



SUPPLEMENTAL SITE ASSESSMENT REPORT

**Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida
ERIC_7410
FDEP Contract HW683, Task Assignment SA211**

Prepared for

Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Prepared by

Geosyntec Consultants, Inc.
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Building C, Suite 200
Clearwater, FL 33764

Project FR3598F

2 June 2023

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2 June 2023

TABLE OF CONTENTS

1.	INTRODUCTION	1
1.1	Overview	1
1.2	Objectives	1
1.3	PFAS Overview	1
1.4	Assessment Overview	2
1.5	Laboratory Analysis and Data Screening Process	3
2.	SITE DESCRIPTION AND HISTORY	5
2.1	Site Location	5
2.2	Site Utilities	5
2.3	Topography and Drainage	5
2.4	Potable Water Supply Wells and Potential Receptors	5
2.5	Operational Description	6
2.6	Previous Investigations	6
3.	GEOLOGY AND HYDROGEOLOGY	7
3.1	Regional Geology	7
3.2	Regional Hydrogeology	7
3.3	Site-Specific Geology	7
3.4	Site-Specific Hydrogeology	8
4.	SITE CHARACTERIZATION	9
4.1	Overview	9
4.2	Utility Locate	9
4.3	Soil Assessment	9
4.3.1	Soil Sampling Methodology	9
4.3.2	Soil Results and Conclusions	10
4.4	Groundwater and Surface Water Assessment	10
4.4.1	Depth-to-Groundwater and Monitoring Well Sampling Methodology	11
4.4.2	Surface Water Sampling Activities	11
4.4.3	Groundwater Elevation Results	11
4.4.4	Groundwater Sampling Results and Conclusions	12
4.4.5	Surface Water Sampling Results and Conclusions	14
4.5	Sediment Assessment	15
4.5.1	Sediment Results	15

4.6	Decontamination Procedures.....	15
4.7	Investigation Derived Waste	16
5.	CONCLUSIONS	17
6.	RECOMMENDATIONS.....	20
7.	REFERENCES	21

LIST OF TABLES

Table 1:	Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Table 2:	FDOH Water Wells Within a 1-Mile Radius
Table 3:	Soil Analytical Results for PFAS
Table 4:	Well Construction Details
Table 5:	Groundwater Elevation Summary
Table 6:	Screen Point Groundwater Analytical Results for PFAS
Table 7:	Groundwater Monitoring Well Analytical Results for PFAS
Table 8:	Surface Water Analytical Results for PFAS
Table 9:	Sediment Analytical Results for PFAS

LIST OF FIGURES

Figure 1:	USGS Site Topographic Map
Figure 2:	Site Vicinity Map
Figure 3:	Water Wells and Potential Receptors within a 1-Mile Radius
Figure 4:	Cross Section A-A'
Figure 5:	Cross Section B-B'
Figure 6:	Surface Water and Groundwater Elevations 0 to 19 ft BLS – February 2023
Figure 7:	Groundwater Elevation Contour Map from 25 to 50 ft BLS – February 2023
Figure 8:	Groundwater Elevation Contour Map from 90 to 171 ft BLS – February 2023
Figure 9:	Onsite Sampling Locations
Figure 10:	Offsite Sampling Locations

LIST OF FIGURES (CONTINUED)

- Figure 11: Summary of Analytical Results in Soil
- Figure 12: Summary of Analytical Results in Soil – Perimeter Sampling Locations
- Figure 13: PFOS Results in Soil from 0 to 0.5 ft BLS
- Figure 14: PFOS Results in Soil from 0.5 to 2 ft BLS
- Figure 15: PFOS Results in Soil from 2 to 4 ft BLS
- Figure 16: PFOS Results in Soil from 5 to 7 ft BLS
- Figure 17: PFOS Results in Soil from 8 to 10 ft BLS
- Figure 18: PFOA Results in Soil from 0 to 0.5 ft BLS
- Figure 19: PFOA Results in Soil from 0.5 to 2 ft BLS
- Figure 20: PFOA Results in Soil from 2 to 4 ft BLS
- Figure 21: PFOA Results in Soil from 5 to 7 ft BLS
- Figure 22: PFOA Results in Soil from 8 to 10 ft BLS
- Figure 23: Summary of Analytical Results in Groundwater from 5 to 25 ft BLS
- Figure 24: Summary of Analytical Results in Groundwater from 5 to 25 ft BLS – Perimeter Sampling Locations
- Figure 25: Summary of Analytical Results in Groundwater from 25 to 70 ft BLS
- Figure 26: Summary of Analytical Results in Groundwater from 25 to 70 ft BLS – Perimeter Sampling Locations
- Figure 27: Summary of Analytical Results in Groundwater from 76 to 171 ft BLS
- Figure 28: Vertical Extent of PFOS and PFOA in Groundwater from A-A'
- Figure 29: Vertical Extent of PFOS and PFOA in Groundwater from B-B'
- Figure 30: Summary of Analytical Results in Sediment and Surface Water

LIST OF APPENDICES

- Appendix A: University of Florida Letters for Screening and Provisional Cleanup Target Levels
- Appendix B: EDR Offsite Receptor Report
- Appendix C: Field Forms
- Appendix D: Laboratory Analytical Reports
- Appendix E: Final IDW Manifest

1. INTRODUCTION

1.1 Overview

Geosyntec Consultants, Inc. (Geosyntec) has prepared this Supplemental Site Assessment Report for the Indian River State College Fire Training Facility (IRSC; herein, “the Site”) located at 4600 Kirby Loop Road in Fort Pierce, St. Lucie County, Florida (**Figure 1**). This work was completed on behalf of the Florida Department of Environmental Protection (FDEP) in accordance with Task Assignment SA211 under Contract HW683 between Geosyntec and the FDEP.

1.2 Objectives

The objectives of this investigation were to assess the extent and magnitude of per- and polyfluoroalkyl substances (PFAS) impacts in soil, groundwater, and surface water at the Site. Soil, groundwater, and surface water impacts have been previously identified at the Site, and this assessment was conducted to refine the conceptual site model. Specific objectives of this assessment included:

- collecting soil samples to refine the extent of soil PFAS impacts in the southwest portion of the Site property and to assess the presence or absence of soil PFAS impacts in the northeast portion of the Site near previously identified groundwater impacts that are potentially separate from the main dissolved plume;
- collecting surface water samples in the northeast portion of the Site to assess PFAS concentrations in this area;
- installing additional monitoring wells for the purpose of assessing the horizontal and vertical extent of groundwater PFAS impacts across the Site; and
- collecting groundwater samples from all Site monitoring wells to assess temporal stability of the groundwater PFAS impacts.

1.3 PFAS Overview

The Interstate Technology and Regulatory Council (ITRC) has developed fact sheets and guidance documents to summarize the latest science and emerging technologies for PFAS. According to the ITRC PFAS Technical and Regulatory Guidance, it is estimated that PFAS may consist of 5,000 to 10,000 manmade fluorinated organic chemical compounds that have been extensively manufactured since the mid-20th century (ITRC, 2021).

PFAS are widely used due to their unique physical and chemical properties (e.g., surfactant, oil-repelling, water-repelling, etc.) (ITRC, 2021; USEPA, 2017). One widely recognized use of PFAS is as a component in aqueous film forming foam (AFFF) (USEPA, 2017). AFFF has been stored and used by the military, airports, and other firefighting and fire-training facilities to extinguish hydrocarbon fires (ITRC, 2020; USEPA, 2017). PFAS are emerging environmental contaminants of concern due to evidence of their potential human health effects or environmental risks. When

released to the environment, some PFAS have been shown to be stable, mobile, persistent, and bioaccumulative (ITRC 2020; USEPA 2017).

PFAS have been manufactured using two major processes: electrochemical fluorination (ECF) and fluorotelomerization (ITRC, 2021). Both perfluoroalkyl substances and polyfluoroalkyl substances may be manufactured using ECF and fluorotelomerization. Perfluoroalkyl substances are fully fluorinated and include perfluoroalkyl acids (PFAAs) and perfluoroalkane sulfonamides (FASAs). Polyfluoroalkyl substances are partially fluorinated and have a non-fluorine atom attached to at least one of the carbon atoms (ATSDR, 2017; ITRC, 2021). Perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) are two perfluoroalkyl substances (specifically PFAAs) (ITRC, 2021; USEPA, 2017).

PFAAs are considered to be less complex compared to other PFAS and essentially do not degrade under normal environmental conditions. As a result, they are much more persistent compared to other PFAS and have been the focus of the majority of regulatory screening criteria. PFAAs may be found at sites from the use and release of products that contain these molecules or may be found in the environment as the result of polyfluoroalkyl substance degradation. Polyfluoroalkyl substances that degrade into PFAAs are referred to as “precursors.” According to ITRC, longer chain PFAAs are not known to degrade to shorter chain PFAAs in the environment. However, FASAs can degrade to form PFAAs (ITRC, 2021).

PFAAs are divided into two major subgroups: perfluoroalkyl carboxylic acids (PFCAs) and perfluoroalkane sulfonic acids (PFSAs). PFSAs are produced only using the ECF process, but PFCAs are produced using both ECF and fluorotelomerization. Additionally, PFSAs and PFCAs may also be found in the environment from the transformation of different precursors. Because of the persistence of PFAAs in the environment, some have been phased out of production and replaced with other PFAS chemistries (ITRC, 2021).

1.4 Assessment Overview

In June 2019, Geosyntec completed a Preliminary Assessment at IRSC (Task Assignment HW550-SI-0A024) that included soil, groundwater, surface water, and sediment sampling to assess the presence or absence of PFAS in Site media (Geosyntec, 2019). Results indicated that concentrations of PFOS and/or PFOA were detected above FDEP’s provisional cleanup target levels (CTLs) in soil and groundwater (see **Section 1.5** regarding provisional CTLs).

Between February and March 2020 (Task Assignment HW550-SOL-0A065), Geosyntec conducted assessment activities to assess the extent of PFAS in soil, groundwater, surface water, and sediment. Geosyntec prepared and submitted a Site Assessment Report in May 2020 that summarized the results and findings from the Preliminary Assessment conducted in June 2019 and the Site Assessment conducted between February and March 2020.

Between July and September 2020 (Task Assignment HW550-SOL-0A089), Geosyntec conducted assessment activities to further assess the extent of PFAS in soil, groundwater, surface water, and sediment. Geosyntec prepared and submitted a Supplemental Site Assessment Report in January

2021 that summarized the results and findings from Site Assessment conducted between June 2019 and March 2020.

Between August and September 2021 (Task Assignment HW550-SOL-0A133), Geosyntec conducted assessment activities to further assess the extent of PFAS in soil, groundwater, and surface water. Geosyntec prepared and submitted a Supplemental Site Assessment Report in November 2021 that summarized the results and findings from Site Assessment conducted between June 2019 and September 2021.

In June 2022 (Task Assignment HW683-SA179), Geosyntec conducted assessment activities to further assess the extent of PFAS in soil and groundwater. Geosyntec prepared and submitted a Supplemental Site Assessment Report in October 2022 that summarized the results and findings from Site Assessment conducted between June 2019 and June 2022.

Based on findings from previous assessment activities, Geosyntec prepared a work plan for supplemental sampling activities to refine the extent of soil, groundwater, and surface water impacts. The Supplemental Site Assessment Work Plan included figures showing the proposed sampling locations and tables summarizing the sampling locations, matrices, depth intervals, sampling methods, laboratory analyses, rationale, and screening criteria. Supplemental Site Assessment activities were completed in March 2023 (Task Assignment HW683-SA211). This report presents activities from the Supplemental Site Assessment investigation conducted in February and March 2023 and comprehensive results for assessment activities for June 2019 through March 2023. A table listing samples collected at the Site in February and March 2023 is provided as **Table 1**.

1.5 Laboratory Analysis and Data Screening Process

Samples collected from environmental media including groundwater, sediment, soil, and surface water were packed on wet ice and transported under chain-of-custody to the FDEP Laboratory. Samples were analyzed for PFAS by the FDEP Laboratory using FDEP Standard Operating Procedure (SOP) LC-001-3.

CTLs for individual PFAS have not been promulgated under Chapter 62-777, Florida Administrative Code (FAC). Following the procedures promulgated in Chapter 62-777 FAC, Chapter 62-780 FAC, and at the request of FDEP, the University of Florida (UF) calculated provisional soil cleanup target levels (SCTLs) for residential-direct exposure (R-), commercial/industrial-direct exposure (I-), and provisional groundwater leachability (L-) SCTLs for PFOA and PFOS. Following the promulgated procedures, UF also calculated provisional groundwater cleanup target levels (GCTLs) for PFOA and PFOS. The formulas, assumptions, and chemical-specific parameters used in the calculations are presented in letters prepared by UF included in **Appendix A**. The following table summarizes the provisional cleanup target levels.

Provisional Cleanup Target Level	PFOA	PFOS	PFOA + PFOS*	Units**
R-SCTL	1,300	1,300	Not applicable	µg/kg
I-SCTL	25,000	25,000	Not applicable	µg/kg
L-SCTL	2	7	Not applicable	µg/kg
Groundwater	70	70	70	ng/L

* PFOA + PFOS indicates the summation of PFOA and PFOS.

** µg/kg indicates micrograms per kilogram and ng/L indicates nanograms per liter.

The provisional CTLs were used as the primary screening criteria to evaluate the nature and extent of PFAS in soil and groundwater. The analytical results of the media sampled at the Site were evaluated to identify PFAS present at concentrations that exceed applicable screening criteria and assess areas of the Site that may require further investigation. For general Site characterization, both soil and groundwater were screened against human health criteria. Soil data were compared to the provisional L-, R-, and I-SCTLs, and groundwater data were compared to the provisional GCTLs.

At the request of FDEP, UF calculated surface water screening levels for PFOA and PFOS based on the protection of human health based on fish and shellfish ingestion pathways. The formulas, assumptions, and chemical-specific parameters used in the calculations are presented in a white paper prepared by UF included in **Appendix A**. The following table summarizes the surface water screening levels.

Surface Water Screening Levels for PFOA and PFOS		
Surface Water Screening Levels Based on the Consumption of Freshwater and Estuarine Finfish and Shellfish	PFOA	PFOS
	500 ng/L	10 ng/L

Currently, the screening levels for surface water are non-regulatory and non-enforceable. Neither provisional CTLs nor screening levels for sediment has been calculated. Therefore, the analytical results from these media were evaluated to identify potential exposure pathways and/or potential sources of PFAS.

2. SITE DESCRIPTION AND HISTORY

2.1 Site Location

The Site is at the IRSC Treasure Coast Public Safety Training Complex located at 4600 Kirby Loop Road in Fort Pierce, St. Lucie County, Florida. The Site property lies within Section 19, Township 35 South, and Range 40 East of the Fort Pierce Quadrangle. Within the 50-acre campus, the smaller footprint of the environmental assessment area includes a fire tower, burn buildings, a fire engine garage, retention areas, Fivemile Creek, and AFFF storage. The Site is bordered to the south and west by primarily residential areas. Fivemile Creek and vegetated areas border the northern and eastern boundaries of the Site. The United States Geological Survey topographic map showing the Site location is provided as **Figure 1**. The Site Vicinity Map is presented in **Figure 2**.

2.2 Site Utilities

Multiple underground utility types including potable water, wastewater, and stormwater pipes as well as electrical, natural gas, propane, and telecommunication lines have been identified within the area of environmental assessment activities at the Site. As-built figures depicting the master utility locations within the area of assessment activities were not provided during the assessment.

2.3 Topography and Drainage

The topography of the Site is generally flat with an elevation of approximately 19 feet (ft) above mean sea level. Stormwater retention areas form surface depressions at five areas on-Site.

The Site Vicinity Map (**Figure 2**) depicts one stormwater retention area partially within the property boundary that stores stormwater from the Site. Additionally, a creek (Fivemile Creek) borders the northern and eastern property boundaries that presumably conveys stormwater runoff from the Site (and nearby properties or roadways) before merging with the St. Lucie River.

2.4 Potable Water Supply Wells and Potential Receptors

A potable well desktop survey was conducted within a 1-mile radius of the Site through the Florida Department of Health (FDOH) website (FDOH, 2020) and included in the Site Assessment Report. A total of 55 potable wells (5 labeled as “inactive”) were identified within a 0.5-mile radius, and 101 potable wells were identified between a 0.5- and 1-mile radius from the Site. Three FDEP petroleum cleanup sites were identified between a 0.5- and 1-mile radius from the Site. The Site is bordered to the south and west predominantly by single-family residences. Fivemile Creek, IRSC athletic facilities, and student housing are situated east of the Site. Forested areas and retail developments are situated north of the Site. Potable wells identified within a 1-mile radius of the Site are depicted in **Figure 3**. **Table 2** includes detailed information of the potable wells collected from the FDOH website.

An Environmental Data Resources, Inc. (EDR) Offsite Receptor Report for the Site was obtained and provided as **Appendix B**. Within a 1-mile radius from the Site, two daycare centers, six

schools, and one college were identified. An estimated 4,082 people live within a 1-mile radius from the Site.

2.5 Operational Description

According to the IRSC website, the facility offers training for students seeking state certification as firefighters as well as current firefighters seeking to advance fire service areas (IRSC, 2020). An on-Site fire training tower, burn buildings, and props are used to create training simulations. According to IRSC staff at the Site, the facility has historically used approximately 5 to 10 gallons of AFFF four times per year as part of the fire training activities. The AFFF usage area includes a grassy portion to the west of the Fire Tower and a portion on an impermeable surface to the south of the Fire Tower. The grassy portion contains the fire-training props.

2.6 Previous Investigations

According to the FDEP Information Portal website, no known environmental investigations for PFAS or other constituents of concern were previously conducted or reported to the FDEP for the Site (FDEP, 2020) prior to the Preliminary Assessment. Assessment activities conducted by Geosyntec beginning in June 2019 mark the initial environmental investigations at the Site.

3. GEOLOGY AND HYDROGEOLOGY

3.1 Regional Geology

Geologic formations underlying the region include, in descending order (Reese, 2004):

- The Pamlico Sand, consisting of a fine quartz sand and carbonate grains, which lies unconformably upon the Anastasia and Fort Thompson formations;
- The Fort Thompson Formation, consisting of discontinuous beds of marls and limestones;
- The Anastasia Formation that is a grainstone and composed of cemented shell fragments, commonly referred to as coquina;
- The Tamiami Formation that is composed of sandy very fine-grained biogenic limestone containing phosphatic sand and shells; and
- The Hawthorn Group that consists of phosphatic siliciclastic sediments of fine- to coarse-grained quartz sand, quartz silt, and clay minerals consisting of impermeable and semi-permeable marls.

Near the Site, St. Lucie County is primarily underlain by unconsolidated sediments that represent the Pamlico Sand and interbedded sands and coquina-rich limestones that are part of the Anastasia Formation.

3.2 Regional Hydrogeology

Two aquifers are present in St. Lucie County: the surficial aquifer and the Floridan Aquifer. The surficial aquifer is unconfined with a thickness between 50 and 250 ft and is comprised of permeable sands, limestone, and shell beds of the Pamlico Sand, Fort Thompson Formation and Anastasia Formation (Reese, 2004). The surficial aquifer is separated from the underlying Floridan Aquifer by the confining beds of the Tamiami and Hawthorn Formations that consist of several hundred feet of relatively impermeable clays, silts, and marls (Reese, 2004). Near the Site, the Floridan Aquifer is separated from the surficial aquifer by a confining unit and is not considered a potable water source in this area due to brackish conditions.

3.3 Site-Specific Geology

As part of Site assessment activities, Geosyntec documented lithology from soil boring locations advanced via rotary sonic drilling during monitoring well installation activities. This Site-specific lithology data is comprised of 11 borings advanced up to 19 ft below land surface (BLS), 1 boring advanced to 35 ft BLS, 14 borings advanced up to 50 ft BLS, 1 boring advanced to 110 ft BLS, 1 boring advanced to 130 ft BLS, 2 borings advanced to 140 ft BLS, and 1 boring advanced to 180 ft BLS.

The surficial lithology across the Site generally consists of very fine to medium grained sand with minor amounts of silt, clay, and roots (near land surface). The boundary between surficial sands and limestone was encountered at depths between 42 and 48 ft BLS. At DEPMW-38 (total depth

of 110 ft BLS), sand and silt were encountered below the limestone at 52 ft BLS, another layer of limestone was encountered from 90 to 100 ft BLS and underlain by sand and clayey sand. At DEPMW-45, DEPMW-46, DEPMW-48, and DEPMW-62, silt and clay with interbedded sand were generally the primary lithology type below approximately 114 ft BLS. Cross sections representing the generalized lithology at the Site are presented on **Figure 4** and **Figure 5**.

Additionally, lithology was documented at each sediment boring location advanced during prior assessments. Lithology collected from the sediment samples varied by location and generally consisted of sand with fines or silty, clayey sand.

3.4 Site-Specific Hydrogeology

Geosyntec collected depth-to-groundwater measurements in monitoring wells across the Site (see **Section 4.4** and **Appendix C**) in February 2023 prior to groundwater sampling. Based on the depth-to-groundwater measurements, groundwater contours of the water table were generated for surface water and groundwater between 5 and 19 ft BLS, and contours of the potentiometric surface were prepared for groundwater between 25 and 50 ft BLS and between 90 and 171 ft BLS. Groundwater flow within the 5 to 19 and 25 to 50 ft BLS zones was generally northeast across the Site towards Fivemile Creek; groundwater flow in the area northeast from Fivemile Creek was southwest towards Fivemile Creek. Groundwater flow within the 90 to 171 ft BLS zone was generally to the northeast, based on the limited data. **Figure 6** through **Figure 8** depict groundwater elevations within the 5 to 19 ft BLS zone, 25 to 50 ft BLS zone, and 90 to 171 ft BLS zone, respectively.

Vertical hydraulic gradients were calculated for monitoring well pairs across the Site. Upward hydraulic gradients were observed at shallow well pairs near surface water features (i.e., Fivemile Creek and the canal that discharges to Fivemile Creek along the northern Site property boundary) and downward hydraulic gradients were observed in shallow well pairs in other areas of the Site. Groundwater elevations were also compared between deeper well pairs (DEPMW-38/DEPMW-47/DEPMW-48) and an upward vertical gradient was observed across these three wells, suggesting there is also an upward vertical hydraulic gradient within the 90 to 171 ft BLS zone.

4. SITE CHARACTERIZATION

4.1 Overview

Field activities were performed in general accordance with FDEP SOPs for Field Activities and internal SOPs for PFAS sampling that were developed by Geosyntec. The sampling locations (including quality assurance and quality control [QA/QC] samples), matrices, depth intervals, sampling methods, laboratory analyses, rationale, and screening criteria used during the assessment activities are summarized in **Table 1**, which reflects any deviations from past Preliminary Assessment and Site Assessment Work Plans (and which are further discussed in the sections below). On-Site sampling locations are provided on **Figure 9**, and off-Site sampling locations are provided on **Figure 10**. Field forms are provided in **Appendix C**, and laboratory analytical reports are provided in **Appendix D**.

Geosyntec updated the Site-specific Health and Safety Plan (HASP) in August 2021 to address project-specific hazards that were known or suspected to be present due to existing conditions and work to be performed at the Site. No additional updates were required prior to performing field work in February 2023. This HASP revision met the requirements specified in the Occupational Safety and Health Administration Hazardous Waste Operations and Emergency Response program and Geosyntec's internal health and safety standards. Geosyntec maintained the HASP on-Site during assessment activities.

4.2 Utility Locate

Geosyntec observed GeoTek Services, LLC (GeoTek) perform underground utility surveys prior to drilling activities. During the surveys, GeoTek utilized electromagnetic induction and ground penetrating radar to identify potential subsurface utilities or obstructions. The suspected underground utilities were marked on land surface and sampling or monitoring well locations were repositioned as necessary to avoid potential subsurface conflicts.

4.3 Soil Assessment

Geosyntec collected 33 discrete soil samples via hand auger and direct push technology (DPT) drilling in February 2023 from 9 boring locations (SB-79 to SB-87) to refine the horizontal extent of soil impacted with PFOS and/or PFOA concentrations above FDEP's provisional L-SCTL in the southwest corner of the Site property and assess the presence or absence of PFAS impacts in the northeast portion of the Site near previously identified groundwater impacts (DEPMW-41). The boring locations were completed to 4 ft BLS (SB-84 through SB-87) or 10 ft BLS (SB-79 through SB-83). Soil sampling locations and analytical results are presented on **Figure 11** through **Figure 22**.

4.3.1 Soil Sampling Methodology

To date, a total of 410 discrete soil samples from 101 boring locations have been collected for laboratory analysis by both FDEP and Geosyntec, which includes 33 discrete soil samples from 9

soil borings that were collected by Geosyntec in February 2023. Soil samples were collected using decontaminated stainless-steel hand augers and decontaminated DPT equipment.

Completed soil borings were backfilled with the unused soil cuttings corresponding to the specific soil boring location and interval from which the soil was removed. Soil sample intervals and identifications are included in **Table 1**.

QA/QC samples from February 2023 associated with soil sampling includes two equipment blanks (EQB-64 and EQB-65) that were collected from decontaminated hand auger buckets. No detections were noted in the QA/QC samples collected as part of soil sampling activities.

4.3.2 Soil Results and Conclusions

Comprehensive soil laboratory analytical results are summarized in **Table 3** and depicted on **Figure 11** and **Figure 12**. PFOS results are presented by depth interval on **Figure 13** through **Figure 17**. PFOA results are presented by depth interval on **Figure 18** through **Figure 22**.

Soil PFOS and PFOA concentrations greater than provisional L-SCTLs occur in the grassy portion of the AFFF usage area and extend west towards the adjacent low-lying, vegetated area. The horizontal extent of soil PFOS impacts is generally larger than the extent of soil PFOA impacts near the AFFF usage area. Additionally, soil at boring SB-53, located at the southwest corner of the Site property, had PFOS concentrations greater than the provisional L-SCTL. Other soil borings in the vicinity of SB-53, which includes SB-84 through SB-87 collected in February 2023, exhibited PFOS and PFOA concentrations less than provisional L-SCTLs. Soil samples were also collected from soil borings SB-79 through SB-83 in February 2023, near monitoring well DEPMW-41, and PFOS and PFOA concentrations were less than provisional L-SCTLs at the sampled intervals at these boring locations. Soil impacts at the Site are below R-SCTLs. Based on soil sampling analytical results, the delineation of soil is complete and meets the requirements of Chapter 62-780, FAC.

4.4 Groundwater and Surface Water Assessment

Previous groundwater assessment activities included installing and sampling monitoring wells at 48 locations (DEPMW-1 through DEPMW-48), conducting direct push technology (DPT) groundwater sampling at 34 locations (SP-1 through SP-34), and collecting surface water grab samples at 20 locations (SW-1 through SW-20). Based on the results from previous Site assessment activities, Geosyntec proposed installing 14 additional monitoring wells, collecting groundwater samples from the Site monitoring well network to support spatial and temporal assessment of PFAS impacts in groundwater, and collecting surface water samples from 3 additional locations to refine the extent of surface water impacts upgradient to Fivemile Creek. Well construction details are summarized in **Table 4**. Monitoring well, screen point, and surface water sampling locations are presented on **Figure 9** and **Figure 10**.

