDS		6020B/3005A SbAsBaBeCdCrCoCuPbNiSeAgTlVZn			
Project Name: Pasco County LF				SSOW#:		8260D/6030C Appendix 1		6010D/3005A Na/Fe					
Site:				Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)			
				Preservation Code:		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)							
				4 mw-22 (660-130027-1)		6/27/23		09:40 Eastern		Water			
				4 mw-21 (660-130027-2)		6/27/23		10:32 Eastern		Water			
				4 mw-23 (660-130027-3)		6/27/23		12:25 Eastern		Water			
				4 mw-14D (660-130027-4)		6/27/23		14:05 Eastern		Water			
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.													
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Deliverable Requested: I, II, III, IV, Other (specify)						Primary Deliverable Rank: 2							
Empty Kit Relinquished by:						Special Instructions/QC Requirements:							
Relinquished by: <i>[Signature]</i>				Date/Time: 6/27/23 1700		Company:		Received by: <i>[Signature]</i>		Date/Time: 6/29/23 500			
Relinquished by:				Date/Time:		Company:		Received by:		Date/Time:			
Relinquished by:				Date/Time:		Company:		Received by:		Date/Time:			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 1,1									



Eurofins Tampa

6712 Benjamin Road Suite 100
 Tampa, FL 33634
 Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: Kumm, Ryya	Lab PM: Kumm, Ryya	Carrier Tracking No(s):	COC No: 660-142573.1																																																																														
Client Contact: Shipping/Receiving	Phone:	E-Mail: ryya.kumm@et.eurofinsus.com	State of Origin: Florida	Page: Page 1 of 1																																																																															
Company: Eurofins Environment Testing Southeast,			Accreditations Required (See note). NELAP - Florida		Job #: 660-130043-1																																																																														
Address: 481 Newburyport Avenue,		Due Date Requested: 7/5/2023	Analysis Requested																																																																																
City: Altamonte Springs	TAT Requested (days):	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;">Field Filtered Sample (Yes or No)</td> <td style="width:5%;">Perform MS/MSD (Yes or No)</td> <td style="width:5%;">350.1f Ammonia</td> <td style="width:5%;">300_ORGFM_28D/ Chloride</td> <td style="width:5%;">300_ORGFMS/ Nitrate</td> <td style="width:5%;">7470A/7470A_Prep Hg</td> <td style="width:5%;">2540C_Calcd/ TDS</td> <td style="width:5%;">6020B/3005A SbAsBaCdCrCoCuPbNiSeAgTVZn</td> <td style="width:5%;">8260D/5030C Appendix 1</td> <td style="width:5%;">6010D/3005A Na/Fe</td> <td style="width:5%;">Field Sampling/ (MOD) Field Parameters</td> <td style="width:5%;">6020B/3005A V</td> <td style="width:5%;">Total Number of containers</td> </tr> <tr> <td>State, Zip FL, 32701</td> <td>PO #:</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Phone: 407-339-5984(Tel) 407-260-6110(Fax)</td> <td>WO #:</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Email:</td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Project Name: Pasco County LF</td> <td>Project #: 66018510</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Site:</td> <td>SSOW#:</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>			Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1f Ammonia	300_ORGFM_28D/ Chloride	300_ORGFMS/ Nitrate	7470A/7470A_Prep Hg	2540C_Calcd/ TDS	6020B/3005A SbAsBaCdCrCoCuPbNiSeAgTVZn	8260D/5030C Appendix 1	6010D/3005A Na/Fe	Field Sampling/ (MOD) Field Parameters	6020B/3005A V	Total Number of containers	State, Zip FL, 32701	PO #:												Phone: 407-339-5984(Tel) 407-260-6110(Fax)	WO #:												Email:													Project Name: Pasco County LF	Project #: 66018510												Site:	SSOW#:												Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify) Other:
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)				350.1f Ammonia	300_ORGFM_28D/ Chloride	300_ORGFMS/ Nitrate	7470A/7470A_Prep Hg	2540C_Calcd/ TDS	6020B/3005A SbAsBaCdCrCoCuPbNiSeAgTVZn	8260D/5030C Appendix 1	6010D/3005A Na/Fe	Field Sampling/ (MOD) Field Parameters	6020B/3005A V	Total Number of containers																																																																				
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Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1f Ammonia	300_ORGFM_28D/ Chloride	300_ORGFMS/ Nitrate	7470A/7470A_Prep Hg	2540C_Calcd/ TDS	6020B/3005A SbAsBaCdCrCoCuPbNiSeAgTVZn	8260D/5030C Appendix 1	6010D/3005A Na/Fe	Field Sampling/ (MOD) Field Parameters	6020B/3005A V	Total Number of containers	Special Instructions/Note:																																																																	
2MW-27D (660-130043-1)	6/28/23	09:55 Eastern		Water	X	X	X	X	X	X	X	X	X	X	X			6																																																																	
4MW-27 (660-130043-2)	6/28/23	10:40 Eastern		Water												X		1																																																																	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody together to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	
Primary Deliverable Rank: 2			
Empty Kit Relinquished by:		Method of Shipment:	
Date:		Time:	
Relinquished by: <u>[Signature]</u>	Date/Time: <u>6/28/23 1:00</u>	Company: <u>A00</u>	Received by: <u>[Signature]</u>
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: <u>41</u>	