For the purpose of this investigation, Geosyntec has defined three depth interval zones at 5 to 25, 25 to 70, and 76 to 171 ft BLS. These zones are based on the vertical distribution of PFAS

compounds in groundwater and the depths of low permeability silts and/or clays previously identified at 51 to 67 ft BLS.

4.4.1 Depth-to-Groundwater and Monitoring Well Sampling Methodology

Geosyntec measured depth-to-groundwater in 62 Site monitoring wells (DEPMW-1 through DEPMW-62) and measured the water level at staff gages SG-1 and SG-2 on 27 February 2023 prior to groundwater sampling. Groundwater levels were measured to the nearest 0.01 ft using an electronic water-level indicator. Depth-to-groundwater measurements and the surveyed top-of-casing elevations were used to calculate the groundwater elevations presented in **Table 5**.

Monitoring well samples were collected via peristaltic pump after stabilization of water quality parameters (i.e., temperature, conductivity, pH, turbidity, and dissolved oxygen). Groundwater sampling logs and calibration forms are included with the field notes in **Appendix C**. The laboratory analytical reports are provided in **Appendix D**. Purge water generated during well sampling activities was containerized and transported off-Site for disposal (see **Section 4.6**).

QA/QC samples collected in February and March 2023 consisted of seven equipment blanks that were collected from the drill tooling used to install monitoring wells (EQB-66 through EQB-69), the electric submersible pump used during groundwater sampling (EQB-70), and peristaltic pump tubing used during groundwater sampling (EQB-71 and EQB-72). One field reagent blank (FRB-23) was collected near on-Site monitoring wells during sampling activities. PFAS detections were observed in EQB-69, which was collected from sonic drilling rods used to install DEPMW-62. No detections were noted in other QA/QC samples collected as part of monitoring well sampling activities.

4.4.2 Surface Water Sampling Activities

Geosyntec collected surface water samples from 3 locations (4 samples including 1 duplicate; SW-21 through SW-23) in February 2023. Geosyntec collected surface water samples using the direct grab technique. Surface water samples were collected from a pond that discharges westward through a canal for approximately 1,400 ft and discharges into Fivemile Creek upstream from the dissolved groundwater plume at the Site as depicted on **Figure 10**.

QA/QC samples collected in February 2023 consisted of one field reagent blank (FRB-21) that was collected during surface water sampling activities.

4.4.3 Groundwater Elevation Results

Depth-to-groundwater measurements and the surveyed top-of-casing elevations were used to calculate groundwater elevations presented in **Table 5**. Contours of the water table surface are presented with groundwater and surface water elevation data on **Figure 6**, contours of the groundwater potentiometric surface for the 25 to 50 ft BLS and 90 to 171 ft BLS intervals are depicted on **Figure 7** and **Figure 8**, respectively.

Groundwater within the 0 to 19 ft BLS and 25 to 50 ft BLS intervals was generally flowing towards Fivemile Creek (northeast flow across the Site in the area southwest of Fivemile Creek and southwest flow in the portion of the Site northeast of Fivemile Creek) during the February 2023

sampling event, consistent with historical groundwater flow observations. Groundwater within the 90 to 171 ft BLS interval was generally flowing to the northeast, based on the limited data.

Vertical hydraulic gradients between the 0 to 19 ft BLS and 25 to 50 ft BLS intervals varied across the Site with upward vertical gradients generally observed near Fivemile Creek and other surface water features and downward vertical gradients observed in hydraulically upgradient areas of the Site (monitoring well pair DEPMW-41/DEPMW-44 and the portion of the Site upgradient from the AFFF usage area). The vertical upward gradient observed in these areas indicates that groundwater is discharging into Fivemile Creek and other surface water bodies.

Upward groundwater flow was observed within the 90 to 171 ft BLS interval at DEPMW-38/DEPMW-47/DEPMW-48.

4.4.4 Groundwater Sampling Results and Conclusions

Analytical laboratory results for DPT groundwater samples and monitoring well samples are summarized in **Table 6** and **Table 7**, respectively. Groundwater analytical results are depicted on **Figure 23** and **Figure 24** (showing 5 to 25 ft BLS zone), **Figure 25** and **Figure 26** (showing 25 to 70 ft BLS zone), and **Figure 27** (showing 76 to 171 ft BLS zone). The vertical extents of the summation of PFOS and PFOA (PFOA+PFOS) are depicted across A-A' in **Figure 28** and B-B' in **Figure 29**. Comprehensive groundwater analytical results indicate the following:

- Within the 5 to 25 ft BLS zone, groundwater PFOA+PFOA concentrations are generally highest near the AFFF usage area (DEPMW-5 and DEPMW-6), which is located near the primary soil contamination at the Site. Elevated groundwater PFOA+PFOS concentrations were also detected near the burn buildings north of the AFFF storage area at SP-19 and DEPMW-3. Upgradient from the AFFF usage area, groundwater impacts greater than provisional GCTLs were observed at DEPMW-39 in the southwest corner of the Site property and at newly installed monitoring wells DEPMW-53 and DEPMW-55, which are situated north and west of DEPMW-39, respectively. Additional groundwater data are warranted to complete delineation in this area. In the wooded area northeast of Fivemile Creek, DEPMW-41 and newly installed monitoring well DEPMW-52 had PFOA+PFOS concentrations greater than the provisional GCTL. Additional data are warranted to complete delineation in this area. Groundwater contamination in the northern and southern portions of the dissolved plume are delineated. However, the installation of additional monitoring wells may be warranted to refine the groundwater plume and assess plume stability.
- Within the 25 to 70 ft BLS zone, groundwater PFOA+PFOS concentrations greater than the provisional GCTL were observed within the AFFF usage area and the adjoining upgradient area to the south, west, and southwest. Groundwater PFOA+PFOS concentrations greater than the provisional GCTL were also observed in separate areas that include DPT groundwater borings at the north edge of the Site property (SP-1 and SP-2) and in the wooded area northeast of Fivemile Creek (SP-33). In the southern portion of the Site, PFAS concentrations at DEPMW-32 and DEPMW-42 increased to above provisional GCTLs in March 2023. Additional groundwater sampling is warranted to

confirm these results. Groundwater contamination in this zone is considered to be delineated except near DEPMW-32 and DEPMW-42 in the southern portion of the Site. The installation of additional monitoring wells may be warranted to refine the groundwater plume and assess stability.

- Within the 76 to 171 ft BLS zone, groundwater PFOA+PFOS concentrations greater than the provisional GCTL were observed for DPT groundwater samples within the AFFF usage area (SP-22) and the adjoining upgradient area to the south (SP-21), west (SP-28), and southwest (SP-29). However, groundwater PFOA+PFOS concentrations at monitoring wells screened within the 76 to 171 ft BLS interval were less than the provisional GCTL and did not confirm the DPT results. Based on the current monitoring well data, this depth interval is not impacted by PFOA+PFOS concentrations greater than the provisional GCTL and the groundwater plume is vertically delineated.

Summary of Source Area Concentrations Near the AFFF Usage Area

The highest groundwater PFOA+PFOS concentrations at the Site were generally located near the AFFF usage area where PFOS- and PFOA-contaminated soil was previously detected and near the burn buildings downgradient of the former AFFF usage area.

Groundwater data near the AFFF usage area indicate that the highest PFOA+PFOS groundwater concentrations occur within the 5 to 25 BLS interval. Within the 25 to 70 ft BLS interval, groundwater PFOA+PFOS concentrations are greater than the provisional GCTL in an area that includes the AFFF usage area and extends south and southwest to beyond the southern property boundary. This area of the 25 to 70 ft BLS dissolved plume approximates the overlying plume where downward vertical hydraulic gradients are also observed. Within the 76 to 171 ft BLS zone, groundwater PFOA+PFOS concentrations were greater than the provisional GCTL in DPT groundwater samples from the AFFF usage area. However, monitoring well samples did not confirm the DPT groundwater sample results and provide delineation of the vertical extent of groundwater PFOA+PFOS concentrations near the AFFF usage area.

Summary of Concentrations in Peripheral Site Areas

Groundwater PFOA+PFOS concentrations were greater than the provisional GCTL in the area to the west, south, and southwest from the AFFF usage area and also in limited areas near the north edge of the Site property and the wooded area northeast of Fivemile Creek. Soil sampling results in the southwest portion of the Site property (hydraulically upgradient from the AFFF usage area) indicate the presence of a limited area of soil PFOS impacts that may have influenced groundwater PFOS concentrations in the area (e.g., at DEPMW-39).

Groundwater results indicate that the highest PFOA+PFOS groundwater concentrations in peripheral Site areas occur within the 5 to 25 BLS zone. Groundwater sampling results at newly installed monitoring wells DEPMW-53 and DEPMW-55 indicate that the dissolved plume is not delineated in the southwest portion of the Site. Within the wooded area northeast from Fivemile Creek, PFOA+PFOS concentrations greater than the provisional GCTL were observed in the 5 to

25 ft BLS interval at DEPMW-41 and newly installed DEPMW-52; additional assessment is warranted to complete delineation in this area.

Within the 25 to 70 ft BLS zone, groundwater PFOA+PFOS concentrations were greater than the provisional GCTL at monitoring wells in the area south and southwest from the AFFF usage area and monitoring wells DEPMW-42 and DEPMW-58 located at the southern extent of the Site had PFOA+PFOS concentrations greater than the provisional GCTL; additional assessment may be warranted to assess the extent of groundwater impacts in this area.

Within the 76 to 171 ft BLS zone, groundwater PFOA+PFOS concentrations greater than the provisional GCTL were detected in DPT groundwater samples but were not confirmed by monitoring well samples. Groundwater PFOA+PFOS concentrations at monitoring wells screened within the 76 to 171 ft BLS zone were less than the provisional GCTL.

4.4.5 Surface Water Sampling Results and Conclusions

Surface water analytical results are summarized in **Table 8** and depicted on **Figure 30**. Provisional CTLs have not been developed for surface water; however, surface water screening levels (SWSLs) have been derived based on the protection of human health based on fish and shellfish ingestion pathways (**Appendix A**). Therefore, concentrations of PFOS and PFOA from all sampling events were compared with the SWSLs of 10 and 500 ng/L, respectively. Surface water analytical results indicate the following:

- PFOS surface water concentrations were greater than 10 ng/L in each of the surface water samples collected in Fivemile Creek and the drainage system north and east of the Site.
- PFOS concentrations from the pond and ditch upgradient from Fivemile Creek (SW-18, SW-19, and SW-21 through SW-23) were higher than surface water samples collected on-Site or from Fivemile Creek. Surface water sample SW-21, collected in February 2023, had PFOS concentration of 470 ng/L, which is the highest surface water detection collected at the Site. These surface water results may indicate a potential secondary PFAS source that could be impacting shallow monitoring wells DEPMW-41 and DEPMW-52. The surface water bodies in this area are west of the Former Indian River State College Fire Training Facility PFAS groundwater plume and connected to impacted surface water associated with that plume.
- PFOA surface water concentrations were less than 500 ng/L in the surface water samples.

During the investigation, no fishing was observed in the retention pond at the southeast portion of the Site and the pond is completely surrounded by a fence inaccessible by the general public. Since the SWSL is based on the consumption of fish and shellfish, the southeast retention pond may not represent a complete exposure pathway and the SWSLs may not be applicable to these samples. Fivemile Creek and the other surface water features sampled as part of this assessment are generally accessible to the public and do appear to support a fish or shellfish population. Therefore, Fivemile Creek represents a potentially complete exposure pathway.

4.5 Sediment Assessment

Geosyntec collected a total of 16 sediment samples during assessment activities prior to 2021. The sampling locations are depicted on **Figure 9**. Previous sediment sampling locations included the retention area located west of the AFFF usage area, adjacent to Fivemile Creek along the eastern boundary of the site, and adjacent to the retention pond location in the southeastern portion of the Site.

4.5.1 Sediment Results

Analytical laboratory sediment results and sample locations are presented on **Figure 30**, and results are tabulated in **Table 9**. Provisional CTLs have not been developed for sediment; therefore, individual concentrations of PFOS and PFOA were compared with the provisional L-SCTLs of 2 µg/kg and 7 µg/kg, respectively, to assess potential sources that could contribute PFAS constituents to Site media (e.g., groundwater and/or surface water). Sediments that remain perpetually submerged do not represent a direct exposure pathway for human health. Sediment analytical results have indicated the following:

- PFOA concentrations were less than 2 µg/kg in the analyzed sediment samples.
- PFOS concentrations were greater than 7 µg/kg in sediment samples Sed-2, Sed-13, and Sed-14, which were collected in the retention area west from the AFFF usage area. The results indicate that PFOS could be leaching from sediment to surface water and/or groundwater. The other sediment samples had PFOS concentrations less than 7 µg/kg.

Additional sediment sampling may be warranted to assess potential PFAS sources near surface water sampling location SW-21.

4.6 Decontamination Procedures

Decontamination activities were performed in accordance with Geosyntec internal SOPs for PFAS sampling either at a designated staging and laydown area or at each monitoring well location. Decontaminated equipment was staged on clean plastic sheeting prior to use. Decontamination fluids were drummed as investigation derived waste (IDW) and disposed off-Site.

Decontamination procedures utilized for reusable soil and groundwater sampling equipment included decontaminating the sampling equipment in 5-gallon high density polyethylene (HDPE) buckets. This sampling equipment was first submerged and scrubbed in one 5-gallon HDPE bucket filled with a solution of Liquinox detergent and PFAS-free water and then submerged in two 5-gallon HDPE buckets filled with PFAS-free water. The equipment was rinsed with PFAS-free water in spray bottles after the first and third buckets. Equipment blanks from soil sampling equipment (EQB-64 and EQB-65) and monitoring well installation and sampling equipment (EQB-66 through EQB-72) were collected in February and March 2023, as discussed in **Section 4.3.1** and **4.4.1**, respectively.

4.7 Investigation Derived Waste

A total of 14 drums of IDW (2 containing soil IDW and 12 containing liquid IDW) were generated during the February and March 2023 assessment event from decontamination activities, monitoring well installation, and monitoring well purge water. A field drum inventory is provided in **Appendix C**. Erwin Remediation removed the 14 drums for off-Site disposal on 2 May 2023. The final IDW manifest for the drum disposal is provided in **Appendix E**.

5. CONCLUSIONS

During Site assessment activities in February and March 2023, Geosyntec collected samples of Site media (soil, surface water, and groundwater) for laboratory analysis of up to 36 individual PFAS. The concentrations of PFOS and PFOA in soil and groundwater were screened against provisional CTLs, and the results from surface water were screened against provisional SWSLs. The comprehensive assessment results indicated the following:

- The soil concentrations of PFOS and PFOA were below the provisional R- and I-SCTLs.
- Soil concentrations of PFOS and/or PFOA were above the provisional L-SCTLs from land surface to the water table within the grassy portion of the AFFF usage area and coincided with elevated PFOA+PFOS concentrations in groundwater. The extent of PFOS and PFOA soil contamination was delineated in the AFFF usage area. Soil PFOS was detected above the provisional L-SCTL from 0.5 to 2 ft BLS in the southwest corner of the Site at SB-53; additional soil sampling completed in June 2022 and February 2023 near SB-53 did not detect any other soil with PFOS and PFOA concentrations greater than provisional L-SCTLs. Assessment for the presence or absence of PFAS soil impacts in the wooded area near monitoring wells DEPMW-41/DEPMW-44 did not reveal PFOS or PFOA concentrations greater than provisional L-SCTLs. The extent of soil PFAS contamination is considered to be delineated.
- Groundwater within the 0 to 19 ft BLS and 25 to 50 ft BLS intervals was generally flowing towards Fivemile Creek. Upward vertical hydraulic gradients were observed near surface water features (Fivemile Creek and the drainage canal along the north Site property boundary) and downward hydraulic gradients were observed in other areas of the Site. The upward hydraulic gradients that groundwater is discharging to surface water features.
- Groundwater concentrations of PFOA+PFOS were greater than the provisional GCTL at multiple intervals between 5 and 130 ft BLS.
 - Within the 5 to 25 ft BLS zone, groundwater PFOA+PFOS concentrations are generally highest near the AFFF usage area (DEPMW-5 and DEPMW-6), which is located near the primary soil contamination at the Site. Elevated groundwater PFOA+PFOS concentrations were also detected near the burn buildings north of the AFFF storage site at SP-19 and DEPMW-3. Groundwater impacts greater than provisional GCTLs were observed at monitoring wells in the southwest portion of the Site (i.e., DEPMW-39, DEPMW-53, and DEPMW-55). Within the wooded area northeast of Fivemile Creek, groundwater impacts greater than provisional GCTLs were observed at DEPMW-41 and DEPMW-52. Additional groundwater data are needed to complete delineation in southwest portion of the dissolved plume and within the wooded area northeast of Fivemile Creek.
 - Within the 25 to 70 ft BLS zone, groundwater PFOA+PFOS concentrations greater than the provisional GCTL were observed within the AFFF usage area and the

- adjoining upgradient area to the south, west, and southwest. Groundwater PFOA+PFOS concentrations greater than the provisional GCTL were also observed at DPT groundwater borings at the north edge of the Site property (SP-1 and SP-2) and in the wooded area northeast of Fivemile Creek (SP-33). Groundwater concentrations detected at the southern extent of the Site (DEPMW-32, DEPMW-42, and DEPMW-58) increased above the provisional GCTL in March 2023. Based on current data, groundwater contamination in this zone is considered to be delineated except near DEPMW-32 and DEPMW-42. Installation of additional monitoring wells may be warranted to refine the plume extent and assess stability.
- Within the 76 to 171 ft BLS zone, groundwater PFOA+PFOS concentrations greater than the provisional GCTL were observed for DPT groundwater samples within the AFFF usage area (SP-22) and the adjoining upgradient area to the south, west, and southwest. However, groundwater PFOA+PFOS concentrations at monitoring wells screened within the 76 to 171 ft BLS interval were less than the provisional GCTL and did not confirm the DPT results. Based on the current monitoring well data, this depth interval is not impacted by PFOA+PFOS concentrations greater than the provisional GCTL and the groundwater plume is vertically delineated.
 - PFOA+PFOS groundwater concentrations greater than the provisional GCTL in areas hydraulically upgradient (south and southwest) from the AFFF usage area suggest that transport via surface water, stormwater runoff, or previous soil contamination (SB-53) may influence the distribution of groundwater contamination.
 - Fivemile Creek represents a potentially complete exposure pathway for surface water. Additional sampling of Site media may be warranted in the area near SW-21 that discharges to Fivemile Creek via a drainage canal; the PFOS surface water concentration at SW-21 was 470 ng/L in February 2023.
 - Sediment PFOS concentrations in the retention area west of the AFFF usage area were greater than the provisional soil L-SCTL and may represent a source of PFAS constituents that could leach to groundwater and/or surface water.

Soil impacts identified near the AFFF usage area represent the primary PFAS source for groundwater and surface water impacts at the Site. Soil impacts are delineated. Continued monitoring of the groundwater plume is needed to assess plume stability and assess whether the impacted soil is causing the plume to migrate.

Groundwater impacts occur within the AFFF usage area and in peripheral areas of the Site. The presence of topographic features (low-lying areas, drainage ditches, and surface water) and proximity to the Former Indian River State College Fire Training Facility PFAS plume (potential influence on northeast portion of Site) may contribute to the distribution of groundwater PFAS in peripheral areas of the Site. Groundwater PFAS impacts occur at the highest concentrations and are the most laterally extensive within the 5 to 25 ft BLS zone. Collecting additional groundwater data within the 5 to 25 ft BLS zone is warranted to complete delineation in the southwest corner

of the Site property and in the wooded area northeast from Fivemile Creek. Groundwater PFAS impacts have also been detected in the 25 to 70 ft BLS and 76 to 171 ft BLS zones. Groundwater impacts within the 25 to 70 ft BLS interval generally approximate the overlying shallow plume where downward hydraulic gradients are observed. Collecting additional groundwater data in the southern extent of the 25 to 70 ft BLS plume is warranted to confirm impacts greater than provisional GCTLs. Within the 76 to 171 ft BLS interval, monitoring well data have not confirmed previous DPT groundwater results that were greater than provisional GCTLs and, based on the current monitoring well data, this depth interval is not impacted by PFOA+PFOS concentrations greater than the provisional GCTL. Monitoring well data within the 76 to 171 ft BLS interval provides vertical delineation for the groundwater plume at the Site. Continued monitoring of the groundwater plume is warranted to assess plume stability.

6. RECOMMENDATIONS

Additional groundwater assessment activities are warranted to delineate the horizontal extent of PFOA+PFOS in Site groundwater within the 5 to 25 ft BLS interval and confirm groundwater impacts at the southern extent of the 25 to 70 ft BLS interval. Collecting additional samples in Site media near surface water sampling location SW-21 may be warranted to assess potential PFAS sources in this area. Continued monitoring of Site groundwater is recommended to assess plume stability.

Geosyntec recommends conducting a teleconference with FDEP to discuss the results of this assessment and a proposed path forward. Following discussions with the FDEP, a Work Plan summarizing the proposed sampling activities will be submitted under a separate cover.

7. REFERENCES

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TABLES

TABLE 1: SAMPLING LOCATIONS, MATRICES, ANALYTES, RATIONALE, AND CRITERIA
Indian River State College (ERIC_7410)

Location ID	Sample ID	Matrix	Depth (ft BLS)	Drilling Method	Analyses	Rationale	Criteria
Soil Borings							
SB-79	SB-79 (0-0.5)	Soil	0-0.5	HA/DPT	PFAS	Delineation Sampling	Provisional Soil Cleanup Target Levels
	SB-79 (0.5-2)		0.5-2				
	SB-79 (2-4)		2-4				
	SB-79 (5-7)		5-7				
	SB-79 (8-10)		8-10				
SB-80	SB-80 (0-0.5)		0-0.5				
	SB-80 (0.5-2)		0.5-2				
	SB-80 (2-4)		2-4				
	SB-80 (5-7)		5-7				
	SB-80 (8-10)		8-10				
SB-81	SB-81 (0-0.5)		0-0.5				
	SB-81 (0.5-2)		0.5-2				
	SB-81 (2-4)		2-4				
	SB-81 (5-7)		5-7				
	SB-81 (8-10)		8-10				
SB-82	SB-82 (0-0.5)		0-0.5				
	SB-82 (0.5-2)		0.5-2				
	SB-82 (2-4)		2-4				
	SB-82 (5-7)		5-7				
	SB-82 (8-10)		8-10				
SB-83	SB-83 (0-0.5)		0-0.5				
	SB-83 (0.5-2)		0.5-2				
	SB-83 (2-4)		2-4				
	SB-83 (5-7)		5-7				
	SB-83 (8-10)		8-10				
SB-84	SB-84 (0-0.5)		0-0.5	HA			
	SB-84 (0.5-2)		0.5-2				
SB-85	SB-85 (0-0.5)		0-0.5				
	SB-85 (0.5-2)	0.5-2					
SB-86	SB-86 (0-0.5)	0-0.5					
	SB-86 (0.5-2)	0.5-2					
SB-87	SB-87 (0-0.5)	0-0.5					
	SB-87 (0.5-2)	0.5-2					
Surface Water Sampling							
SW-21	SW-21	Surface Water	N/A	Grab	PFAS	Assess Potential PFAS Impacts	N/A
	SW-21 (DUP)						
SW-22	SW-22						
SW-23	SW-23						
Monitoring Wells							
DEPMW-1 (5-15)	DEPMW-1 (5-15)	Groundwater	5-15	DPT/Auger, Peristaltic Pump	PFAS	Delineation Sampling	Provisional Groundwater Cleanup Target Levels
DEPMW-2 (7-17)	DEPMW-2 (7-17)		7-17				
	DEPMW-2 (7-17) (DUP)						
DEPMW-3 (7-17)	DEPMW-3 (7-17)						
DEPMW-4 (7-17)	DEPMW-4 (7-17)		7-17				
DEPMW-5 (5-15)	DEPMW-5 (5-15)		5-15				
DEPMW-6 (7-17)	DEPMW-6 (7-17)		7-17				
DEPMW-7 (5-15)	DEPMW-7 (5-15)		5-15				
DEPMW-8 (7-17)	DEPMW-8 (7-17)		7-17				
	DEPMW-8 (7-17) (DUP)						
DEPMW-9 (7-17)	DEPMW-9 (7-17)		5-15				
DEPMW-10 (5-15)	DEPMW-10 (5-15)						
DEPMW-11 (5-15)	DEPMW-11 (5-15)						
DEPMW-12 (5-15)	DEPMW-12 (5-15)						
DEPMW-13 (40-50)	DEPMW-13 (40-50)		40-50				
DEPMW-14 (40-50)	DEPMW-14 (40-50)						
DEPMW-15 (40-50)	DEPMW-15 (40-50)						
DEPMW-16 (40-50)	DEPMW-16 (40-50)						
DEPMW-17 (40-50)	DEPMW-17 (40-50)		7-17				
	DEPMW-17 (40-50) (DUP)						
DEPMW-18 (38-48)	DEPMW-18 (38-48)			38-48			
DEPMW-19 (40-50)	DEPMW-19 (40-50)			40-50			
DEPMW-20 (7-17)	DEPMW-20 (7-17)		7-17				
DEPMW-21 (7-17)	DEPMW-21 (7-17)						
DEPMW-22 (7-17)	DEPMW-22 (7-17)						
DEPMW-23 (7-17)	DEPMW-23 (7-17)						
DEPMW-24 (7-17)	DEPMW-24 (7-17)						

TABLE 1: SAMPLING LOCATIONS, MATRICES, ANALYTES, RATIONALE, AND CRITERIA
Indian River State College (ERIC_7410)

Location ID	Sample ID	Matrix	Depth (ft BLS)	Drilling Method	Analyses	Rationale	Criteria
Monitoring Wells							
DEPMW-25 (7-17)	DEPMW-25 (7-17)	Groundwater	7-17	Sonic, Peristaltic Pump	PFAS	Delineation Sampling	Provisional Groundwater Cleanup Target Levels
DEPMW-26 (7-17)	DEPMW-26 (7-17)						
DEPMW-27 (7-17)	DEPMW-27 (7-17)						
DEPMW-28 (7-17)	DEPMW-28 (7-17)						
DEPMW-29 (9-19)	DEPMW-29 (9-19)		9-19				
DEPMW-30 (7-17)	DEPMW-30 (7-17)		7-17				
DEPMW-31 (40-50)	DEPMW-31 (40-50)		40-50				
DEPMW-32 (40-50)	DEPMW-32 (40-50)						
DEPMW-33 (40-50)	DEPMW-33 (40-50)						
DEPMW-34 (40-50)	DEPMW-34 (40-50)						
DEPMW-35 (40-50)	DEPMW-35 (40-50)						
DEPMW-36 (40-50)	DEPMW-36 (40-50)						
	DEPMW-36 (40-50) (DUP)						
DEPMW-37 (40-50)	DEPMW-37 (40-50)						
DEPMW-38 (90-110)	DEPMW-38 (90-110)		90-110	Sonic, Electric Submersible			
DEPMW-39 (7-17)	DEPMW-39 (7-17)		7-17	Sonic, Peristaltic Pump			
DEPMW-40 (7-17)	DEPMW-40 (7-17)						
DEPMW-41 (7-17)	DEPMW-41 (7-17)						
DEPMW-42 (25-35)	DEPMW-42 (25-35)		25-35				
DEPMW-43 (40-50)	DEPMW-43 (40-50)		40-50				
DEPMW-44 (40-50)	DEPMW-44 (40-50)						
DEPMW-45 (120-140)	DEPMW-45 (120-140)		120-140	Sonic, Electric Submersible			
DEPMW-46 (120-140)	DEPMW-46 (120-140)		110-130				
DEPMW-47 (110-130)	DEPMW-47 (110-130)		151-171				
DEPMW-48 (151-171)	DEPMW-48 (151-171)		7-17	DPT, Peristaltic Pump			
DEPMW-49 (7-17)	DEPMW-49 (7-17)						
DEPMW-50 (7-17)	DEPMW-50 (7-17)						
DEPMW-51 (7-17)	DEPMW-51 (7-17)						
	DEPMW-51 (7-17) (DUP)						
DEPMW-52 (7-17)	DEPMW-52 (7-17)						
DEPMW-53 (7-17)	DEPMW-53 (7-17)						
DEPMW-54 (7-17)	DEPMW-54 (7-17)						
DEPMW-55 (7-17)	DEPMW-55 (7-17)						
DEPMW-56 (7-17)	DEPMW-56 (7-17)						
DEPMW-57 (7-17)	DEPMW-57 (7-17)						
DEPMW-58 (25-35)	DEPMW-58 (25-35)	25-35					
DEPMW-59 (40-50)	DEPMW-59 (40-50)	40-50					
DEPMW-60 (40-50)	DEPMW-60 (40-50)						
	DEPMW-60 (40-50) (DUP)						
DEPMW-61 (40-50)	DEPMW-61 (40-50)						
DEPMW-62 (110-130)	DEPMW-62 (110-130)	110-130	Sonic, Electric Submersible				
Location ID	Sample ID	Matrix	Equipment Sampled		Analyses	Rationale	Criteria
Laboratory Quality Assurance/Quality Control Samples							
Equipment Blanks (ratio of 1:20)	EQB-64	Water	Soil Sampling Equipment		PFAS	Assess Potential Sources of Contamination From Sampling Equipment	N/A
	EQB-65		Monitoring Well Installation				
	EQB-66						
	EQB-67						
	EQB-68		Groundwater Sampling Equipment				
	EQB-69						
	EQB-70						
	EQB-71						
	EQB-72						
Field Reagent Blanks (1 per cooler)	FRB-21	Water	Surface Water Sampling		PFAS	Assess Potential Impact of Cross-Contamination	N/A
	FRB-22		Decontamination				
	FRB-23		Groundwater Sampling				

Notes:

1. ft BLS indicates feet below land surface.

2. SB indicates soil boring.

3. HA indicates hand auger.

4. DPT indicates direct push technology.

5. SW indicates surface water.

6. DUP indicates duplicate.
7. MW indicates monitoring well.

8. PFAS indicates per- and polyfluoroalkyl substances.

9. N/A indicates not applicable.

10. EQB indicates equipment blank.

11. FRB indicates field reagent blank.

TABLE 2: FDOH WATER WELLS WITHIN A 1-MILE RADIUS**Indian River State College (ERIC_7410)**

Map ID	Florida Unique Well Identification	Range from Site (miles)	Total Depth (ft BLS)	Casing Length (feet)	Well Diameter (inches)	Status	Address
1	AAF4904	0.5 to 1	--	--	2	ACTIVE	1702 Totten Rd
2	AAF4903		--	--	2		1703 Totten Rd
3	AAF4906		--	--	2		1803 S 37th St
4	AAF4902		--	--	2		1819 Totten Rd
5	AAF1212		--	--	2		2006 Hartman Rd
6	AAF4905		--	--	2		3700 Okeechobee Rd
7	AAF4909		--	--	2		3701 Okeechobee Rd
8	AAF4910		--	--	2		2103 S 37th St
9	AAF4911		--	--	2		2105 S 37th St
10	AAF4994		--	--	2		2214 S 39th St
11	AAF1211		--	--	2		4101 Okeechobee Rd
12	AAF4995	0 to 0.5	--	--	2	INACTIVE	2302 S 39th St
13	AAE6141		--	--	2	ACTIVE	4075 Virginia Ave
14	AAF1214		--	--	2	INACTIVE	2303 S 40th St
15	AAE6140		--	--	2	ACTIVE	2304 S 41St St
16	AAF1213	0.5 to 1	--	--	2	INACTIVE	2303 S 40th St
17	AAK8157		--	--	4	ACTIVE	2310 S 36th St
18	AAF4993		--	--	2		2307 S 36th St
19	AAF4992	0 to 0.5	--	--	2		3209 S 36th St
20	AAF1215		--	--	2		2312 S 41St St
21	AAF4997	0.5 to 1	--	--	2		3608 Arnold Rd
22	AAF5000		--	--	2		3503 Arnold Rd
23	AAF4999		--	--	2		3607 Arnold Rd
24	AAG3481		--	--	2		3505 Arnold Rd
25	AAK8154	0 to 0.5	--	--	--		3805 Arnold Rd
26	AAE2649	0.5 to 1	--	--	2		2401 S 35th St
27	AAF4996	0 to 0.5	--	--	2		3803 Arnold Rd
28	AAF4998	0.5 to 1	--	--	2		3609 Arnold Rd
29	AAF1216	0 to 0.5	--	--	2		2316 S 41St St
30	AAK8155	0.5 to 1	--	--	4		2408 S 37th St
31	AAE6142	0 to 0.5	--	--	2		2412 S 41St St
32	AAE6143		--	--	2		2418 S 41St St
33	AAF5055	0.5 to 1	--	--	2		2501 Rolyat St
34	AAK8168	0 to 0.5	--	--	2		2504 Kerr St
35	AAF5060		--	--	2		2507 Kerr St
36	AAK8173		--	--	--		2505 Lazy Hammock Ln
37	AAF5059		--	--	2		2509 Kerr St
38	AAK8169		--	--	2		2511 Kerr St
39	AAF5058		--	--	2		2515 Kerr St
40	AAF5053		--	--	2		2601 Rolyat St
41	AAK8171		--	--	--		2603 Lazy Hammock Ln
42	AAK8170		--	--	2		2602 Kerr St

TABLE 2: FDOH WATER WELLS WITHIN A 1-MILE RADIUS**Indian River State College (ERIC_7410)**

Map ID	Florida Unique Well Identification	Range from Site (miles)	Total Depth (ft BLS)	Casing Length (feet)	Well Diameter (inches)	Status	Address
43	AAF5052	0 to 0.5	--	--	2	ACTIVE	2603 Rolyat St
44	AAF5057		--	--	2		2603 Kerr St
45	AAG3486		--	--	2		2605 Kerr St
46	AAG3485		--	--	2	INACTIVE	2605 Rolyat St
47	AAF5051		--	--	2		2607 Rolyat St
48	AAF5056		--	--	2		2607 Kerr St
49	AAF5054		--	--	2	ACTIVE	2608 Rolyat St
50	AAK8172		--	--	--		2607 Lazy Hammock Ln
51	AAK8183		--	--	--		3303 Cortez Blvd
52	AAK8182		--	--	--		3305 Cortez Blvd
53	AAR2374	0.5 to 1	--	--	--		3209 Cortez Blvd
54	AAK8185		--	--	--		2805 Cortez Blvd
55	AAR2372	0 to 0.5	--	--	--		3415 Cortez Blvd
56	AAR2339	0.5 to 1	--	--	--		2701 Cortez Blvd
57	AAK8184		--	--	--		3007 Cortez Blvd
58	AAR2373	0 to 0.5	--	--	--		3401 Cortez Blvd
59	AAR2377	0.5 to 1	--	--	--		3107 Cortez Blvd
60	AAK8150		--	--	--		3201 Cortez Blvd
61	AAR2378		--	--	--	INACTIVE	3005 Cortez Blvd
62	AAK8159		--	--	--	ACTIVE	2704 Pineview Dr
63	AAR2338		--	--	--		2700 S 26th St
64	AAR2353		--	--	2		2702 S 28th St
65	AAR2316		--	--	--		2703 Pineview Dr
66	AAR2368		--	--	--		2704 S 28th St
67	AAK8138		--	--	--		2708 S 29 St
68	AAR2376		--	--	--		2706 Pineview Dr
69	AAR2320		--	--	--		2705 S 28th St
70	AAR2326		--	--	--		2706 Dean Dr
71	AAR2375		--	--	--		2707 Pineview Dr
72	AAR2363		--	--	--		2709 S 29th St
73	AAR2362		105	85	2		2710 S 29th St
74	AAR2354		--	--	--		2707 S 28th St
75	AAR2359		--	--	2		2706 S 28th St
76	AAK8140		--	--	--		2714 S 26th St
77	AAR2331		--	--	--		2707 S 27th St
78	AAK8151		--	--	2		2709 S 27th St
79	AAR2361		117	97	2		2714 S 29th St
80	AAR2330	0.5 to 1	--	--	--		2708 S 28th St
81	AAR2355		--	--	--		2715 S 29th St
82	AAR2340		--	--	--	INACTIVE	2714 S 27th St
83	AAK8148		90	70	2	ACTIVE	2714 S 27th St
84	AAR2360		--	--	2		2716 S 29th St

TABLE 2: FDOH WATER WELLS WITHIN A 1-MILE RADIUS**Indian River State College (ERIC_7410)**

Map ID	Florida Unique Well Identification	Range from Site (miles)	Total Depth (ft BLS)	Casing Length (feet)	Well Diameter (inches)	Status	Address
85	AAR2328	0.5 to 1	--	--	--	ACTIVE	2704 Brantley Rd
86	AAR2364		--	--	--		2719 S 29th St
87	AAR2345		--	--	--		2710 S 28th St
88	AAR2318		--	--	--		2709 Brantley Rd
89	AAR2329		--	--	--		2809 Brantley Rd
90	AAR2317		--	--	--		2805 Brantley Rd
91	AAR2352		--	--	--		2707 Grove Dr
92	AAR2319		--	--	--		2705 Brantley Rd
93	560004401		--	--	0		S Jenkins/Okeechobee Rd
94	AAR2322		--	--	--		2804 S 29th St
95	AAR2321		--	--	--		2805 S 28th St
96	AAR2325		--	--	--		2900 Grove Dr
97	AAR2350		--	--	2		2902 Grove Dr
99	AAR2337		--	--	--		2808 S 28th St
98	AAR2336		--	--	--		2809 S 28th St
100	AAR2356		--	--	--		2808 S 29th St
101	AAR2346		--	--	--		2812 S 29th St
102	AAR2335		--	--	--		2813 S 28th St
103	AAR2334		--	--	2		2812 S 28th St
104	AAR2351		--	--	2		2801 Grove Dr
105	AAR2333		--	--	--		2816 S 28th St
106	AAR2332		--	--	2	INACTIVE	2730 Wildwood Ln
107	AAK8149	0 to 0.5	65	55	2	ACTIVE	2730 Wildwood Ln
108	AAR2324		--	--	--		2804 Grove Dr
109	AAR2365		--	--	2		2803 Grove Dr
110	AAR2327		--	--	--		2904 Grove Dr
111	AAR2347		--	--	2		2805 Grove Dr
112	AAK8178		--	--	--		3927 Kirby Loop Rd
113	AAK8180		--	--	--		4055 Kirby Loop Rd
114	AAR2349	0.5 to 1	--	--	2		2905 Grove Dr
115	AAK8158	0 to 0.5	--	--	--		4681 Kirby Loop Rd
116	AAR2323	0.5 to 1	--	--	--		2906 Grove Dr
117	AAR2348		--	--	2		2909 Grove Dr
118	AAK8176	0 to 0.5	--	--	--		2853 Yates Rd
119	AAK8181		--	--	--		4061 Kirby Loop Rd
120	AAR2367	0.5 to 1	85	75	2		2908 Grove Dr
121	AAK8179	0 to 0.5	--	--	--		3933 Kirby Loop Rd
122	AAR2366	0.5 to 1	115	105	2		2910 Grove Dr
123	AAR2357	0 to 0.5	--	--	--		4960 Sears St
124	AAK8153		--	--	--		2872 Yates Rd
125	AAK8147		120	100	2		5048 Sears St
126	AAK8146		--	--	--		4837 Sears St

TABLE 2: FDOH WATER WELLS WITHIN A 1-MILE RADIUS**Indian River State College (ERIC_7410)**

Map ID	Florida Unique Well Identification	Range from Site (miles)	Total Depth (ft BLS)	Casing Length (feet)	Well Diameter (inches)	Status	Address
127	AAK8143	0 to 0.5	--	--	--	ACTIVE	4837 Sears St
128	AAR2358		--	--	2		5061 Sears St
129	AAK8139		--	--	--		2930 Yates Rd
130	AAK8144		--	--	--		4855 Sears St
131	AAR2341		--	--	--		2920 Middle Rd
132	AAR2342		--	--	2		2913 Middle Rd
133	AAK8145		--	--	--		4837 Sears St
134	AAK8142		84	74	2		2955 Middle Rd
135	AAG3499		57	--	2		4990 Happiness St
136	AAK8141		85	75	2		4981 Happiness St
137	AAK8177		--	--	--		2990 Dame Rd
138	AAF1293	0.5 to 1	--	1200	6	INACTIVE	3100 Old Edwards Rd
139	AAG3494		--	1200	6		3100 Old Edwards Rd
140	AAR2343	0 to 0.5	--	--	--	ACTIVE	5151 Happiness St
141	AAF1296	0.5 to 1	--	--	2		3049 Old Edwards Rd
142	AAG3477		--	--	2		3017 Old Edwards Rd
143	AAF1294		--	--	2		3091 Old Edwards Rd
144	AAF1295		--	--	2		3065 Old Edwards Rd
145	AAK4494		--	--	2		2950 Edwards Rd
146	AAK8174	0 to 0.5	--	--	2		4320 Thousand Pines Dr
147	AAF1288	0.5 to 1	--	--	2		2981 Edwards Rd
148	AAF1289		--	--	2		3025 Edwards Rd
149	AAK8175	0 to 0.5	--	--	2		4315 Thousand Pines Dr
150	AAF1287	0.5 to 1	--	--	2		2949 Edwards Rd
151	AAF1292		--	--	2		3110 Old Edwards Rd
152	AAG3497		--	--	2		3114 Old Edwards Rd
153	AAF1291		--	95	2		3111 Old Edwards Rd
154	AAG3495		--	--	2		3118 Old Edwards Rd
155	AAF1290		--	--	2		3121 Old Edwards Rd
156	AAR2344		--	--	--		3221 Live Oak Ln

Notes:

1. FDOH indicates Florida Department of Health.
2. ft BLS indicates feet below land surface.
3. -- indicates information not specified through FDOH Well Surveillance Program website.
4. Active indicates the well is used on a regular basis or will be used within a reasonable period of time (2 to 3 months).
5. Inactive indicates the well has not been regularly used within the past 6 to 12 months but is maintained in such a state that it could be used.

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFOA	PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS	
Class				PFCA	PFSA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5	
Provisional Residential SCTL (µg/kg)				1,300	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Provisional Industrial SCTL (µg/kg)				25,000	25,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Provisional Leachability SCTL (µg/kg)				2	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SS-1	SS-1 (0-1)	6/5/2019	0 to 1	1.8	110	0.88	2.3	2.1	0.98	7.6	14	2.7	1.6	0.28	0.26	NA	NA	NA	NA	0.075 I	NA	
	SS-1 (1-2)		1 to 2	8.1	5.4	1.3	8.3	9.8	2.8	0.81	0.32	0.11 I	0.077 U	0.058 U	0.062 U	NA	NA	NA	NA	0.37	NA	
SS-2	SS-2 (0-1)	6/5/2019	0 to 1	1.8	36	0.79	1.7	1.8	1.5	4.2	6.4	2.8	1.2	0.19 I	0.22 I	NA	NA	NA	NA	0.43	NA	
	SS-2 (1-2)		1 to 2	1.1	51	0.31 V	0.78	0.73	0.72	3.4	2.4	0.37	0.10 I	0.055 U	0.058 U	NA	NA	NA	NA	0.18 I	NA	
SS-3	SS-3 (0-1)	6/5/2019	0 to 1	1.0	6.1	0.63	1.2	0.60	0.85	0.94	0.48	0.39	0.12 I	0.056 U	0.06 U	NA	NA	NA	NA	0.055 I	NA	
	SS-3 (1-2)		1 to 2	0.38	5.0	0.25 V	0.76	0.53	0.49	0.062 I	0.024 U	0.039 U	0.073 U	0.056 U	0.059 U	NA	NA	NA	NA	0.027 U	NA	
SS-4	SS-4 (0-1)	6/5/2019	0 to 1	0.56	1.9	0.49	0.89	0.55	0.59	0.62	0.19 I	0.12 I	0.071 U	0.054 U	0.057 U	NA	NA	NA	NA	0.027 U	NA	
	SS-4 (1-2)		1 to 2	0.27	3.3	0.21 V	0.40	0.26	0.24	0.23	0.023 U	0.038 U	0.071 U	0.054 U	0.057 U	NA	NA	NA	NA	0.026 U	NA	
SS-5	SS-5 (0-1)	6/5/2019	0 to 1	0.34	2.0	0.17 IV	0.42	0.30	0.39	0.65	2.1	0.63	0.52	0.14 I	0.23	NA	NA	NA	NA	0.029 U	NA	
	SS-5 (1-2)		1 to 2	0.19 I	4.4	0.12 IV	0.29	0.21 I	0.29	0.56	0.22	0.04 U	0.075 U	0.057 U	0.06 U	NA	NA	NA	NA	0.028 U	NA	
SS-6	SS-6 (0-1)	6/5/2019	0 to 1	0.82	2.3	0.89	2.2	1.5	1.4	1.1	0.54	0.22	0.12 I	0.056 U	0.059 U	NA	NA	NA	NA	0.028 U	NA	
	SS-6 (1-2)		1 to 2	1.2	2.8	1.3	4.0	2.9	2.0	1.2	2.2	0.72	0.46	0.11 I	0.11 I	NA	NA	NA	NA	0.028 U	NA	
SS-7	SS-7 (0-1)	6/5/2019	0 to 1	0.56	3.2	0.16 IV	0.36	0.29	0.30	0.63	0.28	0.16 I	0.099 I	0.056 U	0.06 U	NA	NA	NA	NA	0.052 I	NA	
	SS-7 (1-2)		1 to 2	0.55	1.7	0.12 IV	0.27	0.31	0.57	0.07 I	0.025 U	0.042 U	0.077 U	0.059 U	0.062 U	NA	NA	NA	NA	0.029 U	NA	
SS-8	SS-8 (0-1)	6/5/2019	0 to 1	1.4	1.8	0.66	1.3	1.0	1.7	2.5	3.8	2.0	1.0	0.22	0.30	NA	NA	NA	NA	0.026 U	NA	
	SS-8 (1-2)		1 to 2	1.3	4.2	0.49	1.2	1.3	1.8	2.8	3.8	0.29	0.12 I	0.055 U	0.058 U	NA	NA	NA	NA	0.027 U	NA	
SS-9	SS-9 (0-1)	6/5/2019	0 to 1	0.61	2.5	0.32 V	1.0	0.55	0.84	0.77	2.0	0.84	0.55	0.13 I	0.21 I	NA	NA	NA	NA	0.03 U	NA	
	SS-9 (1-2)		1 to 2	0.38	4.1	0.28 V	0.99	0.68	0.86	0.59	0.29	0.06 I	0.08 U	0.061 U	0.064 U	NA	NA	NA	NA	0.03 U	NA	
SS-10	SS-10 (0-1)	6/5/2019	0 to 1	0.18 I	1.7	0.15 IV	0.28	0.22 I	0.20 I	0.082 I	0.10 I	0.043 I	0.076 U	0.058 U	0.061 U	NA	NA	NA	NA	0.028 U	NA	
	SS-10 (1-2)		1 to 2	0.47	3.3	0.085 IV	0.15 I	0.17 I	0.14 I	0.058 I	0.024 U	0.039 U	0.073 U	0.055 U	0.059 U	NA	NA	NA	NA	0.027 U	NA	
SS-11	SS-11 (0-1)	6/5/2019	0 to 1	0.19 I	1.2	0.087 IV	0.088 U	0.075 I	0.079 I	0.049 I	0.076 I	0.051 I	0.076 U	0.058 U	0.061 U	NA	NA	NA	NA	0.028 U	NA	
	SS-11 (1-2)		1 to 2	0.092 U	1.9	0.074 IV	0.083 U	0.045 U	0.031 U	0.039 U	0.024 U	0.039 U	0.072 U	0.055 U	0.058 U	NA	NA	NA	NA	0.027 U	NA	
SS-12	SS-12 (0-1)	6/5/2019	0 to 1	0.29	1.8	0.67	2.6	2.1	0.67	0.11 I	0.11 I	0.061 I	0.075 U	0.057 U	0.06 U	NA	NA	NA	NA	0.18 I	NA	
	SS-12 (1-2)		1 to 2	0.24 I	1.9	0.18 IV	0.61	0.54	0.35	0.046 U	0.028 U	0.046 U	0.086 U	0.065 U	0.069 U	NA	NA	NA	NA	0.044 I	NA	
SS-13	SS-13 (0-1)	6/5/2019	0 to 1	0.22	1.2	0.10 IV	0.10 I	0.096 I	0.078 I	0.18 I	0.13 I	0.057 I	0.073 U	0.056 U	0.059 U	NA	NA	NA	NA	0.027 U	NA	
	SS-13 (1-2)		1 to 2	0.21 I	2.0	0.09 IV	0.097 U	0.082 I	0.14 I	0.046 U	0.044 I	0.046 U	0.085 U	0.065 U	0.068 U	NA	NA	NA	NA	0.032 U	NA	
SS-14	SS-14 (0-1)	6/5/2019	0 to 1	1.2	3.7	0.35 V	1.8	1.1	1.2	0.53	0.85	0.22 I	0.29	0.072 I	0.16 I	NA	NA	NA	NA	0.28	NA	
	SS-14 (1-2)		1 to 2	0.48	1.3	0.22 IV	1.0	0.66	0.69	0.099 I	0.22 I	0.14 I	0.22 I	0.066 I	0.095 I	NA	NA	NA	NA	0.13 I	NA	
SB-1	SB-1 (2-4)	2/10/2020	2 to 4	19	4.3	NA	11	12	12	0.89	0.13 I	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	12	0.24 U	NA	0.57	1.7	
	SB-1 (5-7)	2/11/2020	5 to 7	4.2	130	NA	16	18	6.2	13	2.7	1.5	0.72	0.12 I	0.42 I	0.22 U	18	0.87 I	NA	0.52	2.1	
	SB-1 (8-10)		8 to 10	0.64	6.7	NA	9.4	4.6	1.6	0.65	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	5.9	0.26 U	NA	0.32 I	0.34 I	
SB-2	SB-2 (2-4)	2/10/2020	2 to 4	1.6	89	NA	0.73 I	0.41 I	0.59 I	4.1	0.14 I	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	2.5	0.23 U	NA	0.11 U	0.17 I	
	SB-2 (5-7)	2/11/2020	5 to 7	0.44 I	53	NA	0.78 I	0.64 I	0.99	1.3	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	1.4 I	0.23 U	NA	0.21 I	0.29 I	
	SB-2 (8-10)		8 to 10	0.26 I	1.6	NA	1.2 I	0.60 I	0.69 I	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	1.6 I	0.26 U	NA	0.15 I	0.21 I	
SB-3	SB-3 (0-0.5)	2/10/2020	0 to 0.5	0.27 I	3.9	NA	0.89 I	0.39 I	0.25 U	0.36 I	0.69	0.37 I	0.21 I	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U	
	SB-3 (0.5-2)		0.5 to 2	0.12 U	4.3	NA	0.52 I	0.24 U	0.24 U	0.24 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U	
	SB-3 (2-4)		2 to 4	0.12 U	2.4	NA	0.54 I	0.24 U	0.24 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.49 U	0.24 U	NA	0.12 U	0.12 U	
	SB-3 (5-7)	2/12/2020	5 to 7	0.56 U	1.2 I	NA	2.2 U	1.1 U	1.1 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	1.1 U	2.2 U	1.1 U	NA	0.56 U	0.56 U		
	SB-3 (8-10)		8 to 10	0.12 U	0.70 I	NA	0.50 U	0.25 U	0.25 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.50 U	0.25 U	NA	0.12 U	0.12 U		
SB-4	SB-4 (0-0.5)	2/10/2020	0 to 0.5	1.7	11	NA	2.4	2.1	1.3	2.0	2.6	2.5	1.2	0.55	0.39 I	0.25 U	0.50 U	0.25 U	NA	0.12 U	0.12 U	
	SB-4 (0.5-2)		0.5 to 2	0.42 I	13	NA	0.94 I	0.66 I	0.42 I	0.87	0.84	0.80	0.88	0.15 I	0.21 I	0.25 U	0.50 U	0.25 U	NA	0.12 U	0.12 U	
	SB-4 (2-4)		2 to 4	0.44 I	13	NA	0.49 U	0.24 U	0.27 I	1.4	0.62	0.16 I	0.12 U	0.12 U	0.12 U	0.24 U	0.49 U	0.2				