**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: PASCO COUNTY RESOURCE RECOVERY					SITE: 14230 Hays Rd, Spring Hill, FL 34610							
WELL NO: 4MW-22			SAMPLE ID: 4MW-22			DATE: 27 Jun-2023						
PURGING DATA												
WELL DIAMETER (inches): 2		TUBING DIAMETER: 3/16		WELL SCREEN INTERVAL DEPTH: 30.3 feet to 45.3 feet		STATIC DEPTH TO WATER (feet): 31.00		PURGE PUMP TYPE OR BAILER: PP				
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY												
= (45.3feet - 31.00 feet) X 0.16 gallons/foot = 2.29 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): 40		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 40		PURGING INITIATED AT: 8:55		PURGING ENDED AT: 9:39		TOTAL VOLUME PURGED (gallons): 4.10				
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mol/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
9:25	2.90	2.90	0.10	31.00	7.24	25.70	456	0.04/0.5%	0.33	59.40	Clear	No Odor
9:31	0.60	3.50	0.10	31.00	7.26	25.60	455	0.04/0.5%	0.33	52.70	Clear	No Odor
9:37	0.60	4.10	0.10	31.00	7.26	25.50	455	0.04/0.5%	0.33	50.70	Clear	No Odor
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: Fauve Herron/SCS				SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED: 9:40		SAMPLING ENDED AT: 9:44	
PUMP OR TUBING DEPTH IN WELL (feet): 40				TUBING MATERIAL CODE: HDPE + S				FIELD-FILTERED: Y <u>N</u>		FILTER SIZE: µm	
FIELD DECONTAMINATION: PUMP Y <u>N</u>				TUBING Y <u>N (replaced)</u>				DUPLICATE: Y <u>N</u>			
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 (mL)	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
4MW-22	1	PE	500	----	0	7.26	300_0rgim_z8D_300_0rnfms 2540c_calcd	APP	~379		
4MW-22	3	CG	40	HCL	0	<2	8260d appendix 1	APP	~379		
4MW-22	1	PE	500	H2SO4	0	<2	Ammonia	APP	~379		
4MW-22	1	PE	250	HNO3	0	<2	6020b,7470a,6010d	APP	~379		
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: January 30, 2017

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 660-130027-1

Login Number: 130027

List Number: 1

Creator: Ortiz, Daniel

List Source: Eurofins Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 660-130027-1

Login Number: 130027

List Number: 2

Creator: Beck, Brent

List Source: Eurofins Orlando

List Creation: 06/28/23 09:37 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 660-130027-1

Login Number: 130043

List Number: 1

Creator: Ortiz, Daniel

List Source: Eurofins Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 660-130027-1

Login Number: 130043

List Number: 2

Creator: Beck, Brent

List Source: Eurofins Orlando

List Creation: 06/29/23 08:10 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