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replcement	Replacement	Replacement	Replacement	Misc	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional Residential SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SS-1	SS-1 (0-1)	6/5/2019	0 to 1	1.8	0.29	NA	0.20 I	NA	NA	0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-1 (1-2)		1 to 2	17	1.2	NA	0.045 U	NA	NA	0.094 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-2	SS-2 (0-1)	6/5/2019	0 to 1	4.9	0.26	NA	0.30	NA	NA	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-2 (1-2)		1 to 2	2.2	0.16 I	NA	0.042 U	NA	NA	0.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-3	SS-3 (0-1)	6/5/2019	0 to 1	0.55	0.056 I	NA	0.10 I	NA	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-3 (1-2)		1 to 2	0.16 I	0.038 U	NA	0.042 U	NA	NA	0.089 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-4	SS-4 (0-1)	6/5/2019	0 to 1	0.095 I	0.037 U	NA	0.041 U	NA	NA	0.087 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-4 (1-2)		1 to 2	0.051 I	0.037 U	NA	0.041 U	NA	NA	0.087 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-5	SS-5 (0-1)	6/5/2019	0 to 1	0.13 I	0.041 U	NA	0.045 U	NA	NA	0.095 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-5 (1-2)		1 to 2	0.07 I	0.039 U	NA	0.043 U	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-6	SS-6 (0-1)	6/5/2019	0 to 1	0.076 I	0.039 U	NA	0.043 I	NA	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-6 (1-2)		1 to 2	0.12 I	0.039 U	NA	0.043 U	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-7	SS-7 (0-1)	6/5/2019	0 to 1	0.28	0.042 I	NA	0.12 I	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-7 (1-2)		1 to 2	0.21 I	0.04 U	NA	0.045 U	NA	NA	0.095 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-8	SS-8 (0-1)	6/5/2019	0 to 1	0.19 I	0.036 U	NA	0.04 U	NA	NA	0.085 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-8 (1-2)		1 to 2	0.20 I	0.038 U	NA	0.042 U	NA	NA	0.088 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-9	SS-9 (0-1)	6/5/2019	0 to 1	0.14 I	0.042 U	NA	0.047 U	NA	NA	0.098 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-9 (1-2)		1 to 2	0.068 I	0.042 U	NA	0.046 U	NA	NA	0.098 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-10	SS-10 (0-1)	6/5/2019	0 to 1	0.078 I	0.04 U	NA	0.064 I	NA	NA	0.093 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-10 (1-2)		1 to 2	0.041 I	0.038 U	NA	0.042 U	NA	NA	0.089 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-11	SS-11 (0-1)	6/5/2019	0 to 1	0.059 I	0.04 U	NA	0.044 U	NA	NA	0.093 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-11 (1-2)		1 to 2	0.042 I	0.038 U	NA	0.042 U	NA	NA	0.088 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-12	SS-12 (0-1)	6/5/2019	0 to 1	0.18 I	0.039 U	NA	0.062 I	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-12 (1-2)		1 to 2	0.054 I	0.045 U	NA	0.05 U	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-13	SS-13 (0-1)	6/5/2019	0 to 1	0.034 U	0.038 U	NA	0.043 U	NA	NA	0.09 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-13 (1-2)		1 to 2	0.06 I	0.044 U	NA	0.049 U	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-14	SS-14 (0-1)	6/5/2019	0 to 1	1.6	0.05 I	NA	0.05 I	NA	NA	0.097 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SS-14 (1-2)		1 to 2	0.27	0.041 U	NA	0.045 U	NA	NA	0.096 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-1	SB-1 (2-4)	2/10/2020	2 to 4	43	1.8	0.21 I	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-1 (5-7)	2/11/2020	5 to 7	13	2.3	0.33 I	0.17 I	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-1 (8-10)		8 to 10	2.1	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-2	SB-2 (2-4)	2/10/2020	2 to 4	3.0	0.20 I	0.20 I	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-2 (5-7)	2/11/2020	5 to 7	3.3	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-2 (8-10)		8 to 10	0.99	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-3	SB-3 (0-0.5)	2/10/2020	0 to 0.5	0.28 I	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-3 (0.5-2)		0.5 to 2	0.18 I	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-3 (2-4)		2 to 4	0.18 I	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-3 (5-7)	2/12/2020	5 to 7	0.56 U	0.56 U	0.56 U	0.56 U	NA	NA	NA	0.56 U	0.56 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-3 (8-10)		8 to 10	0.14 I	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-4	SB-4 (0-0.5)	2/10/2020	0 to 0.5	0.56	0.12 U	0.12 U	0.21 I	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-4 (0.5-2)		0.5 to 2	0.26 I	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-4 (2-4)		2 to 4	0.12 U	0.12 U	0.12 I	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-4 (5-7)	2/12/2020	5 to 7	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-4 (8-10)		8 to 10	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-5	SB-5 (0-0.5)	2/10/2020	0 to 0.5	7.0	0.50 I	0.36 I	0.94	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-5 (0.5-2)		0.5 to 2	7.4	1.2	0.12 U	0.12 U	NA	NA	NA	0.12 I	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-5 (2-4)		2 to 4	31	0.51	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-5 (5-7)	2/12/2020	5 to 7	35	2.5	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-5 (8-10)		8 to 10	3.4	0.35 I	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-6	SB-6 (0-0.5)	2/10/2020	0 to 0.5	3.1	0.30 I	0.41 I	0.40 I	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-6 (0.5-2)		0.5 to 2	0.61	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-6 (2-4)		2 to 4	1.1	0.14 I	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-6 (5-7)	2/12/2020	5 to 7	1.8	0.18 I	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-6 (8-10)		8 to 10	0.29 I	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFOA	PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS
Class				PFCA	PFSA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5
Provisional Residential SCTL (µg/kg)				1,300	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)				25,000	25,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)				2	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-7	SB-7 (0-0.5)	2/10/2020	0 to 0.5	0.51	0.57 I	NA	0.81 I	0.63 I	1.1	0.47	1.8	3.7	1.6	0.26 I	0.32 I	0.23 U	0.47 U	0.79 I	NA	0.12 U	0.12 U
	SB-7 (0.5-2)		0.5 to 2	0.27 I	1.2	NA	0.88 I	0.51 I	0.67 I	0.72	1.8	0.62	0.15 I	0.12 U	0.12 U	0.25 U	0.49 U	0.25 U	NA	0.12 U	0.12 U
	SB-7 (2-4)		2 to 4	0.16 I	2.5	NA	0.69 I	0.28 I	0.30 I	0.39 I	0.20 I	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.47 U	0.24 U	NA	0.12 U	0.12 U
	SB-7 (5-7)	2/12/2020	5 to 7	0.47	4.2	NA	0.45 U	0.23 U	0.29 I	0.49	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.45 U	0.23 U	NA	0.11 U	0.11 U
	SB-7 (8-10)		8 to 10	0.13 U	1.3	NA	0.51 U	0.34 I	0.25 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.25 U	0.51 U	0.25 U	NA	0.13 U	0.13 U
SB-8	SB-8 (0-0.5)	2/10/2020	0 to 0.5	0.83	0.51 I	NA	1.6 I	1.2	1.0	1.6	2.9	0.93	0.40 I	0.11 U	0.11 U	0.23 U	0.45 U	1.3	NA	0.11 U	0.11 U
	SB-8 (0.5-2)		0.5 to 2	2.0	1.2	NA	1.1 I	1.2	1.3	1.6	0.85	0.39 I	0.19 I	0.12 U	0.12 U	0.23 U	1.2 I	0.45 I	NA	0.12 U	0.12 U
	SB-8 (2-4)		2 to 4	0.67	2.0	NA	1.3 I	1.4	0.82 I	0.28 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U
	SB-8 (5-7)	2/11/2020	5 to 7	0.14 I	2.0	NA	1.3 I	0.96	1.3	0.12 U	0.12 I	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U
	SB-8 (8-10)		8 to 10	0.38 I	1.3	NA	0.83 IJ	0.77 IJ	0.74 IJ	0.12 UJ	0.12 U	0.12 U	0.12 UJ	0.12 U	0.12 U	0.23 U	0.47 U	0.23 U	NA	0.12 U	0.12 U
SB-9	SB-9 (0-0.5)	2/10/2020	0 to 0.5	1.5	27	NA	0.52 I	0.47 I	0.91 I	1.3	0.32 I	0.46 I	0.12 U	0.12 U	0.12 U	0.24 U	0.47 U	0.24 U	NA	0.18 I	0.17 I
	SB-9 (0.5-2)		0.5 to 2	0.55	12	NA	1.0 I	0.41 I	0.65 I	0.63	0.39 I	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.47 U	0.23 U	NA	0.12 U	0.12 U
	SB-9 (2-4)		2 to 4	0.13 I	8.9	NA	0.44 U	0.22 U	0.23 I	0.24 I	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.44 U	0.22 U	NA	0.11 U	0.11 U
	SB-9 (5-7)	2/11/2020	5 to 7	0.43 I	3.7	NA	0.51 U	0.36 I	0.25 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.25 U	0.51 U	0.25 U	NA	0.13 U	0.13 I
	SB-9 (8-10)		8 to 10	0.19 I	0.61 I	NA	0.43 U	0.25 I	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.43 U	0.22 U	NA	0.11 U	0.11 U
SB-10	SB-10 (0-0.5)	2/11/2020	0 to 0.5	0.59	16	NA	1.2 I	0.82 I	0.81 I	1.8	2.3	0.92	0.33 I	0.12 U	0.42 I	0.23 U	0.46 U	0.23 U	NA	0.12 U	0.12 U
	SB-10 (0.5-2)		0.5 to 2	3.2	54	NA	0.80 I	1.2	1.9	2.9	0.34 I	0.16 I	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.16 I
	SB-10 (2-4)		2 to 4	0.37 I	3.0	NA	0.86 I	1.8	4.6	0.17 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.52
	SB-10 (5-7)		5 to 7	0.42 I	0.99	NA	1.0 I	2.8	3.1	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	13	0.22 U	NA	0.17 I	1.6
	SB-10 (8-10)		8 to 10	0.33 I	0.35 I	NA	3.7	3.6	1.2	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	5.8	0.26 U	NA	0.30 I
SB-11	SB-11 (0-0.5)	2/10/2020	0 to 0.5	0.62	5.0	NA	1.6 I	0.68 I	0.85 I	1.8	2.4	2.3	0.75	0.14 I	0.15 I	0.24 U	0.48 U	0.40 I	NA	0.12 U	0.12 U
	SB-11 (0.5-2)		0.5 to 2	0.86	63	NA	1.2 I	0.84 I	0.92 I	2.5	0.81	0.13 I	0.12 U	0.12 U	0.12 U	0.23 U	0.85 I	0.23 U	NA	0.12 U	0.12 I
	SB-11 (2-4)		2 to 4	0.92 J	65	NA	1.4 I	1.4	1.5	1.8 J	0.12 UJ	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.46 U	0.23 UJ	NA	0.12 U	0.21 I
	SB-11 (5-7)	2/11/2020	5 to 7	0.31 I	2.5	NA	0.47 I	0.46 I	0.62 I	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.44 U	0.22 U	NA	0.11 U	0.13 I
	SB-11 (8-10)		8 to 10	0.20 I	0.27 I	NA	2.3	1.2	0.56 I	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.99 I	0.26 U	NA	0.13 U	0.13 I
SB-12	SB-12 (0-0.5)	2/10/2020	0 to 0.5	0.79	4.2	NA	1.1 I	0.40 I	0.77 I	0.88	0.91	0.63	0.14 I	0.13 U	0.13 U	0.25 U	0.50 U	0.25 U	NA	0.13 U	0.13 U
	SB-12 (0.5-2)		0.5 to 2	0.52	22	NA	0.46 U	0.23 U	0.41 I	0.95	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.46 U	0.23 U	NA	0.11 U	0.11 U
	SB-12 (2-4)		2 to 4	0.29 I	16	NA	0.55 I	0.23 U	0.27 I	0.26 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.47 U	0.23 U	NA	0.12 U	0.12 U
	SB-12 (5-7)	2/11/2020	5 to 7	0.36 I	4.2	NA	0.45 U	0.31 I	0.45 I	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.45 U	0.22 U	NA	0.11 U	0.11 U
	SB-12 (8-10)		8 to 10	0.58 U	1.2 U	NA	2.3 U	1.3 I	1.2 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	1.2 U	2.3 U	1.2 U	NA	0.58 U	0.58 U
SB-13	SB-13 (0-0.5)	2/10/2020	0 to 0.5	1.3	8.1	NA	3.7	1.2	2.4	4.1	3.9	2.6	0.61	0.18 I	0.12 U	0.25 U	0.92 I	0.70 I	NA	0.12 U	0.12 U
	SB-13 (0.5-2)		0.5 to 2	1.9	31	NA	1.6 I	0.88 I	2.0	4.7	0.29 I	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U
	SB-13 (2-4)		2 to 4	2.5	1.9	NA	1.9	1.1	2.8	0.16 I	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.44 U	0.22 U	NA	0.11 U	0.11 U
	SB-13 (5-7)	2/11/2020	5 to 7	1.6	0.82 I	NA	2.6	2.1	3.5	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.64 I	0.23 U	NA	0.12 U	0.12 U
	SB-13 (8-10)		8 to 10	0.60	0.63 I	NA	9.5	5.7	2.8	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	4.4	0.26 U	NA	0.28 I	0.23 I
SB-14	SB-14 (0-0.5)	2/10/2020	0 to 0.5	1.9	14	NA	5.5	1.3	2.1	4.0	7.6	10	3.1	0.70	0.62	0.25 U	1.0 I	1.4	NA	0.21 I	0.58
	SB-14 (0.5-2)		0.5 to 2	5.7	170	NA	7.2	4.6	2.6	13	5.6	0.71	0.28 I	0.12 U	0.12 U	0.24 U	6.6	0.66 I	NA	0.36 I	0.88
	SB-14 (2-4)	3/3/2020	2 to 4	10	270	NA	3.9	3.4	2.6	9.7	0.16 I	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	29	0.23 U	NA	0.52	0.99
	SB-14 (5-7)	2/11/2020	5 to 7	5.6	220	NA	4.9	6.7	2.7	13	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	14	0.22 U	NA	0.43 I	1.2
	SB-14 (8-10)		8 to 10	0.97	7.8	NA	5.8	3.7	1.4	0.51 I	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	6.3	0.26 U	NA	1.3	1.0
SB-15	SB-15 (0-0.5)	2/10/2020	0 to 0.5	2.0	19																

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replcement	Replacement	Replacement	Replacement	Misc	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional Residential SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-7	SB-7 (0-0.5)	2/10/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.17 I	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-7 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-7 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-7 (5-7)	2/12/2020	5 to 7	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-7 (8-10)		8 to 10	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-8	SB-8 (0-0.5)	2/10/2020	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-8 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-8 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-8 (5-7)	2/11/2020	5 to 7	0.16 I	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-8 (8-10)		8 to 10	0.23 I	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-9	SB-9 (0-0.5)	2/10/2020	0 to 0.5	2.1	0.29 I	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-9 (0.5-2)		0.5 to 2	0.73	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-9 (2-4)		2 to 4	0.90	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-9 (5-7)	2/11/2020	5 to 7	1.2	0.85	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-9 (8-10)		8 to 10	0.33 I	0.59	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-10	SB-10 (0-0.5)	2/11/2020	0 to 0.5	1.5	0.12 I	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-10 (0.5-2)		0.5 to 2	9.9	1.3	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-10 (2-4)		2 to 4	33	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-10 (5-7)		5 to 7	14	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-10 (8-10)		8 to 10	1.8	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-11	SB-11 (0-0.5)	2/10/2020	0 to 0.5	2.0	0.16 I	0.24 I	0.27 I	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-11 (0.5-2)		0.5 to 2	3.8	0.25 I	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-11 (2-4)		2 to 4	5.2	0.21 I	0.20 I	0.12 UJ	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-11 (5-7)	2/11/2020	5 to 7	2.0	0.41 I	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-11 (8-10)		8 to 10	0.53	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-12	SB-12 (0-0.5)	2/10/2020	0 to 0.5	0.41 I	0.13 U	0.16 I	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-12 (0.5-2)		0.5 to 2	0.25 I	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-12 (2-4)		2 to 4	0.32 I	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-12 (5-7)	2/11/2020	5 to 7	0.34 I	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-12 (8-10)		8 to 10	0.58 U	0.58 U	0.58 U	0.58 U	NA	NA	NA	0.58 U	0.58 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-13	SB-13 (0-0.5)	2/10/2020	0 to 0.5	0.76	0.12 U	0.31 I	0.14 I	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-13 (0.5-2)		0.5 to 2	0.77	0.17 I	0.21 I	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-13 (2-4)		2 to 4	1.1	0.47	0.19 I	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-13 (5-7)	2/11/2020	5 to 7	1.4	0.29 I	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-13 (8-10)		8 to 10	1.6	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-14	SB-14 (0-0.5)	2/10/2020	0 to 0.5	5.9	0.29 I	0.64	0.88	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-14 (0.5-2)		0.5 to 2	12	0.98	0.27 I	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-14 (2-4)	3/3/2020	2 to 4	24	1.8	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-14 (5-7)	2/11/2020	5 to 7	17	1.5	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-14 (8-10)		8 to 10	5.1	0.43 I	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-15	SB-15 (0-0.5)	2/10/2020	0 to 0.5	2.3	0.18 I	0.31 I	0.21 I	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-15 (0.5-2)		0.5 to 2	14	0.13 I	0.21 I	0.12 U	NA	NA	NA	0.12 I	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-15 (2-4)		2 to 4	8.0	0.11 U	0.20 I	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-15 (5-7)	2/11/2020	5 to 7	3.9	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 UJ	0.12 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-15 (8-10)		8 to 10	2.2	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-16	SB-16 (0-0.5)	2/10/2020	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-16 (0.5-2)		0.5 to 2	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-16 (2-4)		2 to 4	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-16 (5-7)	2/11/2020	5 to 7	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-16 (8-10)		8 to 10	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-17	SB-17 (0-0.5)	2/10/2020	0 to 0.5	0.59	0.12 U	0.23 I	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-17 (0.5-2)		0.5 to 2	0.18 I	0.12 U	0.21 I	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-17 (2-4)		2 to 4	0.16 I	0.12 U	0.20 I	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-17 (5-7)	2/11/2020	5 to 7	0.20 I	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-17 (8-10)		8 to 10	0.18 I	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFOA	PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS	
Class				PFCA	PFSA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5	
Provisional Residential SCTL (µg/kg)				1,300	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Provisional Industrial SCTL (µg/kg)				25,000	25,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Provisional Leachability SCTL (µg/kg)				2	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-18	SB-18 (0-0.5)	2/10/2020	0 to 0.5	0.45 I	2.2	NA	0.52 U	0.45 I	0.27 I	0.50 I	0.33 I	0.36 I	0.13 U	0.19 I	0.13 U	0.26 U	0.52 U	0.26 U	NA	0.13 U	0.13 U	
	SB-18 (0.5-2)		0.5 to 2	0.34 I	2.7	NA	0.50 U	0.36 I	0.25 U	0.22 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.50 U	0.25 U	NA	0.12 U	0.12 U	
	SB-18 (2-4)		2 to 4	0.25 I	2.4	NA	0.48 U	0.33 I	0.24 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U	
	SB-18 (5-7)	2/11/2020	5 to 7	0.11 U	1.1	NA	0.43 U	0.22 U	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.43 U	0.22 U	NA	0.11 U	0.11 U	
	SB-18 (8-10)		8 to 10	0.13 U	0.28 I	NA	0.51 U	0.26 U	0.26 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.51 U	0.26 U	NA	0.13 U	0.13 U	
SB-19	SB-19 (0-0.5)	2/10/2020	0 to 0.5	0.24 I	2.2	NA	0.59 I	0.42 I	0.26 U	0.25 I	0.20 I	0.20 I	0.13 U	0.13 U	0.13 U	0.26 U	0.51 U	0.26 U	NA	0.13 U	0.13 U	
	SB-19 (0.5-2)		0.5 to 2	0.30 I	2.6	NA	0.48 U	0.31 I	0.24 U	0.16 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U	
	SB-19 (2-4)		2 to 4	0.70	3.2	NA	0.92 I	0.61 I	0.47 I	0.13 U	0.15 I	0.13 U	0.13 U	0.13 U	0.13 U	0.25 U	0.76 I	0.25 U	NA	0.13 U	0.13 U	
	SB-19 (5-7)	2/11/2020	5 to 7	0.11 U	3.2	NA	0.45 U	0.22 U	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.45 U	0.22 U	NA	0.11 U	0.11 U	
	SB-19 (8-10)		8 to 10	0.12 U	0.98	NA	0.49 U	0.24 U	0.24 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.49 U	0.24 U	NA	0.12 U	0.12 U	
SB-20	SB-20 (0-0.5)	2/11/2020	0 to 0.5	0.58	1.5	NA	0.49 U	0.40 I	0.67 I	0.57	0.83	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	1.6 I	4.5	NA	0.12 U	0.12 U	
	SB-20 (0.5-2)		0.5 to 2	0.26 I	2.8	NA	0.60 I	0.42 I	0.59 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	1.2 I	0.24 U	NA	0.12 U	0.12 U	
	SB-20 (2-4)		2 to 4	0.12 U	2.0	NA	0.66 I	0.36 I	0.27 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U	
	SB-20 (5-7)	2/13/2020	5 to 7	0.10 U	0.23 I	NA	0.41 U	0.20 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.41 U	0.20 U	NA	0.10 U	0.10 U	
	SB-20 (8-10)		8 to 10	0.12 U	1.3	NA	0.48 U	0.24 U	0.24 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U	
SB-21	SB-21 (0-0.5)	2/11/2020	0 to 0.5	0.12 U	1.7	NA	0.46 U	0.23 U	0.23 U	0.12 U	0.12 U	0.51	0.12 U	0.12 U	0.12 U	0.23 U	0.46 U	0.23 U	NA	0.12 U	0.12 U	
	SB-21 (0.5-2)		0.5 to 2	0.12 U	1.5	NA	0.49 U	0.25 U	0.25 U	0.12 U	0.12 U	0.40 I	0.12 U	0.12 U	0.12 U	0.25 U	0.49 U	0.25 U	NA	0.12 U	0.12 U	
	SB-21 (2-4)		2 to 4	0.12 U	0.78 I	NA	0.49 U	0.25 I	0.24 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.49 U	0.24 U	NA	0.12 U	0.12 U	
	SB-21 (5-7)	2/12/2020	5 to 7	0.11 U	0.56 I	NA	0.46 U	0.23 U	0.23 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.46 U	0.23 U	NA	0.11 U	0.11 U	
	SB-21 (8-10)		8 to 10	0.12 U	0.64 I	NA	0.50 U	0.25 U	0.25 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.50 U	0.25 U	NA	0.12 U	0.12 U	
SB-22	SB-22 (0-0.5)	2/11/2020	0 to 0.5	0.32 I	4.7	NA	0.50 U	0.41 I	0.25 U	0.34 I	1.0	0.40 I	0.59	0.15 I	0.19 I	0.25 U	0.50 U	0.25 U	NA	0.13 U	0.13 U	
	SB-22 (0.5-2)		0.5 to 2	0.62	3.5	NA	0.48 U	0.54 I	0.54 I	0.39 I	0.17 I	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U	
	SB-22 (2-4)		2 to 4	0.40 I	1.4	NA	0.56 I	0.95 I	1.1	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U	
	SB-22 (5-7)	2/13/2020	5 to 7	0.12 U	0.24 U	NA	0.49 U	0.24 U	0.33 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.49 U	0.24 U	NA	0.12 U	0.12 U	
	SB-22 (8-10)		8 to 10	0.12 U	0.29 I	NA	0.49 U	0.24 U	0.24 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.49 U	0.24 U	NA	0.12 U	0.12 U	
SB-23	SB-23 (0-0.5)	2/11/2020	0 to 0.5	0.21 I	3.9	NA	0.52 I	0.30 I	0.24 U	0.23 I	0.49	2.1	0.82	0.19 I	0.24 I	0.24 U	0.48 U	0.26 I	NA	0.12 U	0.12 U	
	SB-23 (0.5-2)		0.5 to 2	0.13 U	6.7	NA	0.51 U	0.25 U	0.25 U	0.16 I	0.63	0.44 I	0.13 I	0.13 U	0.13 U	0.25 U	0.51 U	0.25 U	NA	0.13 U	0.13 U	
	SB-23 (2-4)		2 to 4	0.12 U	4.1	NA	0.49 U	0.26 I	0.25 U	0.32 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.49 U	0.25 U	NA	0.12 U	0.12 U	
	SB-23 (5-7)	2/13/2020	5 to 7	0.55 U	1.7	NA	0.44 U	1.1 U	0.22 U	0.52	0.55 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.45 I	0.22 U	NA	0.11 U	0.11 U	
	SB-23 (8-10)		8 to 10	0.14 I	0.43 I	NA	0.47 U	0.28 I	0.24 U	0.14 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.53 I	0.24 U	NA	0.12 U	0.12 U	
SB-24	SB-24 (0-0.5)	2/11/2020	0 to 0.5	0.16 I	2.2	NA	0.50 U	0.25 U	0.25 U	0.12 U	0.12 U	0.14 I	0.12 U	0.12 U	0.12 U	0.25 U	0.50 U	0.25 U	NA	0.12 U	0.12 U	
	SB-24 (0.5-2)		0.5 to 2	0.12 U	1.1	NA	0.46 U	0.23 U	0.23 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.46 U	0.23 U	NA	0.12 U	0.12 U	
	SB-24 (2-4)		2 to 4	0.12 U	3.7	NA	0.49 U	0.25 U	0.25 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.49 U	0.25 U	NA	0.12 U	0.12 U	
	SB-24 (5-7)	2/13/2020	5 to 7	0.12 U	3.0	NA	0.46 U	0.23 U	0.23 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.46 U	0.23 U	NA	0.12 U	0.12 U	
	SB-24 (8-10)		8 to 10	0.12 U	1.6	NA	0.47 U	0.23 U	0.23 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.47 U	0.23 U	NA	0.12 U	0.12 U	
SB-25	SB-25 (0-0.5)	2/11/2020	0 to 0.5	0.12 U	0.82 I	NA	0.48 U	0.24 U	0.24 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U	
	SB-25 (0.5-2)		0.5 to 2	0.13 I	0.86 I	NA	0.48 U	0.24 U	0.24 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U	
	SB-25 (2-4)		2 to 4	0.12 U	0.88 I	NA	0.47 U	0.23 U	0.23 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.47 U	0.23 U	NA	0.12 U	0.12 U	
	SB-25 (5-7)	2/13/2020	5 to 7	0.11 U	0.69 I	NA	0.44 U	0.22 U	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.44 U	0.22 U	NA	0.11 U	0.11 U	
	SB-25 (8-10)		8 to 10	0.13 U	0.25 U	NA	0.50 U	0														

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replcement	Replacement	Replacement	Replacement	Misc	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional Residential SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-18	SB-18 (0-0.5)	2/10/2020	0 to 0.5	0.16 I	0.13 U	0.23 I	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-18 (0.5-2)		0.5 to 2	0.16 I	0.12 U	0.22 I	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-18 (2-4)		2 to 4	0.12 U	0.12 U	0.21 I	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-18 (5-7)	2/11/2020	5 to 7	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-18 (8-10)		8 to 10	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-19	SB-19 (0-0.5)	2/10/2020	0 to 0.5	0.19 I	0.13 U	0.23 I	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-19 (0.5-2)		0.5 to 2	0.18 I	0.12 U	0.21 I	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-19 (2-4)		2 to 4	0.17 I	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-19 (5-7)	2/11/2020	5 to 7	0.83	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-19 (8-10)		8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-20	SB-20 (0-0.5)	2/11/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-20 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-20 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-20 (5-7)	2/13/2020	5 to 7	0.10 U	0.10 U	0.10 U	0.10 U	NA	NA	NA	0.10 U	0.10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-20 (8-10)		8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-21	SB-21 (0-0.5)	2/11/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.27 I	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-21 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.13 I	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-21 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-21 (5-7)	2/12/2020	5 to 7	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-21 (8-10)		8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-22	SB-22 (0-0.5)	2/11/2020	0 to 0.5	0.13 I	0.13 U	0.23 I	0.60	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-22 (0.5-2)		0.5 to 2	0.17 I	0.12 U	0.21 I	0.15 I	NA	NA	NA	0.25 I	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-22 (2-4)		2 to 4	0.13 I	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-22 (5-7)	2/13/2020	5 to 7	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-22 (8-10)		8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-23	SB-23 (0-0.5)	2/11/2020	0 to 0.5	0.27 I	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-23 (0.5-2)		0.5 to 2	0.14 I	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-23 (2-4)		2 to 4	0.31 I	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-23 (5-7)	2/13/2020	5 to 7	0.87	0.18 I	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-23 (8-10)		8 to 10	0.38 I	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-24	SB-24 (0-0.5)	2/11/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-24 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.16 I	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-24 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-24 (5-7)	2/13/2020	5 to 7	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-24 (8-10)		8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-25	SB-25 (0-0.5)	2/11/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-25 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-25 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-25 (5-7)	2/13/2020	5 to 7	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-25 (8-10)		8 to 10	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-26	SB-26 (0-0.5)	2/10/2020	0 to 0.5	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-26 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-26 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-26 (5-7)	2/13/2020	5 to 7	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-26 (8-10)		8 to 10	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-27	SB-27 (0-0.5)	2/10/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.16 I	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-27 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-27 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-27 (5-7)	2/13/2020	5 to 7	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-27 (8-10)		8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-28	SB-28 (0.5-2)	2/12/2020	0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-28 (2-4)		2 to 4	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-28 (5-7)		5 to 7	0.22 I	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-28 (8-10)		8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFOA	PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS	
Class				PFCA	PFSA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5	
Provisional Residential SCTL (µg/kg)				1,300	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)				25,000	25,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)				2	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-29	SB-29 (0-0.5)	7/13/2020	0 to 0.5	0.15 I	2.6	NA	0.57 U	0.28 U	0.28 U	0.20 I	0.35 I	0.20 I	0.51 I	0.14 U	0.15 I	0.28 U	0.57 U	0.28 U	NA	0.14 U	0.14 U	
	SB-29 (0.5-2)		0.5 to 2	0.12 U	3.5	NA	0.49 I	0.24 U	0.24 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U	
	SB-29 (2-4)		2 to 4	0.31 I	2.9	NA	0.80 I	0.34 I	0.48 I	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.21 U	0.43 U	0.21 U	NA	0.11 U	0.11 U	
	SB-29 (5-7)		5 to 7	0.11 U	0.21 U	NA	0.43 U	0.21 U	0.21 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.21 U	0.43 U	0.21 U	NA	0.11 U	0.11 U	
	SB-29 (8-10)		8 to 10	0.11 U	0.51 I	NA	0.45 U	0.22 U	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.45 U	0.22 U	NA	0.11 U	0.11 U	
SB-30	SB-30 (0-0.5)	7/13/2020	0 to 0.5	0.20 I	1.2	NA	0.84 I	0.23 U	0.31 I	0.29 I	0.79	0.48	0.13 I	0.11 U	0.11 U	0.23 U	0.45 U	0.23 U	NA	0.11 U	0.11 U	
	SB-30 (0.5-2)		0.5 to 2	0.15 I	3.0	NA	0.62 I	0.20 U	0.20 U	0.26 I	0.13 I	0.098 U	0.098 U	0.098 U	0.098 U	0.20 U	0.39 U	0.20 U	NA	0.098 U	0.098 U	
	SB-30 (2-4)		2 to 4	0.19 I	1.2	NA	0.46 U	0.23 U	0.23 U	0.16 I	0.23 I	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.46 U	0.23 U	NA	0.12 U	0.12 U	
	SB-30 (5-7)		5 to 7	0.15 I	0.45 I	NA	0.48 U	0.24 U	0.24 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U	
	SB-30 (8-10)		8 to 10	0.11 U	0.48 I	NA	0.45 U	0.23 U	0.23 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.45 U	0.23 U	NA	0.11 U	0.11 U	
SB-31	SB-31 (0-0.5)	7/13/2020	0 to 0.5	0.16 I	1.4	NA	0.71 I	0.24 U	0.24 U	0.18 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.48 U	0.24 U	NA	0.12 U	0.12 U	
	SB-31 (0.5-2)		0.5 to 2	0.16 I	1.8	NA	0.45 U	0.23 U	0.23 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.45 U	0.23 U	NA	0.11 U	0.11 U	
	SB-31 (2-4)		2 to 4	0.47 I	2.9	NA	0.57 I	0.25 U	0.25 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.49 U	0.25 U	NA	0.12 U	0.12 U	
	SB-31 (5-7)		5 to 7	0.13 I	2.6	NA	0.44 U	0.22 U	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.44 U	0.22 U	NA	0.11 U	0.11 U	
	SB-31 (8-10)		8 to 10	0.12 U	0.42 I	NA	0.95 I	0.24 U	0.24 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.49 U	0.24 U	NA	0.12 U	0.12 U	
SB-32	SB-32 (0-0.5)	7/13/2020	0 to 0.5	0.72	0.73 I	NA	0.67 I	0.22 U	0.30 I	1.3	0.72	0.28 I	0.14 I	0.11 U	0.11 U	0.22 U	0.43 U	0.22 U	NA	0.11 U	0.11 U	
	SB-32 (0.5-2)		0.5 to 2	1.2	3.7	NA	0.91 I	0.67 I	0.59 I	0.17 I	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.45 U	0.22 U	NA	0.11 U	0.11 U	
	SB-32 (2-4)		2 to 4	0.43	2.2	NA	0.42 U	0.21 U	0.48 I	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.21 U	0.42 U	0.21 U	NA	0.11 U	0.11 U	
	SB-32 (5-7)		5 to 7	0.15 I	0.87 I	NA	0.45 U	0.22 U	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.45 U	0.22 U	NA	0.11 U	0.11 U	
	SB-32 (8-10)		8 to 10	0.12 U	1.2	NA	0.49 U	0.25 U	0.25 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.49 U	0.25 U	NA	0.12 U	0.12 U	
SB-33	SB-33 (0-0.5)	7/13/2020	0 to 0.5	0.60	7.8	NA	0.50 U	0.25 U	0.25 U	0.73	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.25 U	0.50 U	0.25 U	NA	0.13 U	0.13 U	
	SB-33 (0.5-2)		0.5 to 2	0.64	3.1	NA	1.3 I	1.1	2.1	0.25 I	0.29 I	0.11 U	0.27 I	0.11 U	0.11 U	0.22 U	0.45 U	0.22 U	NA	0.11 U	0.11 U	
	SB-33 (2-4)		2 to 4	0.11 U	1.1	NA	0.89 I	1.5	1.5	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.21 U	0.42 U	0.21 U	NA	0.11 U	0.26 I	
	SB-33 (5-7)		5 to 7	0.56	1.0	NA	1.0 I	1.5	0.69 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	11	0.25 U	NA	0.12 U	0.12 U	
	SB-33 (8-10)		8 to 10	0.39 I	0.37 I	NA	3.3	1.1	0.62 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	2.9	0.24 U	NA	0.12 U	0.12 U	
SB-34	SB-34 (0-0.5)	7/13/2020	0 to 0.5	1.3 U	6.5	NA	5.0 U	2.5 U	0.25 U	1.3 U	1.5	1.1	0.66	0.18 I	0.21 I	0.25 U	0.50 U	0.25 U	NA	0.13 U	0.13 U	
	SB-34 (0.5-2)		0.5 to 2	0.40 I	11	NA	0.46 U	0.23 U	0.23 U	0.30 I	0.28 I	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.46 U	0.23 U	NA	0.11 U	0.11 U	
	SB-34 (2-4)		2 to 4	0.17 I	2.4	NA	0.58 I	2.0	0.30 I	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.44 U	0.22 U	NA	2.3	5.2	
	SB-34 (5-7)		5 to 7	0.11 U	0.23 U	NA	0.45 U	0.50 I	0.23 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.45 U	0.23 U	NA	0.68	1.7	
	SB-34 (8-10)		8 to 10	0.41 I	1.6	NA	0.55 I	1.4	0.35 I	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.46 U	0.23 U	NA	1.1 U	1.4 I	
SB-35	SB-35 (0-0.5)	7/13/2020	0 to 0.5	0.41 I	4.3	NA	0.46 U	0.27 I	0.25 I	0.50	0.54	0.27 I	0.20 I	0.12 U	0.12 U	0.23 U	0.46 U	0.23 U	NA	0.12 U	0.12 U	
	SB-35 (0.5-2)		0.5 to 2	0.38 I	4.6	NA	0.63 I	0.71 I	1.5	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.45 U	0.23 U	NA	0.11 U	0.11 U	
	SB-35 (2-4)		2 to 4	1.1 U	5.1	NA	4.5 U	2.2 U	2.2 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.45 U	0.22 U	NA	0.11 U	0.11 U	
	SB-35 (5-7)		5 to 7	0.11 U	0.61 I	NA	0.42 U	0.21 U	0.21 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.21 U	0.42 U	0.21 U	NA	0.11 U	0.11 U	
	SB-35 (8-10)		8 to 10	0.15 I	0.83 I	NA	0.50 U	0.25 U	0.25 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.50 U	0.25 U	NA	0.12 U	0.12 U	
SB-36	SB-36 (0-0.5)	7/13/2020	0 to 0.5	0.48	8.1 I	NA	2.4	2.1	2.2	0.68	0.21 I	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.43 U	0.22 U	NA	0.11 U	0.11 U	
	SB-36 (0.5-2)		0.5 to 2	0.68	6.7	NA	2.6	2.1	4.3	0.25 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.46 U	0.23 U	NA	0.12 U	0.12 U	
	SB-36 (2-4)		2 to 4	1.1 U	4.6	NA	4.3 U	3.3 I	2.2 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.43 U	0.22 U	NA	0.11 U	0.11 U	
	SB-36 (5-7)		5 to 7	0.15 I	1.6	NA	0.74 I	0.47 I	0.35 I	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.44 U	0.22 U	NA	0.11 U	0.11 U	
	SB-36 (8-10)		8 to 10	0.12 U	0.23 U	NA	0.57 I	0.32 I	0.23 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.47 U	0.23 U	NA	0.12 U	0.12 U	
SB-37	SB-37 (0-0.5)	7/13/2020	0 to 0.5	0.11 U</																		

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replcement	Replacement	Replacement	Replacement	Misc	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional Residential SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-29	SB-29 (0-0.5)	7/13/2020	0 to 0.5	0.14 U	0.14 U	0.14 U	0.30 I	NA	NA	NA	0.14 U	0.14 U	NA	NA	NA	0.14 U	NA	NA	NA	NA	NA
	SB-29 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
	SB-29 (2-4)		2 to 4	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-29 (5-7)		5 to 7	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-29 (8-10)		8 to 10	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
SB-30	SB-30 (0-0.5)	7/13/2020	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-30 (0.5-2)		0.5 to 2	0.098 U	0.098 U	0.098 U	0.098 U	NA	NA	NA	0.098 U	0.098 U	NA	NA	NA	0.098 U	NA	NA	NA	NA	NA
	SB-30 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
	SB-30 (5-7)		5 to 7	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
	SB-30 (8-10)		8 to 10	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
SB-31	SB-31 (0-0.5)	7/13/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
	SB-31 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-31 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
	SB-31 (5-7)		5 to 7	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-31 (8-10)		8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
SB-32	SB-32 (0-0.5)	7/13/2020	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-32 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-32 (2-4)		2 to 4	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-32 (5-7)		5 to 7	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-32 (8-10)		8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
SB-33	SB-33 (0-0.5)	7/13/2020	0 to 0.5	0.45 I	0.16 I	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	0.13 U	NA	NA	NA	NA	NA
	SB-33 (0.5-2)		0.5 to 2	5.7	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.32 I	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-33 (2-4)		2 to 4	0.70	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-33 (5-7)		5 to 7	1.1	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
	SB-33 (8-10)		8 to 10	0.60	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
SB-34	SB-34 (0-0.5)	7/13/2020	0 to 0.5	1.1	0.13 U	0.15 I	0.24 I	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	0.13 UJ	NA	NA	NA	NA	NA
	SB-34 (0.5-2)		0.5 to 2	1.2	0.16 I	0.11 U	0.18 I	NA	NA	NA	0.15 I	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-34 (2-4)		2 to 4	8.6	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-34 (5-7)		5 to 7	4.4	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-34 (8-10)		8 to 10	17	0.32 I	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
SB-35	SB-35 (0-0.5)	7/13/2020	0 to 0.5	0.44 I	0.12 U	0.12 U	0.13 I	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 UJ	NA	NA	NA	NA	NA
	SB-35 (0.5-2)		0.5 to 2	2.4	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-35 (2-4)		2 to 4	1.3	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-35 (5-7)		5 to 7	0.32 I	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-35 (8-10)		8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
SB-36	SB-36 (0-0.5)	7/13/2020	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-36 (0.5-2)		0.5 to 2	0.15 I	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 UJ	NA	NA	NA	NA	NA
	SB-36 (2-4)		2 to 4	0.66	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-36 (5-7)		5 to 7	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-36 (8-10)		8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 UJ	NA	NA	NA	NA	NA
SB-37	SB-37 (0-0.5)	7/13/2020	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-37 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
	SB-37 (2-4)		2 to 4	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-37 (5-10)		5 to 10	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.15 I	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
	SB-38 (0-0.5)	7/13/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
SB-38	SB-38 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA
	SB-38 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
	SB-38 (5-7)		5 to 7	0.12 UY	0.12 UY	0.12 UY	0.12 UY	NA	NA	NA	0.12 UY	0.12 UY	NA	NA	NA	0.12 UY	NA	NA	NA	NA	NA
	SB-38 (8-10)		8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
SB-39	SB-39 (0-0.5)	7/13/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
	SB-39 (0.5-2)		0.5 to 2	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	0.13 U	NA	NA	NA	NA	NA
	SB-39 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA
	SB-39 (5-7)	7/14/2020	5 to 7	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 UJ	NA	NA	NA	NA	NA
	SB-39 (8-10)		8 to 10	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFOA	PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS	
Class				PFCA	PFSA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5	
Provisional Residential SCTL (µg/kg)				1,300	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Provisional Industrial SCTL (µg/kg)				25,000	25,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Provisional Leachability SCTL (µg/kg)				2	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-40	SB-40 (0-0.5)	7/21/2020	0 to 0.5	0.16 I	2.5	NA	0.47 U	0.23 U	0.23 U	0.13 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.47 U	0.23 U	NA	0.12 U	0.12 U	
	SB-40 (0.5-2)		0.5 to 2	0.15 I	1.7	NA	0.43 U	0.22 U	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.43 U	0.22 U	NA	0.11 U	0.11 U	
	SB-40 (2-4)		2 to 4	0.12 I	1.8	NA	0.46 U	0.23 U	0.23 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.46 U	0.23 U	NA	0.11 U	0.11 U	
	SB-40 (5-7)		5 to 7	0.11 U	0.37 I	NA	0.46 U	0.23 U	0.23 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.46 U	0.23 U	NA	0.11 U	0.11 U	
	SB-40 (8-10)		8 to 10	0.13 U	0.26 U	NA	0.52 U	0.26 U	0.26 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.52 U	0.26 U	NA	0.13 U	0.13 U	
SB-41	SB-41 (0-0.5)	7/14/2020	0 to 0.5	0.11 U	1.0	NA	0.45 U	0.23 U	0.23 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.45 U	0.23 U	NA	0.11 U	0.11 U	
	SB-41 (0.5-2)		0.5 to 2	0.10 U	0.21 U	NA	0.41 U	0.21 U	0.21 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.21 U	0.41 U	0.21 U	NA	0.10 U	0.10 U	
SB-42	SB-42 (0-0.5)	7/14/2020	0 to 0.5	0.11 U	0.30 I	NA	0.43 U	0.21 U	0.21 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.21 U	0.43 U	0.21 U	NA	0.11 U	0.11 U	
	SB-42 (0.5-2)		0.5 to 2	0.11 I	1.6	NA	0.42 U	0.21 U	0.21 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.21 U	0.42 U	0.21 U	NA	0.10 U	0.10 U	
SB-43	SB-43 (0-0.5)	7/14/2020	0 to 0.5	0.11 U	0.78 I	NA	0.46 U	0.23 U	0.23 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.46 U	0.23 U	NA	0.11 U	0.11 U	
	SB-43 (0.5-2)		0.5 to 2	0.15 I	0.85 I	NA	0.64 I	0.22 U	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.44 U	0.22 U	NA	0.11 U	0.11 U	
SB-44	SB-44 (0-0.5)	7/14/2020	0 to 0.5	0.11 U	0.22 U	NA	0.44 U	0.22 U	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.44 U	0.22 U	NA	0.11 U	0.11 U	
	SB-44 (0.5-2)		0.5 to 2	0.11 U	0.23 U	NA	0.45 U	0.23 U	0.23 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.45 U	0.23 U	NA	0.11 U	0.11 U	
SB-45	SB-45 (0-0.5)	7/14/2020	0 to 0.5	0.28 I	0.23 U	NA	0.46 U	0.23 U	0.24 I	0.12 U	0.12 U	0.12 U	0.12 I	0.12 U	0.12 U	0.23 U	0.46 U	0.23 U	NA	0.12 U	0.12 U	
	SB-45 (0.5-2)		0.5 to 2	0.14 I	0.40 I	NA	0.45 I	0.24 I	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.44 U	0.22 U	NA	0.11 U	0.11 U	
SB-46	SB-46 (0-0.5)	7/14/2020	0 to 0.5	0.12 U	0.23 U	NA	0.46 U	0.23 U	0.23 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.46 U	0.23 U	NA	0.12 U	0.12 U	
	SB-46 (0.5-2)		0.5 to 2	0.11 U	0.21 U	NA	0.43 U	0.21 U	0.21 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.21 U	0.43 U	0.21 U	NA	0.11 U	0.11 U	
SB-47	SB-47 (0-0.5)	7/14/2020	0 to 0.5	0.43 I	1.7	NA	1.0 I	0.64 I	1.0	0.58	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	1.7 I	0.24 U	NA	0.12 U	0.12 U	
	SB-47 (0.5-2)		0.5 to 2	0.27 I	0.81 I	NA	1.4 I	1.4	1.6	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.43 U	0.22 U	NA	0.11 U	0.11 U	
SB-48	SB-48 (0-0.5)	7/14/2020	0 to 0.5	0.12 U	1.3	NA	0.47 U	0.23 U	0.23 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.47 U	0.23 U	NA	0.12 U	0.12 U	
	SB-48 (0.5-2)		0.5 to 2	0.11 U	1.5	NA	0.45 U	0.22 U	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.17 I	0.11 U	0.22 U	0.45 U	0.22 U	NA	0.11 U	0.11 U	
SB-49	SB-49 (0-0.5)	8/17/2021	0 to 0.5	0.31 I	3.6	0.47 U	0.39 I	0.29 I	0.29 I	0.37 I	0.70 I	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	NA	0.24 U	0.12 U	0.12 U	
	SB-49 (0.5-2)		0.5 to 2	0.45 I	2.4	0.52 U	0.64 I	0.26 U	0.26 U	0.52 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.1 U	NA	0.26 U	0.13 U	0.13 U	
	SB-49 (2-4)		2 to 4	0.44 I	1.4	0.48 U	0.40 I	0.32 I	0.29 I	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	NA	0.24 U	0.12 U	0.12 U	
	SB-49 (5-7)		5 to 7	0.22 U	1.3	0.44 U	0.22 U	0.22 U	0.32 I	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.8 U	NA	0.22 U	0.11 U	0.11 U	
	SB-49 (8-10)		8 to 10	0.25 U	0.88 I	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	NA	0.25 U	0.12 U	0.12 U	
SB-50	SB-50 (0-0.5)	8/17/2021	0 to 0.5	0.25 U	2.8	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.25 U	0.25 U	0.27 I	0.25 U	0.25 U	2.0 U	NA	0.25 U	0.12 U	0.12 U	
	SB-50 (0.5-2)		0.5 to 2	0.24 U	1.8	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.43 I	0.24 U	0.56 I	0.24 U	0.24 U	1.9 U	NA	0.24 U	0.12 U	0.12 U	
	SB-50 (2-4)		2 to 4	0.23 U	0.70 I	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	NA	0.23 U	0.11 U	0.11 U	
	SB-50 (5-7)		5 to 7	0.22 U	0.65 I	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.8 U	NA	0.22 U	0.11 U	0.11 U	
	SB-50 (8-10)		8 to 10	0.23 U	1.6	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	NA	0.23 U	0.11 U	0.11 U	
SB-51	SB-51 (0-0.5)	8/17/2021	0 to 0.5	0.37 I	7.4	0.49 U	0.62 I	0.43 I	0.41 I	0.49 I	0.70 I	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.0 U	NA	0.24 U	0.12 U	0.12 U	
	SB-51 (0.5-2)		0.5 to 2	0.35 I	2.8	0.48 U	0.28 I	0.26 I	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	NA	0.24 U	0.12 U	0.12 U	
	SB-51 (2-4)		2 to 4	0.25 U	2.8	0.51 U	0.42 I	0.39 I	0.26 I	0.25 U	0.51 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	NA	0.25 U	0.13 U	0.13 U	
	SB-51 (5-7)		5 to 7	0.28 I	1.3	0.50 U	0.25 U	0.32 I	0.34 I	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	NA	0.25 U	0.12 U	0.12 U	
	SB-51 (8-10)		8 to 10	0.23 U	1.1	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	NA	0.23 U	0.11 U	0.11 U	
SB-52	SB-52 (0-0.5)	8/17/2021	0 to 0.5	0.24 UY	1.6 Y	0.49 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.49 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	2.0 UY	0.24 UY	0.24 UY	0.12 UY	0.12 UY	
	SB-52 (0.5-2)		0.5 to 2	0.22 UY	3.5 Y	0.45 UY	0.22 UY	0.22 UY	0.22 UY	0.22 UY	0.45 UY	0.22 UY	0.22 UY	0.22 UY	0.22 UY	0.22 UY	1.8 UY	0.22 UY	0.22 UY	0.11 UY	0.11 UY	

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replcement	Replacement	Replacement	Replacement	Misc	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional Residential SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-40	SB-40 (0-0.5)	7/21/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 UJ	NA	NA	NA	NA	NA
	SB-40 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-40 (2-4)		2 to 4	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-40 (5-7)		5 to 7	0.13 I	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-40 (8-10)		8 to 10	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	0.13 UJ	NA	NA	NA	NA	NA
SB-41	SB-41 (0-0.5)	7/14/2020	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-41 (0.5-2)		0.5 to 2	0.10 U	0.10 U	0.10 U	0.10 U	NA	NA	NA	0.10 U	0.10 U	NA	NA	NA	0.10 UJ	NA	NA	NA	NA	NA
SB-42	SB-42 (0-0.5)	7/14/2020	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-42 (0.5-2)		0.5 to 2	0.10 U	0.10 U	0.10 U	0.10 U	NA	NA	NA	0.10 U	0.10 U	NA	NA	NA	0.10 UJ	NA	NA	NA	NA	NA
SB-43	SB-43 (0-0.5)	7/14/2020	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-43 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
SB-44	SB-44 (0-0.5)	7/14/2020	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
	SB-44 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
SB-45	SB-45 (0-0.5)	7/14/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 UJ	NA	NA	NA	NA	NA
	SB-45 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
SB-46	SB-46 (0-0.5)	7/14/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 UJ	NA	NA	NA	NA	NA
	SB-46 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
SB-47	SB-47 (0-0.5)	7/14/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 UJ	NA	NA	NA	NA	NA
	SB-47 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.16 I	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
SB-48	SB-48 (0-0.5)	7/14/2020	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA	0.12 UJ	NA	NA	NA	NA	NA
	SB-48 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA	0.11 UJ	NA	NA	NA	NA	NA
SB-49	SB-49 (0-0.5)	8/17/2021	0 to 0.5	0.89	0.12 U	0.12 U	0.12 U	0.12 U	0.89	0.12 U	NA	NA	0.12 U	0.24 U	0.24 U	NA	NA	NA	NA	NA	0.95 U
	SB-49 (0.5-2)		0.5 to 2	0.74	0.13 U	0.13 U	0.13 U	0.13 U	1.3	0.13 U	NA	NA	0.13 U	0.26 U	0.26 U	NA	NA	NA	NA	NA	1.0 U
	SB-49 (2-4)		2 to 4	0.53	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	0.12 U	0.24 U	0.24 U	NA	NA	NA	NA	NA	0.96 U
	SB-49 (5-7)		5 to 7	0.57	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	0.11 U	0.22 U	0.22 U	NA	NA	NA	NA	NA	0.88 U
	SB-49 (8-10)		8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	0.12 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	1.0 U
SB-50	SB-50 (0-0.5)	8/17/2021	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	0.12 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	0.99 U
	SB-50 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	0.12 U	0.24 U	0.24 U	NA	NA	NA	NA	NA	0.96 U
	SB-50 (2-4)		2 to 4	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	0.11 U	0.23 U	0.23 U	NA	NA	NA	NA	NA	0.91 U
	SB-50 (5-7)		5 to 7	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	0.11 U	0.22 U	0.22 U	NA	NA	NA	NA	NA	0.88 U
	SB-50 (8-10)		8 to 10	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	0.11 U	0.23 U	0.23 U	NA	NA	NA	NA	NA	0.91 U
SB-51	SB-51 (0-0.5)	8/17/2021	0 to 0.5	0.43 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	0.12 U	0.24 U	0.24 U	NA	NA	NA	NA	NA	0.98 U
	SB-51 (0.5-2)		0.5 to 2	0.39 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	0.12 U	0.24 U	0.24 U	NA	NA	NA	NA	NA	0.96 U
	SB-51 (2-4)		2 to 4	0.65	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	0.13 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	1.0 U
	SB-51 (5-7)		5 to 7	0.48 I	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	0.12 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	1.0 U
	SB-51 (8-10)		8 to 10	0.30 I	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	0.11 U	0.23 U	0.23 U	NA	NA	NA	NA	NA	0.91 U
SB-52	SB-52 (0-0.5)	8/17/2021	0 to 0.5	0.12 UY	0.12 UY	0.12 UY	0.17 IY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.24 UY	0.24 UY	0.49 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.98 UY
	SB-52 (0.5-2)		0.5 to 2	0.11 UY	0.11 UY	0.11 UY	0.28 IY	0.11 UY	0.11 UY	0.11 UY	0.18 IY	0.11 UY	0.11 UY	0.22 UY	0.22 UY	0.45 UY	0.22 UY	0.22 UY	0.22 UY	0.22 UY	0.90 UY
	SB-52 (2-4)		2 to 4	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.23 UY	0.23 UY	0.46 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.92 UY
	SB-52 (5-7)		5 to 7	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.26 UY	0.26 UY	0.53 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	1.1 UY
	SB-52 (8-10)		8 to 10	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.29 UY	0.29 UY	0.58 UY	0.29 UY	0.29 UY	0.29 UY	0.29 UY	1.2 UY
SB-53	SB-53 (0-0.5)	8/17/2021	0 to 0.5	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.24 UY	0.24 UY	0.48 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.96 UY
	SB-53 (0.5-2)		0.5 to 2	0.10 UY	0.10 UY	0.10 UY	0.68 Y	0.10 UY	0.10 UY	0.14 IY	1.2 Y	0.15 IY	0.10.								

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFOA	PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS
Class				PFCA	PFSA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5
Provisional Residential SCTL (µg/kg)				1,300	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)				25,000	25,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)				2	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-56	SB-56 (0-0.5)	8/17/2021	0 to 0.5	0.29 UY	0.29 UY	0.57 UY	0.29 UY	0.29 UY	0.29 UY	0.29 UY	0.57 UY	0.29 UY	0.29 UY	0.29 UY	0.29 UY	0.29 UY	2.3 UY	0.29 UY	0.29 UY	0.14 UY	0.14 UY
	SB-56 (0.5-2)		0.5 to 2	0.24 UY	2.0 Y	0.47 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.47 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	1.9 UY	0.24 UY	0.24 UY	0.12 UY	0.12 UY
	SB-56 (2-4)		2 to 4	0.23 UY	1.3 Y	0.47 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.47 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	1.9 UY	0.23 UY	0.23 UY	0.12 UY	0.12 UY
	SB-56 (5-7)		5 to 7	0.25 UY	0.45 IY	0.49 UY	0.25 UY	0.25 UY	0.25 UY	0.25 UY	0.49 UY	0.25 UY	0.25 UY	0.25 UY	0.25 UY	0.25 UY	2.0 UY	0.25 UY	0.25 UY	0.12 UY	0.12 UY
	SB-56 (8-10)		8 to 10	0.26 UY	0.53 IY	0.53 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	0.53 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	2.1 UY	0.26 UY	0.26 UY	0.13 UY	0.13 UY
SB-57	SB-57 (0-0.5)	8/17/2021	0 to 0.5	0.21 UY	0.30 IY	0.41 UY	0.21 UY	0.21 UY	0.21 UY	0.21 UY	0.41 UY	0.21 UY	0.21 UY	0.21 UY	0.21 UY	0.21 UY	1.6 UY	0.21 UY	0.21 UY	0.10 UY	0.10 UY
	SB-57 (0.5-2)		0.5 to 2	0.20 UY	1.1 Y	0.40 UY	0.20 UY	0.20 UY	0.20 UY	0.20 UY	0.40 UY	0.20 UY	0.20 UY	0.20 UY	0.20 UY	0.20 UY	1.6 UY	0.20 UY	0.20 UY	0.099 UY	0.099 UY
	SB-57 (2-4)		2 to 4	0.23 UY	2.2 Y	0.46 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.46 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	1.8 UY	0.23 UY	0.23 UY	0.11 UY	0.11 UY
	SB-57 (5-7)		5 to 7	0.24 UY	1.1 Y	0.49 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.49 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	2.0 UY	0.24 UY	0.24 UY	0.12 UY	0.12 UY
	SB-57 (8-10)		8 to 10	0.26 UY	0.51 IY	0.52 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	0.52 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	2.1 UY	0.26 UY	0.26 UY	0.13 UY	0.13 UY
SB-58	SB-58 (0-0.5)	8/16/2021	0 to 0.5	0.22 UY	0.22 UY	0.44 UY	0.22 UY	0.22 UY	0.22 UY	0.22 UY	0.44 UY	0.22 UY	0.22 UY	0.22 UY	0.22 UY	0.22 UY	1.8 UY	0.22 UY	0.22 UY	0.11 UY	0.11 UY
	SB-58 (0.5-2)		0.5 to 2	0.23 UY	0.76 IY	0.46 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.46 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	1.8 UY	0.23 UY	0.23 UY	0.12 UY	0.12 UY
	SB-58 (2-4)		2 to 4	0.24 UY	0.56 IY	0.48 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.48 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	1.9 UY	0.24 UY	0.24 UY	0.12 UY	0.12 UY
	SB-58 (5-7)		5 to 7	0.24 UY	0.77 IY	0.48 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.48 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	1.9 UY	0.24 UY	0.24 UY	0.12 UY	0.12 UY
	SB-58 (8-10)		8 to 10	0.26 UY	0.68 IY	0.53 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	0.53 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	2.1 UY	0.26 UY	0.26 UY	0.13 UY	0.13 UY
SB-59	SB-59 (0-0.5)	8/16/2021	0 to 0.5	0.24 U	0.62 I	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	NA	0.24 U	0.12 U	0.12 U
	SB-59 (0.5-2)		0.5 to 2	0.23 UY	0.92 Y	0.45 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.45 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	1.8 UY	0.23 UY	0.23 UY	0.11 UY	0.11 UY
	SB-59 (2-4)		2 to 4	0.23 UY	0.23 UY	0.47 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.47 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	1.9 UY	0.23 UY	0.23 UY	0.12 UY	0.12 UY
	SB-59 (5-7)		5 to 7	0.30 UY	0.30 UY	0.59 UY	0.30 UY	0.30 UY	0.30 UY	0.30 UY	0.59 UY	0.30 UY	0.30 UY	0.30 UY	0.30 UY	0.30 UY	2.4 UY	0.30 UY	0.30 UY	0.15 UY	0.15 UY
	SB-59 (8-10)		8 to 10	0.26 UY	0.26 UY	0.53 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	0.53 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	2.1 UY	0.26 UY	0.26 UY	0.13 UY	0.13 UY
SB-60	SB-60 (0-0.5)	8/17/2021	0 to 0.5	0.23 U	0.51 I	0.47 U	0.23 U	0.23 U	0.23 U	0.23 U	0.47 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.9 U	NA	0.23 U	0.12 U	0.12 U
	SB-60 (0.5-2)		0.5 to 2	0.24 U	1.2	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.0 U	NA	0.24 U	0.12 U	0.12 U
	SB-60 (2-4)		2 to 4	0.24 U	0.65 I	0.47 U	0.24 U	0.24 U	0.24 U	0.24 U	0.47 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	NA	0.24 U	0.12 U	0.12 U
	SB-60 (5-7)		5 to 7	0.26 U	0.60 I	0.51 U	0.26 U	0.26 U	0.26 U	0.26 U	0.51 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.1 U	NA	0.26 U	0.13 U	0.13 U
	SB-60 (8-10)		8 to 10	0.26 U	0.27 I	0.51 U	0.26 U	0.26 U	0.26 U	0.26 U	0.51 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.1 U	NA	0.26 U	0.13 U	0.13 U
SB-61	SB-61 (0-0.5)	8/16/2021	0 to 0.5	0.25 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	NA	0.25 U	0.12 U	0.12 U
	SB-61 (0.5-2)		0.5 to 2	0.25 U	1.1	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	NA	0.25 U	0.13 U	0.13 U
	SB-61 (2-4)		2 to 4	0.25 U	0.42 I	0.51 U	0.25 U	0.25 U	0.25 U	0.25 U	0.51 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	NA	0.25 U	0.13 U	0.13 U
	SB-61 (5-7)		5 to 7	0.26 U	0.26 U	0.51 U	0.26 U	0.26 U	0.26 U	0.26 U	0.51 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.1 U	NA	0.26 U	0.13 U	0.13 U
SB-62	SB-62 (0-0.5)	8/16/2021	0 to 0.5	0.28 U	1.7	0.55 U	0.28 U	0.28 U	0.28 U	0.28 U	0.55 U	0.28 U	0.28 U	0.54 I	0.28 U	0.28 U	2.2 U	NA	0.28 U	0.14 U	0.14 U
	SB-62 (0.5-2)		0.5 to 2	0.26 U	0.88 I	0.51 U	0.26 U	0.26 U	0.26 U	0.26 U	0.51 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.1 U	NA	0.26 U	0.13 U	0.13 U
	SB-62 (2-4)		2 to 4	0.27 U	0.71 I	0.54 U	0.27 U	0.27 U	0.27 U	0.27 U	0.54 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	2.2 U	NA	0.27 U	0.13 U	0.13 U
	SB-62 (5-7)		5 to 7	0.27 U	0.27 U	0.54 U	0.27 U	0.27 U	0.27 U	0.27 U	0.54 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	2.2 U	NA	0.27 U	0.13 U	0.13 U
	SB-62 (8-10)		8 to 10	0.31 U	0.31 U	0.62 U	0.31 U	0.31 U	0.31 U	0.31 U	0.62 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	2.5 U	NA	0.31 U	0.15 U	0.15 U
SB-63	SB-63 (0-0.5)	8/16/2021	0 to 0.5	0.26 U	0.26 U	0.52 U	0.26 U	0.26 U	0.26 U	0.26 U	0.52 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.1 U	NA	0.26 U	0.13 U	0.13 U
	SB-63 (0.5-2)		0.5 to 2	0.26 U	0.26 U	0.52 U	0.26 U	0.26 U	0.26 U	0.26 U	0.52 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.1 U	NA	0.26 U	0.13 U	0.13 U
	SB-63 (2-4)		2 to 4	0.25 U	0.25 U	0.51 U	0.25 U	0.25 U	0.25 U	0.25 U	0.51 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	NA	0.25 U	0.13 U	0.13 U
	SB-63 (5-7)		5 to 7	0.28 U	0.28 U	0.56 U	0.28 U	0.28 U	0.28 U												

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replcement	Replacement	Replacement	Replacement	Misc	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional Residential SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-56	SB-56 (0-0.5)	8/17/2021	0 to 0.5	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.14 UY	0.29 UY	0.29 UY	0.57 UY	0.29 UY	0.29 UY	0.29 UY	0.29 UY	1.1 UY
	SB-56 (0.5-2)		0.5 to 2	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.24 UY	0.24 UY	0.47 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.94 UY
	SB-56 (2-4)		2 to 4	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.23 UY	0.23 UY	0.47 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.93 UY
	SB-56 (5-7)		5 to 7	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.25 UY	0.25 UY	0.49 UY	0.25 UY	0.25 UY	0.25 UY	0.25 UY	0.98 UY
	SB-56 (8-10)		8 to 10	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.26 UY	0.26 UY	0.53 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	1.1 UY
SB-57	SB-57 (0-0.5)	8/17/2021	0 to 0.5	0.10 UY	0.10 UY	0.10 UY	0.10 UY	0.10 UY	0.10 UY	0.10 UY	0.10 UY	0.10 UY	0.10 UY	0.21 UY	0.21 UY	0.41 UY	0.21 UY	0.21 UY	0.21 UY	0.21 UY	0.82 UY
	SB-57 (0.5-2)		0.5 to 2	0.099 UY	0.099 UY	0.099 UY	0.099 UY	0.099 UY	0.099 UY	0.099 UY	0.099 UY	0.099 UY	0.099 UY	0.20 UY	0.20 UY	0.40 UY	0.20 UY	0.20 UY	0.20 UY	0.20 UY	0.79 UY
	SB-57 (2-4)		2 to 4	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.23 UY	0.23 UY	0.46 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.91 UY
	SB-57 (5-7)		5 to 7	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.24 UY	0.24 UY	0.49 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.98 UY
	SB-57 (8-10)		8 to 10	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.26 UY	0.26 UY	0.52 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	1.0 UY
SB-58	SB-58 (0-0.5)	8/16/2021	0 to 0.5	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.22 UY	0.22 UY	0.44 UY	0.22 UY	0.22 UY	0.22 UY	0.22 UY	0.88 UY
	SB-58 (0.5-2)		0.5 to 2	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.23 UY	0.23 UY	0.46 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.92 UY
	SB-58 (2-4)		2 to 4	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.24 UY	0.24 UY	0.48 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.95 UY
	SB-58 (5-7)		5 to 7	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.24 UY	0.24 UY	0.48 UY	0.24 UY	0.24 UY	0.24 UY	0.24 UY	0.96 UY
	SB-58 (8-10)		8 to 10	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.26 UY	0.26 UY	0.53 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	1.1 UY
SB-59	SB-59 (0-0.5)	8/16/2021	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	0.12 U	0.24 U	0.24 U	NA	NA	NA	NA	NA	NA	0.96 U
	SB-59 (0.5-2)		0.5 to 2	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.11 UY	0.23 UY	0.23 UY	0.45 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.91 UY
	SB-59 (2-4)		2 to 4	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.12 UY	0.23 UY	0.23 UY	0.47 UY	0.23 UY	0.23 UY	0.23 UY	0.23 UY	0.94 UY
	SB-59 (5-7)		5 to 7	0.15 UY	0.15 UY	0.15 UY	0.15 UY	0.15 UY	0.15 UY	0.15 UY	0.15 UY	0.15 UY	0.15 UY	0.30 UY	0.30 UY	0.59 UY	0.30 UY	0.30 UY	0.30 UY	0.30 UY	1.2 UY
	SB-59 (8-10)		8 to 10	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.13 UY	0.26 UY	0.26 UY	0.53 UY	0.26 UY	0.26 UY	0.26 UY	0.26 UY	1.1 UY
SB-60	SB-60 (0-0.5)	8/17/2021	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	0.12 U	0.23 U	0.23 U	NA	NA	NA	NA	NA	NA	0.93 U
	SB-60 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	0.12 U	0.24 U	0.24 U	NA	NA	NA	NA	NA	0.98 U
	SB-60 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	0.12 U	0.24 U	0.24 U	NA	NA	NA	NA	NA	0.95 U
	SB-60 (5-7)		5 to 7	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	0.13 U	0.26 U	0.26 U	NA	NA	NA	NA	NA	1.0 U
	SB-60 (8-10)		8 to 10	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	0.13 U	0.26 U	0.26 U	NA	NA	NA	NA	NA	1.0 U
SB-61	SB-61 (0-0.5)	8/16/2021	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	0.12 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	NA	0.99 U
	SB-61 (0.5-2)		0.5 to 2	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	0.13 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	1.0 U
	SB-61 (2-4)		2 to 4	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	0.13 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	1.0 U
	SB-61 (5-7)		5 to 7	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	0.13 U	0.26 U	0.26 U	NA	NA	NA	NA	NA	1.0 U
SB-62	SB-62 (0-0.5)	8/16/2021	0 to 0.5	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	NA	NA	0.14 U	0.28 U	0.28 U	NA	NA	NA	NA	NA	NA	1.1 U
	SB-62 (0.5-2)		0.5 to 2	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	0.13 U	0.26 U	0.26 U	NA	NA	NA	NA	NA	1.0 U
	SB-62 (2-4)		2 to 4	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	0.13 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	1.1 U
	SB-62 (5-7)		5 to 7	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	0.13 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	1.1 U
	SB-62 (8-10)		8 to 10	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	NA	NA	0.15 U	0.31 U	0.31 U	NA	NA	NA	NA	NA	1.2 U
SB-63	SB-63 (0-0.5)	8/16/2021	0 to 0.5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	0.13 U	0.26 U	0.26 U	NA	NA	NA	NA	NA	NA	1.0 U
	SB-63 (0.5-2)		0.5 to 2	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	0.13 U	0.26 U	0.26 U	NA	NA	NA	NA	NA	1.0 U
	SB-63 (2-4)		2 to 4	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	0.13 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	1.0 U
	SB-63 (5-7)		5 to 7	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	NA	NA	0.14 U	0.28 U	0.28 U	NA	NA	NA	NA	NA	1.1 U
SB-64	SB-64 (0-0.5)	8/16/2021	0 to 0.5	0.097 U	0.097 U	0.097 U	0.097 U	0.097 U	0.097 U	NA	NA	0.097 U	0.19 U	0.19 U	NA	NA	NA	NA	NA	NA	0.78 U
	SB-64 (0.5-2)		0.5 to 2	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U											

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFOA	PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS
Class				PFCA	PFSA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5
Provisional Residential SCTL (µg/kg)				1,300	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)				25,000	25,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)				2	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-67	SB-67 (0-0.5)	8/16/2021	0 to 0.5	0.22 U	0.38 I	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.8 U	NA	0.22 U	0.11 U	0.11 U
	SB-67 (0.5-2)		0.5 to 2	0.20 U	0.30 I	0.39 U	0.20 U	0.20 U	0.20 U	0.20 U	0.39 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.6 U	NA	0.20 U	0.099 U	0.099 U
	SB-67 (2-4)		2 to 4	0.23 U	2.6	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	NA	0.23 U	0.11 U	0.11 U
	SB-67 (5-7)		5 to 7	0.24 U	1.3	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	NA	0.24 U	0.12 U	0.12 U
	SB-67 (8-10)		8 to 10	0.20 U	1.3	0.41 U	0.20 U	0.20 U	0.20 U	0.20 U	0.41 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.6 U	NA	0.20 U	0.10 U	0.10 U
SB-68	SB-68 (0-0.5)	6/9/2022	0 to 0.5	0.23 U	0.32 I	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.11 U	0.11 U
	SB-68 (0.5-2)		0.5 to 2	0.23 U	0.36 I	0.47 U	0.23 U	0.23 U	0.23 U	0.23 U	0.47 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.9 U	0.23 U	0.23 U	0.12 U	0.12 U
	SB-68 (2-4)		2 to 4	0.26 U	0.38 I	0.51 U	0.26 U	0.26 U	0.26 U	0.26 U	0.51 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.0 U	0.26 U	0.26 U	0.13 U	0.13 U
	SB-68 (5-7)		5 to 7	0.27 U	0.37 I	0.54 U	0.27 U	0.27 U	0.27 U	0.27 U	0.54 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	2.2 U	0.27 U	0.27 U	0.14 U	0.14 U
SB-69	SB-69 (0-0.5)	6/9/2022	0 to 0.5	0.24 U	0.37 I	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	0.24 U	0.24 U	0.12 U	0.12 U
	SB-69 (0.5-2)		0.5 to 2	0.24 U	0.36 I	0.47 U	0.24 U	0.24 U	0.24 U	0.24 U	0.47 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	0.24 U	0.24 U	0.12 U	0.12 U
	SB-69 (2-4)		2 to 4	0.23 U	0.31 I	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.11 U	0.11 U
	SB-69 (5-7)		5 to 7	0.27 U	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	2.1 U	0.27 U	0.27 U	0.13 U	0.13 U
SB-70	SB-70 (0-0.5)	6/8/2022	0 to 0.5	0.22 U	0.63 I	0.45 U	0.22 U	0.22 U	0.22 U	0.22 U	0.45 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.8 U	0.22 U	0.22 U	0.11 U	0.11 U
	SB-70 (0.5-2)		0.5 to 2	0.21 U	0.98	0.43 U	0.21 U	0.21 U	0.21 U	0.21 U	0.43 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.7 U	0.21 U	0.21 U	0.11 U	0.11 U
	SB-70 (2-4)		2 to 4	0.21 U	0.87	0.41 U	0.21 U	0.21 U	0.21 U	0.21 U	0.41 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.6 U	0.21 U	0.21 U	0.10 U	0.10 U
	SB-70 (5-7)		5 to 7	0.26 U	0.49 I	0.52 U	0.26 U	0.26 U	0.26 U	0.26 U	0.52 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.1 U	0.26 U	0.26 U	0.13 U	0.13 U
	SB-70 (8-10)		8 to 10	0.23 U	0.95	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.11 U	0.11 U
SB-71	SB-71 (0-0.5)	6/8/2022	0 to 0.5	0.24 U	0.31 I	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	0.24 U	0.24 U	0.12 U	0.12 U
	SB-71 (0.5-2)		0.5 to 2	0.20 U	0.60 I	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.6 U	0.20 U	0.20 U	0.099 U	0.099 U
	SB-71 (2-4)		2 to 4	0.25 U	0.61 I	0.49 U	0.25 U	0.25 U	0.25 U	0.25 U	0.49 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	0.25 U	0.25 U	0.12 U	0.12 U
	SB-71 (5-7)		5 to 7	0.23 U	0.43 I	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.12 U	0.12 U
	SB-71 (8-10)		8 to 10	0.25 U	0.25 U	0.51 U	0.25 U	0.25 U	0.25 U	0.25 U	0.51 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	0.25 U	0.25 U	0.13 U	0.13 U
SB-72	SB-72 (0-0.5)	6/8/2022	0 to 0.5	0.23 U	1.1	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.9 U	0.23 U	0.23 U	0.12 U	0.12 U
	SB-72 (0.5-2)		0.5 to 2	0.21 U	0.21 U	0.42 U	0.21 U	0.21 U	0.21 U	0.21 U	0.42 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.7 U	0.21 U	0.38 I	0.11 U	0.11 U
	SB-72 (2-4)		2 to 4	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.11 U	0.11 U
	SB-72 (5-7)		5 to 7	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	0.24 U	0.24 U	0.12 U	0.12 U
	SB-72 (8-10)		8 to 10	0.23 U	0.23 U	0.47 U	0.23 U	0.23 U	0.23 U	0.23 U	0.47 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.9 U	0.23 U	0.23 U	0.12 U	0.12 U
SB-73	SB-73 (0-0.5)	6/7/2022	0 to 0.5	0.22 U	0.39 I	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.8 U	0.22 U	0.51 I	0.11 U	0.11 U
	SB-73 (0.5-2)		0.5 to 2	0.22 U	0.52 I	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.8 U	0.22 U	0.22 U	0.11 U	0.11 U
	SB-73 (2-4)		2 to 4	0.23 U	0.93	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.11 U	0.11 U
	SB-73 (5-7)		5 to 7	0.24 U	0.37 I	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.0 U	0.24 U	0.24 U	0.12 U	0.12 U
SB-74	SB-74 (0-0.5)	6/7/2022	0 to 0.5	0.24 U	3.9	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	0.24 U	0.24 U	0.12 U	0.12 U
	SB-74 (0.5-2)		0.5 to 2	0.22 U	1.6	0.43 U	0.22 U	0.22 U	0.22 U	0.22 U	0.43 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.7 U	0.22 U	0.22 U	0.11 U	0.11 U
	SB-74 (2-4)		2 to 4	0.20 U	0.32 I	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.6 U	0.20 U	0.20 U	0.10 U	0.10 U
	SB-74 (5-7)		5 to 7	0.25 U	0.28 I	0.51 U	0.25 U	0.25 U	0.25 U	0.25 U	0.51 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	0.25 U	0.25 U	0.13 U	0.13 U
	SB-74 (8-10)		8 to 10	0.25 U	0.25 U	0.49 U	0.25 U	0.25 U	0.25 U	0.25 U	0.49 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	0.25 U	0.25 U	0.12 U	0.12 U
SB-75	SB-75 (0-0.5)	6/7/2022	0 to 0.5	0.23 U	1.1	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.11 U	0.11 U
	SB-75 (0.5-2)		0.5 to 2	0.21 U	0.26 I	0.43 U	0.21 U	0.21 U	0.35 I	0.21 U	0.43 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.7 U	0.21 U	0.21 U	0.11 U	0.11 U
	SB-75 (2-4)		2 to 4	0.22 U																	

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replcement	Replacement	Replacement	Replacement	Misc	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional Residential SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-67	SB-67 (0-0.5)	8/16/2021	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	0.11 U	0.22 U	0.22 U	NA	NA	NA	NA	NA	0.88 U
	SB-67 (0.5-2)		0.5 to 2	0.099 U	0.099 U	0.099 U	0.099 U	0.099 U	0.099 U	0.099 U	NA	NA	0.099 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	0.79 U
	SB-67 (2-4)		2 to 4	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	NA	NA	0.11 U	0.23 U	0.23 U	NA	NA	NA	NA	NA	0.92 U
	SB-67 (5-7)		5 to 7	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	NA	NA	0.12 U	0.24 U	0.24 U	NA	NA	NA	NA	NA	0.95 U
	SB-67 (8-10)		8 to 10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NA	NA	0.10 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	0.82 U
SB-68	SB-68 (0-0.5)	6/9/2022	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.92 U
	SB-68 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.23 U	0.47 U	0.23 U	0.23 U	0.23 U	0.23 U	0.94 U
	SB-68 (2-4)		2 to 4	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.26 U	0.51 U	0.26 U	0.26 U	0.26 U	0.26 U	1.0 U
	SB-68 (5-7)		5 to 7	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.27 U	0.27 U	0.54 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U
			SB-69 (0-0.5)	6/9/2022	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U
SB-69 (0.5-2)	0.5 to 2	0.12 U	0.12 U		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.24 U	0.47 U	0.24 U	0.24 U	0.24 U	0.24 U	0.95 U	
SB-69 (2-4)	2 to 4	0.11 U	0.11 U		0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.91 U	
SB-69 (5-7)	5 to 7	0.13 U	0.13 U		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.27 U	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	
SB-70	SB-70 (0-0.5)	6/8/2022	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.45 U	0.22 U	0.22 U	0.22 U	0.22 U	0.90 U
	SB-70 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.21 U	0.21 U	0.43 U	0.21 U	0.21 U	0.21 U	0.21 U	0.85 U
	SB-70 (2-4)		2 to 4	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.21 U	0.21 U	0.41 U	0.21 U	0.21 U	0.21 U	0.21 U	0.82 U
	SB-70 (5-7)		5 to 7	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.26 U	0.52 U	0.26 U	0.26 U	0.26 U	0.26 U	1.0 U
	SB-70 (8-10)		8 to 10	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.23 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.90 U
SB-71	SB-71 (0-0.5)	6/8/2022	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.97 U
	SB-71 (0.5-2)		0.5 to 2	0.099 U	0.099 U	0.099 U	0.099 U	0.099 U	0.099 U	0.099 U	0.099 U	0.099 U	0.099 U	0.20 U	0.20 U	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U	0.79 U
	SB-71 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.25 U	0.49 U	0.25 U	0.25 U	0.25 U	0.25 U	0.98 U
	SB-71 (5-7)		5 to 7	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.92 U
	SB-71 (8-10)		8 to 10	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.25 U	0.25 U	0.51 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U
SB-72	SB-72 (0-0.5)	6/8/2022	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.93 U
	SB-72 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.21 U	0.21 U	0.42 U	0.21 U	0.21 U	0.21 U	0.21 U	0.85 U
	SB-72 (2-4)		2 to 4	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.91 U
	SB-72 (5-7)		5 to 7	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.95 U
			SB-72 (8-10)	8 to 10	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.23 U	0.47 U	0.23 U	0.23 U	0.23 U	0.23 U
SB-73	SB-73 (0-0.5)	6/7/2022	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.88 U
	SB-73 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.88 U
	SB-73 (2-4)		2 to 4	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.23 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.90 U
	SB-73 (5-7)		5 to 7	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.24 U	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U	0.98 U
	SB-74	SB-74 (0-0.5)	6/7/2022	0 to 0.5	0.12 U	0.12 U	0.12 U	0.26 I	0.12 U	0.12 U	0.12 U	0.42 I	0.12 U	0.12 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U
SB-74 (0.5-2)		0.5 to 2		0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.43 U	0.22 U	0.22 U	0.22 U	0.22 U	0.87 U
SB-74 (2-4)		2 to 4		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.20 U	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U	0.80 U
SB-74 (5-7)		5 to 7		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.25 U	0.25 U	0.51 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U
SB-74 (8-10)		8 to 10		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.25 U	0.49 U	0.25 U	0.25 U	0.25 U	0.25 U	0.98 U
SB-75	SB-75 (0-0.5)	6/7/2022	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.91 U
	SB-75 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.21 U	0.21 U	0.43 U	0.21 U	0.21 U	0.21 U	0.21 U	0.86 U
	SB-75 (2-4)		2 to 4	0.11 U	0.11 U	0.															

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFOA	PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS
Class				PFCA	PFSA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5
Provisional Residential SCTL (µg/kg)				1,300	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)				25,000	25,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)				2	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-79	SB-79 (0-0.5)	2/13/2023	0 to 0.5	0.23 U	0.42 I	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.11 U	0.11 U
	SB-79 (0.5-2)		0.5 to 2	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	0.24 U	0.24 U	0.12 U	0.12 U
	SB-79 (2-4)		2 to 4	0.24 U	0.43 I	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	0.24 U	0.24 U	0.12 U	0.12 U
	SB-79 (5-7)		5 to 7	0.26 U	0.38 I	0.53 U	0.26 U	0.26 U	0.26 U	0.26 U	0.53 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.1 U	0.26 U	0.26 U	0.13 U	0.13 U
	SB-79 (8-10)		8 to 10	0.26 U	0.26 U	0.53 U	0.26 U	0.26 U	0.26 U	0.26 U	0.53 UJ	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.1 U	0.26 U	0.26 U	0.13 U	0.13 U
SB-80	SB-80 (0-0.5)	2/13/2023	0 to 0.5	0.22 U	1.2	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.8 U	0.22 U	0.22 U	0.11 U	0.11 U
	SB-80 (0.5-2)		0.5 to 2	0.23 U	1.4	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.11 U	0.11 U
	SB-80 (2-4)		2 to 4	0.24 U	1.5	0.47 U	0.24 U	0.24 U	0.24 U	0.24 U	0.47 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	0.24 U	0.24 U	0.12 U	0.12 U
	SB-80 (5-7)		5 to 7	0.23 U	0.89 I	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.11 U	0.11 U
	SB-80 (8-10)		8 to 10	0.28 U	0.44 I	0.57 U	0.28 U	0.28 U	0.28 U	0.28 U	0.57 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	2.3 U	0.28 U	0.28 U	0.14 U	0.14 U
SB-81	SB-81 (0-0.5)	2/13/2023	0 to 0.5	0.22 U	0.49 I	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.8 U	0.22 U	0.22 U	0.11 U	0.11 U
	SB-81 (0.5-2)		0.5 to 2	0.23 U	1.0	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.11 U	0.11 U
	SB-81 (2-4)		2 to 4	0.24 U	1.5	0.47 U	0.24 U	0.24 U	0.24 U	0.24 U	0.47 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	0.24 U	0.24 U	0.12 U	0.12 U
	SB-81 (5-7)		5 to 7	0.25 U	0.88 I	0.49 U	0.25 U	0.25 U	0.25 U	0.25 U	0.49 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	0.25 U	0.25 U	0.12 U	0.12 U
	SB-81 (8-10)		8 to 10	0.27 U	0.29 I	0.55 U	0.27 U	0.27 U	0.27 U	0.27 U	0.55 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	2.2 U	0.27 U	0.27 U	0.14 U	0.14 U
SB-82	SB-82 (0-0.5)	2/13/2023	0 to 0.5	0.23 U	2.1	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.12 U	0.12 U
	SB-82 (0.5-2)		0.5 to 2	0.24 U	1.5	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	0.24 U	0.24 U	0.12 U	0.12 U
	SB-82 (2-4)		2 to 4	0.23 U	1.6	0.47 U	0.23 U	0.23 U	0.23 U	0.23 U	0.47 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.9 U	0.23 U	0.23 U	0.12 U	0.12 U
	SB-82 (5-7)		5 to 7	0.24 U	2.4	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	0.24 U	0.24 U	0.12 U	0.12 U
	SB-82 (8-10)		8 to 10	0.26 U	0.99 I	0.53 U	0.26 U	0.26 U	0.26 U	0.26 U	0.53 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.1 U	0.26 U	0.26 U	0.13 U	0.13 U
SB-83	SB-83 (0-0.5)	2/13/2023	0 to 0.5	0.25 U	2.3	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	0.25 U	0.25 U	0.13 U	0.13 U
	SB-83 (0.5-2)		0.5 to 2	0.25 U	0.84 I	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	0.25 U	0.25 U	0.12 U	0.12 U
	SB-83 (2-4)		2 to 4	0.23 U	0.33 I	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.12 U	0.12 U
	SB-83 (5-7)		5 to 7	0.27 U	0.39 I	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	2.1 U	0.27 U	0.27 U	0.13 U	0.13 U
	SB-83 (8-10)		8 to 10	0.26 U	0.26 U	0.52 U	0.26 U	0.26 U	0.26 U	0.26 U	0.52 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.1 U	0.26 U	0.26 U	0.13 U	0.13 U
SB-84	SB-84 (0-0.5)	2/15/2023	0 to 0.5	0.22 U	1.5	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.44 U	0.22 U	0.29 I	0.22 U	0.22 U	0.22 U	1.8 U	0.22 U	0.22 U	0.11 U	0.11 U
	SB-84 (0.5-2)		0.5 to 2	0.22 U	0.95	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.8 U	0.22 U	0.22 U	0.11 U	0.11 U
SB-85	SB-85 (0-0.5)	2/15/2023	0 to 0.5	0.27 U	2.5	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	2.1 U	0.27 U	0.27 U	0.13 U	0.13 U
	SB-85 (0.5-2)		0.5 to 2	0.23 U	3.5	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.8 U	0.23 U	0.23 U	0.11 U	0.11 U
SB-86	SB-86 (0-0.5)	2/15/2023	0 to 0.5	0.22 U	0.53 I	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.7 U	0.22 U	0.22 U	0.11 U	0.11 U
	SB-86 (0.5-2)		0.5 to 2	0.22 U	6.9	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.7 U	0.22 U	0.22 U	0.11 U	0.11 U
SB-87	SB-87 (0-0.5)	2/15/2023	0 to 0.5	0.25 U	1.4	0.49 U	0.25 U	0.25 U	0.25 U	0.25 U	0.49 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.0 U	0.25 U	0.25 U	0.12 U	0.12 U
	SB-87 (0.5-2)		0.5 to 2	0.24 U	2.7	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.9 U	0.24 U	0.24 U	0.12 U	0.12 U

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NetFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replacement	Replacement	Replacement	Replacement	Misc	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional Residential SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Industrial SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Provisional Leachability SCTL (µg/kg)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-79	SB-79 (0-0.5)	2/13/2023	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.23 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.90 U
	SB-79 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.95 U
	SB-79 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.96 U
	SB-79 (5-7)		5 to 7	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.26 U	0.53 U	0.26 U	0.26 U	0.26 U	0.26 U	1.1 U
	SB-79 (8-10)		8 to 10	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.26 U	0.53 U	0.26 U	0.26 U	0.26 U	0.26 U	1.1 U
SB-80	SB-80 (0-0.5)	2/13/2023	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.89 U
	SB-80 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.91 U
	SB-80 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.24 U	0.47 U	0.24 U	0.24 U	0.24 U	0.24 U	0.95 U
	SB-80 (5-7)		5 to 7	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.23 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.90 U
	SB-80 (8-10)		8 to 10	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.28 U	0.28 U	0.57 U	0.28 U	0.28 U	0.28 U	0.28 U	1.1 U
SB-81	SB-81 (0-0.5)	2/13/2023	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.89 U
	SB-81 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.23 U	0.23 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.91 U
	SB-81 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.24 U	0.47 U	0.24 U	0.24 U	0.24 U	0.24 U	0.94 U
	SB-81 (5-7)		5 to 7	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.25 U	0.49 U	0.25 U	0.25 U	0.25 U	0.25 U	0.99 U
	SB-81 (8-10)		8 to 10	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.27 U	0.27 U	0.55 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U
SB-82	SB-82 (0-0.5)	2/13/2023	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.92 U
	SB-82 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.96 U
	SB-82 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.23 U	0.47 U	0.23 U	0.23 U	0.23 U	0.23 U	0.93 U
	SB-82 (5-7)		5 to 7	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.97 U
	SB-82 (8-10)		8 to 10	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.26 U	0.53 U	0.26 U	0.26 U	0.26 U	0.26 U	1.1 U
SB-83	SB-83 (0-0.5)	2/13/2023	0 to 0.5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.25 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U
	SB-83 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U
	SB-83 (2-4)		2 to 4	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.23 U	0.23 U	0.46 U	0.23 U	0.23 U	0.23 U	0.23 U	0.92 U
	SB-83 (5-7)		5 to 7	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.27 U	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U
	SB-83 (8-10)		8 to 10	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.26 U	0.52 U	0.26 U	0.26 U	0.26 U	0.26 U	1.0 U
SB-84	SB-84 (0-0.5)	2/15/2023	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.88 U
	SB-84 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.88 U
SB-85	SB-85 (0-0.5)	2/15/2023	0 to 0.5	0.13 U	0.13 U	0.13 U	0.39 I	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.27 U	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U
	SB-85 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.33 I	0.11 U	0.11 U	0.11 U	0.18 I	0.11 U	0.11 U	0.23 U	0.23 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.91 U
SB-86	SB-86 (0-0.5)	2/15/2023	0 to 0.5	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.87 U
	SB-86 (0.5-2)		0.5 to 2	0.11 U	0.11 U	0.11 U	0.28 I	0.11 U	0.11 U	0.11 U	0.44	0.11 U	0.11 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U	0.22 U	0.87 U
SB-87	SB-87 (0-0.5)	2/15/2023	0 to 0.5	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.25 U	0.25 U	0.49 U	0.25 U	0.25 U	0.25 U	0.25 U	0.99 U
	SB-87 (0.5-2)		0.5 to 2	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.96 U

TABLE 3: SOIL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

- Notes:**
1. Results and screening criteria are presented in micrograms per kilogram (µg/kg).
 2. ft BLS indicates feet below land surface.
 3. U indicates that the compound was analyzed for but not detected (the laboratory method detection limit (MDL) is shown).
 4. I indicates the result is between the laboratory MDL and the practical quantitation limit.
 5. J indicates an estimated value and/or the analysis did not meet established quality control criteria.
 6. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample.
 7. Grey shaded, bold text indicates an exceedance of the FDEP Provisional Leachability SCTL.
 8. "-" indicates no screening criteria.
 9. NA indicates constituent was not analyzed for.
 10. PFAS indicates per- and polyfluoroalkyl substances.
 11. PFCA indicates perfluoroalkyl carboxylic acids.
 12. PFSA indicates perfluoroalkane sulfonic acids.
 13. * indicates the analyte contains multiple perfluorinated sections.

Analyte	Acronym	Class	Carbon Chain Length
Perfluorooctanic acid	PFOA	PFCA	8
Perfluorooctane sulfonate	PFOS	PFSA	8
Perfluorobutanoic acid	PFBA	PFCA	4
Perfluoropentanoic acid	PFPeA	PFCA	5
Perfluorohexanoic acid	PFHxA	PFCA	6
Perfluoroheptanoic acid	PFHpA	PFCA	7
Perfluorononanoic acid	PFNA	PFCA	9
Perfluorodecanoic acid	PFDA	PFCA	10
Perfluoroundecanoic acid	PFUnA	PFCA	11
Perfluorododecanoic acid	PFDoA	PFCA	12
Perfluorotridecanoic Acid	PFTriA	PFCA	13
Perfluorotetradecanoic acid	PFTeA	PFCA	14
4:2 Fluorotelomer sulfonate	4:2 FTS	PFCA Precursor	4
6:2 Fluorotelemer sulfonate	6:2 FTS	PFCA Precursor	6
8:2 Fluorotelemer sulfonate	8:2 FTS	PFCA Precursor	8
Perfluoropropanesulfonic acid	PFPrS	PFSA	3
Perfluorobutanesulfonic acid	PFBS	PFSA	4
Perfluoropentanesulfonic acid	PFPeS	PFSA	5
Perfluorohexanesulfonic acid	PFHxS	PFSA	6
Perfluoroheptanesulfonic acid	PFHpS	PFSA	7
Perfluorononanesulfonic acid	PFNS	PFSA	9
Perfluorodecanesulfonic acid	PFDS	PFSA	10
Perfluoro-1-butane sulfonamide	FBSA	PFSA Precursor	4
Perfluoro-1-hexane sulfonamide	FHxSA	PFSA Precursor	6
Perfluorooctane Sulfonamide	FOSA	PFSA Precursor	8
N-ethylperfluorooctanesulfonamidoacetic acid	NEtFOSAA	PFSA Precursor	8
N-methylperfluorooctanesulfonamidoacetic acid	NMeFOSAA	PFSA Precursor	8
4,8-Dioxa-3H-perfluorononanoic acid	ADONA	Replacement	*
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	Replacement	*
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS	Replacement	*
Hexafluoropropylene oxide dimer acid	HFPO-DA	Replacement	*
Perfluoro-3-methoxypropanoic acid	PFMPA	Misc.	*
Perfluoro-4-methoxybutanoic acid	PFMBA	Misc.	*
Perfluoro-4-ethylcyclohexanesulfonic acid	PFECHS	Misc.	*
Perfluoro(2-ethoxyethane)sulfonic acid	PFEESA	Misc.	*
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	Misc.	*

TABLE 4: WELL CONSTRUCTION DETAILS
Indian River State College (ERIC_7410)

Well ID	Date Installed	Installation Method	Type	Top of Casing Elevation (ft NAVD 88)	Total Depth (ft BLS)	Screened Interval (ft BLS)	Well Diameter (inches)	Lithology of Screened Interval		
DEPMW-1 (5-15')	2/12/2020	HSA	Permanent	12.77	15	5 - 15	2	Silty sand		
DEPMW-2 (7-17')	2/13/2020			12.76	17	7 - 17				
DEPMW-3 (7-17')				12.08						
DEPMW-4 (7-17')	2/15/2020			13.87					15	5 - 15
DEPMW-5 (5-15')	2/12/2020			11.83	17	7 - 17				
DEPMW-6 (7-17')				11.60						
DEPMW-7 (5-15')				12.90					15	5 - 15
DEPMW-8 (7-17')	2/13/2020			13.45	17	7 - 17		Sand with silt		
DEPMW-9 (7-17')	2/12/2020			12.61						
DEPMW-10 (5-15')	2/13/2020			12.43	15	5 - 15				
DEPMW-11 (5-15')				11.06						
DEPMW-12 (5-15')				12.74						
DEPMW-13 (40-50')	3/3/2020	12.71		50	40 - 50	Sand, limestone				
DEPMW-14 (40-50')		11.25								
DEPMW-15 (40-50')	3/4/2020	13.99								
DEPMW-16 (40-50')	3/2/2020	11.54								
DEPMW-17 (40-50')	3/4/2020	13.47		48	38 - 48					
DEPMW-18 (38-48')	3/3/2020	12.52						50	40 - 50	
DEPMW-19 (40-50')	3/4/2020	12.84		17	7 - 17			Sand		
DEPMW-20 (7-17')	9/2/2020	12.53								
DEPMW-21 (7-17')	9/3/2020	12.66								
DEPMW-22 (7-17')	9/4/2020	15.52								
DEPMW-23 (7-17')	9/8/2020	15.22								
DEPMW-24 (7-17')	9/9/2020	13.26								
DEPMW-25 (7-17')	9/10/2020	13.99				Sand, clayey sand				
DEPMW-26 (7-17')		13.60						Clayey sand, sand		
DEPMW-27 (7-17')		17.97								
DEPMW-28 (7-17')		14.53								

TABLE 4: WELL CONSTRUCTION DETAILS
Indian River State College (ERIC_7410)

Well ID	Date Installed	Installation Method	Type	Top of Casing Elevation (ft NAVD 88)	Total Depth (ft BLS)	Screened Interval (ft BLS)	Well Diameter (inches)	Lithology of Screened Interval
DEPMW-29 (9-19')	9/11/2020	Sonic	Permanent	14.05	19	9 - 19	2	Clayey sand, sand
DEPMW-30 (7-17')				12.75	17	7 - 17		
DEPMW-31 (40-50')	9/2/2020			12.56	50	40 - 50		Sandy limestone
DEPMW-32 (40-50')	9/3/2020			12.77				
DEPMW-33 (40-50')	9/4/2020			15.61				
DEPMW-34 (40-50')	9/8/2020			13.89				
DEPMW-35 (40-50')				15.05				
DEPMW-36 (40-50')	9/9/2020			13.16				
DEPMW-37 (40-50')				13.95				
DEPMW-38 (90-110')	9/1/2020			11.42	110	90 - 110		Sandy limestone, sand with silt, clayey sand
DEPMW-39 (7-17')	6/15/2022			16.85	17	7 - 17		Clayey sand, sand
DEPMW-40 (7-17')	6/13/2022			12.55				Sand
DEPMW-41 (7-17')	6/16/2022			11.82	35	25 - 35		Clayey sand
DEPMW-42 (25-35')	6/13/2022			14.32				Sand, silty sand
DEPMW-43 (40-50')	6/15/2022			17.03	50	40 - 50		Sand
DEPMW-44 (40-50')	6/16/2022			11.92				Clayey sand
DEPMW-45 (120-140')	6/14/2022			16.98	140	120 - 140		Clay
DEPMW-46 (120-140')	6/10/2022			14.41				Silty sand, sandy silt
DEPMW-47 (110-130')	6/9/2022			11.63	130	110 - 130		Silty sand, sandy clay
DEPMW-48 (151-171')	6/8/2022			11.88	171	151 - 171		Clay, sandy clay, clayey sand
DEPMW-49 (7-17')	2/15/2023	DPT		13.48	17	7-17	1	Not collected
DEPMW-50 (7-17')	2/16/2023			12.47				
DEPMW-51 (7-17')				13.03				
DEPMW-52 (7-17')	2/13/2023			10.59				
DEPMW-53 (7-17')	2/15/2023			16.86				
DEPMW-54 (7-17')				15.49				
DEPMW-55 (7-17')	2/14/2023			14.87				

TABLE 4: WELL CONSTRUCTION DETAILS
Indian River State College (ERIC_7410)

Well ID	Date Installed	Installation Method	Type	Top of Casing Elevation (ft NAVD 88)	Total Depth (ft BLS)	Screened Interval (ft BLS)	Well Diameter (inches)	Lithology of Screened Interval
DEPMW-56 (7-17')	2/14/2023	DPT	Permanent	13.75	17	7-17	1	Not collected
DEPMW-57 (7-17')				15.30				
DEPMW-58 (25-35')				13.86	35	25-35		
DEPMW-59 (40-50')	2/15/2023			15.11	50	40-50		
DEPMW-60 (40-50')				17.05				
DEPMW-61 (40-50')				14.88				
DEPMW-62 (110-130')	2/20/2023			Sonic	14.60	130	110-130	2
TMW-1 (5-20')	6/5/2019	DPT	Temporary	NM	20	5-20	1	Not collected
TMW-2 (5-20')								

Notes:

1. ft NAVD 88 indicates feet North American Vertical Datum 1988.
2. ft BLS indicates feet below land surface.
3. HSA indicates hollow stem auger.
4. DPT indicates direct push technology.

TABLE 5: GROUNDWATER ELEVATION SUMMARY
Indian River State College (ERIC_7410)

Well ID	DEPMW-1 (5-15')		DEPMW-2 (7-17')		DEPMW-3 (7-17')		DEPMW-4 (7-17')		DEPMW-5 (5-15')	
Diameter (inches)	2		2		2		2		2	
Total Depth (ft BTOC)	15		17		17		17		15	
Screen Interval (ft BTOC)	5-15		7-17		7-17		7-17		5-15	
TOC Elevation (ft NAVD)	12.77		12.76		12.08		13.87		11.83	
DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
3/9/2020	2.94	9.83	2.28	10.48	1.79	10.29	4.60	9.27	3.93	7.90
9/21/2020	5.68	7.09	2.34	10.42	3.66	8.42	7.40	6.47	6.82	5.01
9/14/2021	5.60	7.17	4.60	8.16	3.88	8.20	7.90	5.97	6.38	5.45
6/20/2022	6.49	6.28	3.67	9.09	2.66	9.42	5.92	7.95	5.24	6.59
2/27/2023	3.43	9.34	2.66	10.10	2.77	9.31	5.23	8.64	4.46	7.37

Well ID	DEPMW-6 (7-17')		DEPMW-7 (5-15')		DEPMW-8 (7-17')		DEPMW-9 (7-17')		DEPMW-10 (5-15')	
Diameter (inches)	2		2		2		2		2	
Total Depth (ft BTOC)	17		15		17		17		15	
Screen Interval (ft BTOC)	7-17		5-15		7-17		7-17		5-15	
TOC Elevation (ft NAVD)	11.60		12.90		13.45		12.61		12.43	
DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
3/9/2020	4.10	7.50	3.83	9.07	1.99	11.46	4.62	7.99	4.49	7.94
9/21/2020	7.32	4.28	6.42	6.48	3.87	9.58	7.48	5.13	7.43	5.00
9/14/2021	6.38	5.22	5.82	7.08	3.83	9.62	6.81	5.80	6.79	5.64
6/20/2022	5.41	6.19	5.02	7.88	2.66	10.79	5.84	6.77	5.75	6.68
2/27/2023	5.92	5.68	4.20	8.70	1.86	11.59	5.12	7.49	5.08	7.35

Well ID	DEPMW-11 (5-15')		DEPMW-12 (5-15')		DEPMW-13 (40-50')		DEPMW-14 (40-50')		DEPMW-15 (40-50')	
Diameter (inches)	2		2		2		2		2	
Total Depth (ft BTOC)	15		15		50		50		50	
Screen Interval (ft BTOC)	5-15		5-15		40-50		40-50		40-50	
TOC Elevation (ft NAVD)	11.06		12.74		12.71		11.25		13.99	
DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
3/9/2020	4.17	6.89	3.54	9.20	3.66	9.05	2.97	8.28	4.50	9.49
9/21/2020	7.08	3.98	6.61	6.13	6.39	6.32	5.51	5.74	7.63	6.36
9/14/2021	6.30	4.76	5.89	6.85	6.05	6.66	5.15	6.10	7.16	6.83
6/20/2022	5.30	5.76	5.03	7.71	5.04	7.67	4.15	7.10	5.93	8.06
2/27/2023	4.67	6.39	3.95	8.79	4.21	8.50	3.35	7.90	5.10	8.89

Well ID	DEPMW-16 (40-50')		DEPMW-17 (40-50')		DEPMW-18 (38-48')		DEPMW-19 (40-50')		DEPMW-20 (7-17')	
Diameter (inches)	2		2		2		2		2	
Total Depth (ft BTOC)	50		50		48		50		17	
Screen Interval (ft BTOC)	40-50		40-50		38-48		40-50		7-17	
TOC Elevation (ft NAVD)	11.54		13.47		12.52		12.84		12.53	
DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
3/9/2020	4.44	7.10	3.75	9.72	4.42	8.10	4.06	8.78	Installed Sept 2020	
9/21/2020	6.78	4.76	6.36	7.11	7.65	4.87	6.77	6.07	5.40	7.13
9/14/2021	6.79	4.75	5.85	7.62	6.89	5.63	6.20	6.64	5.15	7.38
6/20/2022	5.78	5.76	4.90	8.57	5.71	6.81	5.23	7.61	3.82	8.71
2/27/2023	4.96	6.58	4.10	9.37	4.98	7.54	4.44	8.40	2.91	9.62

Well ID	DEPMW-21 (7-17')		DEPMW-22 (7-17')		DEPMW-23 (7-17')		DEPMW-24 (7-17')		DEPMW-25 (7-17')	
Diameter (inches)	2		2		2		2		2	
Total Depth (ft BTOC)	17		17		17		17		17	
Screen Interval (ft BTOC)	7-17		7-17		7-17		7-17		7-17	
TOC Elevation (ft NAVD)	12.66		15.52		15.22		13.26		13.99	
DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
9/21/2020	8.67	3.99	11.24	4.28	10.23	4.99	8.46	4.80	5.16	8.83
9/14/2021	7.72	4.94	10.66	4.86	10.27	4.95	7.56	5.70	6.09	7.90
6/20/2022	6.50	6.16	8.78	6.74	8.54	6.68	6.40	6.86	5.61	8.38
2/27/2023	5.69	6.97	7.60	7.92	7.71	7.51	5.85	7.41	4.37	9.62

Well ID	DEPMW-26 (7-17')		DEPMW-27 (7-17')		DEPMW-28 (7-17')		DEPMW-29 (9-19')		DEPMW-30 (7-17')	
Diameter (inches)	2		2		2		2		2	
Total Depth (ft BTOC)	17		17		17		19		17	
Screen Interval (ft BTOC)	7-17		7-17		7-17		9-19		7-17	
TOC Elevation (ft NAVD)	13.60		17.97		14.53		14.05		12.75	
DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
9/21/2020	2.73	10.87	5.98	11.99	7.65	6.88	2.48	11.57	2.33	10.42
9/14/2021	3.31	10.29	6.67	11.30	8.48	6.05	2.53	11.52	2.95	9.80
6/20/2022	2.16	11.44	6.21	11.76	7.55	6.98	1.52	12.53	1.37	11.38
2/27/2023	1.22	12.38	5.07	12.90	6.45	8.08	0.76	13.29	0.62	12.13

TABLE 5: GROUNDWATER ELEVATION SUMMARY
Indian River State College (ERIC_7410)

Well ID	DEPMW-31 (40-50')		DEPMW-32 (40-50')		DEPMW-33 (40-50')		DEPMW-34 (40-50')		DEPMW-35 (40-50')	
Diameter (inches)	2		2		2		2		2	
Total Depth (ft BTOC)	50		50		50		50		50	
Screen Interval (ft BTOC)	40-50		40-50		40-50		40-50		40-50	
TOC Elevation (ft NAVD)	12.56		12.77		15.61		13.89		15.05	
DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
9/21/2020	6.32	6.24	8.20	4.57	10.83	4.78	9.33	4.56	9.80	5.25
9/14/2021	5.83	6.73	7.32	5.45	10.18	5.43	8.81	5.08	9.47	5.58
6/20/2022	4.94	7.62	6.26	6.51	8.55	7.06	7.56	6.33	8.26	6.79
2/27/2023	4.04	8.52	5.39	7.38	7.43	8.18	6.68	7.21	7.26	7.79

Well ID	DEPMW-36 (40-50')		DEPMW-37 (40-50')		DEPMW-38 (90-110')		DEPMW-39 (7-17')		DEPMW-40 (7-17')	
Diameter (inches)	2		2		2		2		2	
Total Depth (ft BTOC)	50		50		110		17		17	
Screen Interval (ft BTOC)	40-50		40-50		90-110		7-17		7-17	
TOC Elevation (ft NAVD)	13.16		13.95		11.42		16.85		12.55	
DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
9/21/2020	8.32	4.84	6.87	7.08	8.16	3.26	Installed June 2022		Installed June 2022	
9/14/2021	7.54	5.62	6.55	7.40	7.53	3.89				
6/20/2022	6.40	6.76	5.61	8.34	6.56	4.86	10.18	6.67	6.67	5.88
2/27/2023	5.59	7.57	4.80	9.15	4.41	7.01	9.02	7.83	5.54	7.01

Well ID	DEPMW-41 (7-17')		DEPMW-42 (25-35')		DEPMW-43 (40-50')		DEPMW-44 (40-50')		DEPMW-45 (120-140')	
Diameter (inches)	2		2		2		2		2	
Total Depth (ft BTOC)	17		35		50		50		140	
Screen Interval (ft BTOC)	7-17		25-35		40-50		40-50		120-140	
TOC Elevation (ft NAVD)	11.82		14.32		17.03		11.92		16.98	
DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
6/20/2022	5.61	6.21	8.78	5.54	9.84	7.19	5.08	6.84	8.05	8.93
2/27/2023	4.67	7.15	7.67	6.65	8.65	8.38	4.43	7.49	7.04	9.94

Well ID	DEPMW-46 (120-140')		DEPMW-47 (110-130')		DEPMW-48 (151-171')		DEPMW-49 (7-17')		DEPMW-50 (7-17')	
Diameter (inches)	2		2		2		1		1	
Total Depth (ft BTOC)	140		130		171		17		17	
Screen Interval (ft BTOC)	120-140		110-130		151-171		7-17		7-17	
TOC Elevation (ft NAVD)	14.41		11.63		11.88		13.48		12.47	
DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
6/20/2022	6.40	8.01	6.57	5.06	7.06	4.82	Installed Feb 2023		Installed Feb 2023	
2/27/2023	5.64	8.77	5.74	5.89	6.49	5.39	1.13	12.35	5.66	6.81

Well ID	DEPMW-51 (7-17')		DEPMW-52 (7-17')		DEPMW-53 (7-17')		DEPMW-54 (7-17')		DEPMW-55 (7-17')	
Diameter (inches)	2		2		2		1		1	
Total Depth (ft BTOC)	140		130		171		17		17	
Screen Interval (ft BTOC)	7-17		7-17		7-17		7-17		7-17	
TOC Elevation (ft NAVD)	13.03		10.59		16.86		15.49		14.87	
DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
2/27/2023	6.72	6.31	0.64	9.95	8.40	8.46	7.36	8.13	10.62	4.25

Well ID	DEPMW-56 (7-17')		DEPMW-57 (7-17')		DEPMW-58 (25-35')		DEPMW-59 (40-50')		DEPMW-60 (40-50')	
Diameter (inches)	2		2		2		1		1	
Total Depth (ft BTOC)	140		130		171		17		17	
Screen Interval (ft BTOC)	7-17		7-17		25-35		40-50		40-50	
TOC Elevation (ft NAVD)	13.75		15.30		13.86		15.11		17.05	
DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
2/27/2023	7.70	6.05	9.85	5.45	7.76	6.10	7.19	7.92	8.37	8.68

Well ID	DEPMW-61 (40-50')		DEPMW-62 (110-130')		SG-1		SG-2	
Diameter (inches)	2		2		--		--	
Total Depth (ft BTOC)	140		130		--		--	
Screen Interval (ft BTOC)	40-50		110-130		--		--	
TOC Elevation (ft NAVD)	14.88		14.60		--		--	
DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	
9/14/2021	Installed Feb 2023		Installed Feb 2023		1.77		Installed June 2022	
6/20/2022					0.60			
2/27/2023	6.63	8.25	6.17	8.43	Dry		0.81	

Notes:

1. DTW indicates depth to groundwater measured in feet below top of casing (ft BTOC).
2. ELEV indicates groundwater elevation in feet relative to feet North American Vertical Datum 1988 (ft NAVD 88).
3. ft BLS indicates feet below land surface.
4. Top of casing (TOC) elevations are relative to ft NAVD 88.

TABLE 6: SCREEN POINT GROUNDWATER ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFOA	PFOS	PFOA+PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS
Class				PFCA	PFSA	N/A	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	N/A	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5
Provisional GCTL (ng/L)				70	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-1	SP-1 (11-15)	7/15/2020	11 to 15	1.0 U	4.6 I	4.6	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	0.40 U	0.40 U
	SP-1 (26-30)		26 to 30	15	140	155	NA	19	2.0 U	4.6 I	1.0 U	2.1 I	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	0.88 I	0.40 U
	SP-1 (41-45)		41 to 45	1.0 U	2.0 U	3.0 U	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	0.40 U	0.40 U
SP-2	SP-2 (13-17)	7/15/2020	13 to 17	52	2,900	2,952	NA	130	83	91	52	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	7.0 I	2.0 U	NA	9.7	8.2
	SP-2 (26-30)	7/16/2020	26 to 30	9.8	140	149.8	NA	7.4 I	5.8 I	5.0 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	1.1 I	0.56 I
	SP-2 (41-45)	7/15/2020	41 to 45	2.1 I	15	17.1	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.5	1.6
SP-3	SP-3 (13-17)	7/16/2020	13 to 17	42	280	322	NA	1,400	510	210	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	16	2.1
	SP-3 (26-30)		26 to 30	1.0 U	2.0 U	3.0 U	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	0.40 U	0.40 U
	SP-3 (41-45)		41 to 45	1.0 U	2.0 U	3.0 U	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	0.40 U	0.40 U
	SP-3 (41-45) (DUP)			1.0 U	2.0 U	3.0 U	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	0.40 U	0.40 U
SP-4	SP-4 (11-15)	7/15/2020	11 to 15	80	770	850	NA	260	170	160	40	1.2 I	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	14	20
	SP-4 (26-30)		26 to 30	6.6	19	25.6	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.0	2.1
	SP-4 (41-45)		41 to 45	1.0 U	2.0 U	3.0 U	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	1.8	1.5 I
SP-5	SP-5 (11-15)	7/20/2020	11 to 15	11	64	75	NA	4.1 I	3.0 I	2.9 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	9.4 I	2.0 U	NA	2.7	0.40 U
	SP-5 (26-30)		26 to 30	12	9.1	21.1	NA	4.0 U	3.2 I	2.8 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	12 I	2.0 U	NA	7.3	9.5
	SP-5 (41-45)		41 to 45	11	15	26	NA	4.0 U	5.2 I	2.5 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	13	17
SP-6	SP-6 (13-17)	7/16/2020	13 to 17	1.0 U	7.4 I	7.4	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	4.7	0.40 U
	SP-6 (26-30)		26 to 30	39	90	129	NA	11 I	10	8.3	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	6.0 I	2.0 U	NA	4.3	3.3
	SP-6 (41-45)		41 to 45	24	33	57	NA	4.0 U	4.0 U	5.4 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	5.1 I	2.0 U	NA	6.2	6.1
SP-7	SP-7 (11-15)	7/16/2020	11 to 15	1.0 U	10 I	10	NA	40	18	2.4 I	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	0.40 UJ	0.40 UJ	10 U	20 U	10 U	NA	2.0 U	2.0 U
	SP-7 (11-15) (DUP)			1.0 U	10 I	10	NA	40	20	2.5 I	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	0.40 UJ	0.40 UJ	10 U	20 U	10 U	NA	2.0 U	2.0 U
	SP-7 (26-30)		26 to 30	32	110	142	NA	11 I	7.2 I	8.4	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 UJ	4.0 UJ	2.0 U	NA	4.5	2.2
	SP-7 (41-45)		41 to 45	41	16	57	NA	4.0 U	6.7 I	6.7 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	6.8	7.1
SP-8	SP-8 (11-15)	7/17/2020	11 to 15	15	110	125	NA	9.8 I	9.8	10	2.4 I	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	11 I	2.0 U	NA	1.2 I	0.86 I
	SP-8 (26-30)		26 to 30	3.8 I	140	143.8	NA	4.0 U	3.4 I	2.9 I	1.2 I	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	9.2 I	2.0 U	NA	0.40 U	0.40 U
	SP-8 (41-45)		41 to 45	35	84	119	NA	4.0 U	3.6 I	5.1 I	1.3 I	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	11 I	2.0 U	NA	2.6	4.0
SP-9	SP-9 (11-15)	7/16/2020	11 to 15	7.6	75	82.6	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	4.7	1.0 I
	SP-9 (26-30)		26 to 30	13	230	243	NA	4.4 I	2.0 U	2.5 I	1.1 I	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	1.2 I	0.55 I
	SP-9 (41-45)		41 to 45	11	160	171	NA	4.0 U	2.0 U	3.0 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	1.2 I	0.73 I
SP-10	SP-10 (11-15)	7/16/2020	11 to 15	3.6 I	83	86.6	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	3.2	0.61 I
	SP-10 (26-30)		26 to 30	5.6	120	125.6	NA	4.2 I	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.3	0.59 I
	SP-10 (41-45)		41 to 45	8.1	130	138.1	NA	4.0 U	2.0 U	2.4 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.5	0.63 I
SP-11	SP-11 (11-15)	7/17/2020	11 to 15	44	170	214	NA	26	24	16	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	12 IJ	2.0 U	NA	4.1	0.40 U
	SP-11 (26-30)		26 to 30	4.3	37	41.3	NA	4.0 U	2.0 I	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	1.8	0.40 U
	SP-11 (41-45)		41 to 45	9.1	77	86.1	NA	4.0 U	2.1 I	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	1.2 I	1.0 I
SP-12	SP-12 (11-15)	7/17/2020	11 to 15	3.3 I	170	173.3	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	1.7	0.40 U
	SP-12 (26-30)		26 to 30	3.9 I	35	38.9	NA	4.2 I	3.7 I	2.2 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.41 I	2.0 U	4.0 U	2.0 U	NA	10	0.42 I
	SP-12 (41-45)		41 to 45	9.3	46	55.3	NA	7.6 I	5.4 I	3.1 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	1.8	1.5 I
SP-13	SP-13 (11-15)	7/17/2020	11 to 15	13	130	143	NA	10 I	10	4.5 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	4.5	0.91 I
	SP-13 (26-30)		26 to 30	15	37	52	NA	4.0 U	2.0 U	2.3 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	3.0	2.1
	SP-13 (26-30) (DUP)			13	42	55	NA	4.0 U	2.1 I	2.0 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	3.0	2.4
	SP-13 (41-45)		41 to 45	13	71	84	NA	4.0 U	3.1 I	2.4 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U</							

TABLE 6: SCREEN POINT GROUNDWATER ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replacement	Replacement	Replacement	Replacement	Misc.	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional GCTL (ng/L)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-1	SP-1 (11-15)	7/15/2020	11 to 15	1.7	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-1 (26-30)		26 to 30	8.0	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-1 (41-45)		41 to 45	0.40 U	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SP-2	SP-2 (13-17)	7/15/2020	13 to 17	140	5.7	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-2 (26-30)	7/16/2020	26 to 30	10	1.1 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-2 (41-45)	7/15/2020	41 to 45	6.3	0.59 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SP-3	SP-3 (13-17)	7/16/2020	13 to 17	17	2.0	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-3 (26-30)		26 to 30	0.40 U	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-3 (41-45)		41 to 45	0.40 U	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-3 (41-45) (DUP)			0.40 U	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SP-4	SP-4 (11-15)	7/15/2020	11 to 15	250	8.0	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-4 (26-30)		26 to 30	7.9	0.56 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-4 (41-45)		41 to 45	5.0	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SP-5	SP-5 (11-15)	7/20/2020	11 to 15	4.1	1.2 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-5 (26-30)		26 to 30	30	1.9	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-5 (41-45)		41 to 45	38	1.7	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SP-6	SP-6 (13-17)	7/16/2020	13 to 17	1.0 I	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
	SP-6 (26-30)		26 to 30	18	6.1	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
	SP-6 (41-45)		41 to 45	24	4.4	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
SP-7	SP-7 (11-15)	7/16/2020	11 to 15	2.0 U	2.0 U	2.0 U	2.0 U	NA	NA	NA	2.0 U	2.0 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-7 (11-15) (DUP)			2.0 U	2.0 U	2.0 U	2.0 U	NA	NA	NA	2.0 U	2.0 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-7 (26-30)		26 to 30	12	4.6	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
	SP-7 (41-45)		41 to 45	34	4.5	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
SP-8	SP-8 (11-15)	7/17/2020	11 to 15	13	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-8 (26-30)		26 to 30	2.3	0.43 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-8 (41-45)		41 to 45	20	7.2	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SP-9	SP-9 (11-15)	7/16/2020	11 to 15	4.9	2.0	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
	SP-9 (26-30)		26 to 30	3.5	1.4 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
	SP-9 (41-45)		41 to 45	4.7	2.0	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
SP-10	SP-10 (11-15)	7/16/2020	11 to 15	3.1	0.51 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
	SP-10 (26-30)		26 to 30	3.4	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
	SP-10 (41-45)		41 to 45	4.4	1.1 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
SP-11	SP-11 (11-15)	7/17/2020	11 to 15	4.3	1.9	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-11 (26-30)		26 to 30	2.8	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-11 (41-45)		41 to 45	6.0	1.3 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SP-12	SP-12 (11-15)	7/17/2020	11 to 15	1.5 I	2.3	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
	SP-12 (26-30)		26 to 30	3.4	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
	SP-12 (41-45)		41 to 45	9.9	2.1	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
SP-13	SP-13 (11-15)	7/17/2020	11 to 15	5.0	1.5 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
	SP-13 (26-30)		26 to 30	10	2.4	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
	SP-13 (26-30) (DUP)			9.5	2.2	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 UJ	NA	NA	NA	NA	NA
	SP-13 (41-45)		41 to 45	11	3.1	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SP-14	SP-14 (11-15)	7/20/2020	11 to 15	11	1.8	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-14 (26-30)		26 to 30	11	1.1 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-14 (41-45)		41 to 45	7.9	1.1 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SP-15	SP-15 (11-15)	7/14/2020	11 to 15	8.9	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.53 I	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-15 (26-30)		26 to 30	6.9	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-15 (41-45)		41 to 45	0.40 U	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SP-16	SP-16 (11-15)	7/14/2020	11 to 15	5.8	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-16 (26-30)		26 to 30	0.40 U	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-16 (41-45)		41 to 45	1.5 I	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	2.0 I	NA	NA	NA	NA	NA
SP-17	SP-17 (11-15)	7/14/2020	11 to 15	12	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-17 (26-30)		26 to 30	5.3	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-17 (41-45)		41 to 45	3.8	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SP-18	SP-18 (11-15)	7/14/2020	11 to 15	5.7	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-18 (26-30)	7/15/2020	26 to 30	1.2 I	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-18 (41-45)		41 to 45	0.96 I	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA

TABLE 6: SCREEN POINT GROUNDWATER ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFOA	PFOS	PFOA+PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDaA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPoS	PFBS	PFPeS
Class				PFCA	PFSA	N/A	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	N/A	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5
Provisional GCTL (ng/L)				70	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-19	SP-19 (11-15)	7/21/2020	11 to 15	1,300	16,000	17,300	NA	9,100	7,300	2,600	270	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	21	14,000	13	NA	1,700	1,800
	SP-19 (16-20)		16 to 20	300	5,000	5,300	NA	2,300	1,600	690	76	1.0 I	1.0 U	1.0 U	0.40 U	0.40 U	2.9 I	3,400 I	9.7	NA	300	320
	SP-19 (16-20) (DUP)			270	5,000	5,270	NA	1,900	1,400	610	76	1.8 I	1.0 U	1.0 U	0.40 U	0.40 U	2.5 I	3,800 I	9.8	NA	290	310
	SP-19 (21-25)		21 to 25	14	170	184	NA	15 I	10	13	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	4.3	2.3
	SP-19 (26-30)		26 to 30	11	43	54	NA	4.0 U	2.1 I	3.0 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	6.9	6.2
	SP-19 (31-35)		31 to 35	10	58	68	NA	6.8 I	5.2 I	4.4 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	16	2.0 U	NA	8.2	7.6
	SP-19 (36-40)		36 to 40	8.5	45	53.5	NA	4.0 U	2.0 U	2.4 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	5.1	4.7
	SP-19 (36-40) (DUP)			10	48	58	NA	4.0 U	2.0 U	2.4 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	6.0	5.2
SP-20	SP-19 (41-45)	7/20/2020	41 to 45	7.5	33	40.5	NA	4.0 U	2.0 U	2.0 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	5.4	4.4
	SP-20 (11-15)		11 to 15	17	110	127	NA	22	16	19	7.1	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	16	3.9 I	NA	2.0	1.2 I
	SP-20 (16-20)		16 to 20	8.9	120	128.9	NA	5.5 I	5.0 I	4.5 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	11 I	2.0 U	NA	2.9	1.2 I
	SP-20 (21-25)		21 to 25	11	58	69	NA	4.0 U	2.0 U	2.6 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	12 I	2.0 U	NA	2.2	3.4
	SP-20 (26-30)		26 to 30	16	54	70	NA	4.0 U	2.6 I	5.5 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	4.2	4.4
	SP-20 (31-35)		31 to 35	12	59	71	NA	4.0 U	2.0 U	2.9 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	3.3	3.6
	SP-20 (31-35) (DUP)		31 to 35	9.7	51	60.7	NA	4.0 U	2.0 U	2.9 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.9	3.1
	SP-20 (36-40)	7/21/2020	36 to 40	11	67	78	NA	4.0 U	2.3 I	3.0 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.6	2.8
SP-20 (41-45)	41 to 45		12	62	74	NA	4.0 U	2.0 U	2.5 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.9	3.3	
SP-21	SP-20 (41-45) (DUP)	9/2/2021	46 to 50	15	58	73	NA	4.0 U	2.0 U	3.1 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.8	3.3
	SP-21 (46-50)			18	110	128	4.0 U	2.0 U	3.4 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.0	1.4 I
	SP-21 (46-50) (DUP)		17	110	127	4.0 U	2.0 U	3.4 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.1	1.5 I
	SP-21 (56-60)		56 to 60	21	99	120	4.0 U	4.4 I	5.3 I	5.5 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.5	1.7
	SP-21 (66-70)		66 to 70	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.82 I	0.69 I
	SP-21 (76-80)	76 to 80	5.9 I	34	39.9	4.0 U	2.7 I	2.5 I	2.1 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.98 I	0.62 I	
	SP-21 (86-90)	86 to 90	10	84	94	4.0 U	3.1 I	3.1 I	6.0 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.3	1.4 I	
	SP-21 (96-100)	9/10/2021	96 to 100	24 I	240	264	14 U	7.1 U	7.1 U	12 I	7.1 U	14 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	57 U	7.1 U	14 U	4.9 I	3.4 I
SP-21 (106-110)	106 to 110		4.4 I	26	30.4	4.7 U	2.4 U	2.4 U	3.6 I	2.4 U	4.7 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	19 U	2.4 U	4.7 U	1.1 I	0.64 I	
SP-21 (116-120)	116 to 120		19	140	159	6.0 U	4.6 I	4.2 I	6.5 I	3.0 U	6.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	24 U	3.0 U	6.0 U	3.1	2.3 I	
SP-22	SP-22 (46-50)	8/26/2021	46 to 50	17	68	85	4.0 U	4.5 I	4.8 I	3.2 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	4.7	3.5
	SP-22 (56-60)		56 to 60	3.4 I	22	25.4	4.0 U	9.2	9.2	2.5 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	18 I	2.0 U	4.0 U	0.91 I	0.72 I
	SP-22 (66-70)		66 to 70	2.4 I	17	19.4	4.0 U	4.3 I	4.8 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	5.5	4.2
	SP-22 (76-80)	8/27/2021	76 to 80	2.1 I	2.0 U	2.1	4.0 U	2.0 U	2.1 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.0	2.5
	SP-22 (86-90)		86 to 90	15	140	155	10 I	54	42	14	11	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	98	2.0 U	4.0 U	8.0	5.2
	SP-22 (86-90) (DUP)		86 to 90	38	280	318	20	120	78	32	36	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	210	2.0 U	4.0 U	13	8.9
	SP-22 (116-120)	9/15/2021	116 to 120	230	1,800	2,030	110	540	380	160	210	25 I	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	1,200	14 I	15 I	44	49
	SP-23	SP-23 (46-50)	9/3/2021	46 to 50	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.66 I
SP-23 (56-60)		56 to 60		2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
SP-23 (66-70)		66 to 70		2.7 I	29	31.7	6.0 I	13	12	3.4 I	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	20 U	2.5 U	5.0 U	7.6	4.3
SP-23 (66-70) (DUP)				3.0 I	36	39.0	6.4 I	21	12	5.1 I	2.8 U	5.7 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	23 U	2.8 U	5.7 U	8.3	5.0
SP-23 (76-80)		76 to 80		2.5 I	32	34.5	7.4 I	30	19	10	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	20 I	2.0 U	4.0 U	1.6	1.0 I
SP-23 (86-90)		9/13/2021	86 to 90	2.0 U	7.5 I	7.5	4.0 U	3.8 I	2.0 U	2.1 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.46 I	0.40 U
SP-23 (96-100)			96 to 100	3.6 I	55	58.6	4.6 U	8.0 I	4.6 I	6.1 I	2.3 U	4.6 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	19 U	2.3 U	4.6 U	0.76 I	0.96 I
SP-23 (106-110)			106 to 110	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
SP-23 (116-120)	9/13/2021	116 to 120	2.1 U	2.1 U	4.2 U	4.2 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	17 U	2.1 U	4.2 U	0.42 U	0.42 U	
SP-24	SP-24 (46-50)	9/2/2021	46 to 50	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U											

TABLE 6: SCREEN POINT GROUNDWATER ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replacement	Replacement	Replacement	Replacement	Misc.	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional GCTL (ng/L)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-19	SP-19 (11-15)	7/21/2020	11 to 15	18,000	400	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-19 (16-20)		16 to 20	3,000	120	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-19 (16-20) (DUP)			2,900	130	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-19 (21-25)		21 to 25	12	2.4	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-19 (26-30)		26 to 30	19	2.3	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-19 (31-35)		31 to 35	32	2.9	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-19 (36-40)		36 to 40	15	2.2	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-19 (36-40) (DUP)			17	2.3	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SP-20	SP-19 (41-45)	7/21/2020	41 to 45	14	1.8	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-20 (11-15)	7/20/2020	11 to 15	6.9	1.3 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-20 (16-20)		16 to 20	7.1	1.4 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-20 (21-25)		21 to 25	12	2.3	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-20 (26-30)		26 to 30	14	2.5	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-20 (31-35)	7/21/2020	31 to 35	12	2.3	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-20 (31-35) (DUP)			11	1.9	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-20 (36-40)		36 to 40	11	2.3	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SP-21	SP-20 (41-45)	7/21/2020	41 to 45	11	2.1	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-20 (41-45) (DUP)			11	2.0	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SP-21 (46-50)	9/2/2021	46 to 50	6.8	1.9 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-21 (46-50) (DUP)			7.2	1.5 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-21 (56-60)		56 to 60	6.3	1.4 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-21 (66-70)		66 to 70	1.0 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-21 (76-80)	9/10/2021	76 to 80	2.1 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-21 (86-90)		86 to 90	4.6	0.93 I	0.40 U	0.40 U	0.40 U	11	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
SP-22	SP-21 (96-100)	9/10/2021	96 to 100	13	2.9 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.9 U	2.9 U	1.4 U	7.1 U	7.1 U	14 U	14 U	14 U	14 U	14 U	29 U
	SP-21 (106-110)		106 to 110	2.4 I	0.95 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.95 U	0.95 U	0.47 U	2.4 U	2.4 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	9.5 U
	SP-21 (116-120)		116 to 120	8.5	1.9 I	0.60 U	0.70 I	0.60 U	0.60 U	1.2 U	1.2 U	0.60 U	3.0 U	3.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	12 U	
	SP-22 (46-50)	8/26/2021	46 to 50	16	1.9 I	0.40 U	0.40 U	0.40 U	0.96 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-22 (56-60)		56 to 60	6.8	0.80 U	0.40 U	0.40 U	0.40 U	2.4	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-22 (66-70)		66 to 70	10	0.80 U	0.40 U	0.40 U	0.40 U	1.9	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-22 (76-80)	8/27/2021	76 to 80	3.8	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-22 (86-90)		86 to 90	41	2.4 I	0.40 U	0.40 U	0.85 I	15	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
SP-23	SP-22 (86-90) (DUP)	9/15/2021	86 to 90	94	5.2	0.40 U	0.40 U	2.2	37	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-22 (116-120)		116 to 120	600	58	1.0 U	1.0 U	12	230	2.2 I	2.0 U	2.0 U	1.0 U	5.1 U	5.1 U	10 U	10 U	10 U	10 U	10 U	20 U
	SP-23 (46-50)	9/3/2021	46 to 50	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-23 (56-60)		56 to 60	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-23 (66-70)		66 to 70	18	1.0 U	0.50 U	0.50 U	1.9 I	3.1	0.50 U	1.0 U	1.0 U	0.50 U	2.5 U	2.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U
	SP-23 (66-70) (DUP)			20	1.1 U	0.57 U	0.57 U	2.5	3.0	0.57 U	1.1 U	1.1 U	0.57 U	2.8 U	2.8 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	11 U
	SP-23 (76-80)	9/13/2021	76 to 80	7.2	0.80 U	0.40 U	0.40 U	0.53 I	3.0	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-23 (86-90)		86 to 90	1.5 I	0.80 U	0.40 U	0.40 U	0.40 U	0.88 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
SP-24	SP-23 (96-100)	9/13/2021	96 to 100	7.6	0.93 U	0.46 U	0.46 U	0.83 I	5.5	0.46 U	0.93 U	0.93 U	0.46 U	2.3 U	2.3 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	9.3 U
	SP-23 (106-110)		106 to 110	0.80 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-23 (116-120)		116 to 120	0.85 U	0.85 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.85 U	0.85 U	0.42 U	2.1 U	2.1 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	8.5 U
	SP-24 (46-50)	9/2/2021	46 to 50	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-24 (46-50) (DUP)			0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-24 (56-60)		56 to 60	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.43 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-24 (66-70)		66 to 70	130	9.2	0.40 U	0.40 U	5.5	70	0.40 I	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-24 (76-80)	9/14/2021	76 to 80	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
SP-24	SP-24 (86-90)		86 to 90	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-24 (96-100)		96 to 100	6.2 I	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	5.0 U	5.0 U	10 U	10 U	10 U	10 U	10 U	20 U
	SP-24 (106-110)		106 to 110	6.5 I	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U	4.5 U	4.5 U	9.1 U	9.1 U	9.1 U	9.1 U	9.1 U	18 U
	SP-24 (116-120)		116 to 120	14	1.7 U	0.83 U	0.83 U	0.83 U	2.1 I	0.83 U	1.7 U	1.7 U	0.83 U	4.2 U	4.2 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	17 U
SP-24	SP-24 (116-120) (DUP)	9/14/2021	116 to 120	13	1.6 U	0.78 U	0.78 U	0.78 U	2.0 I	0.78 U	1.6 U	1.6 U	0.78 U	3.9 U	3.9 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	16 U
	SP-24 (126-130)		126 to 130	15	1.7 U	0.86 U	1.5 I	0.86 U	2.3 I	0.86 U	1.7 U	1.7 U	0.86 U	4.3 U	4.3 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	17 U

TABLE 6: SCREEN POINT GROUNDWATER ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFOA	PFOS	PFOA+PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPoS	PFBS	PFPeS
Class				PFCA	PFSA	N/A	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	N/A	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5
Provisional GCTL (ng/L)				70	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-25	SP-25 (11-15)	8/30/2021	11 to 15	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.67 I	0.40 U
	SP-25 (11-15) (DUP)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.64 I	0.40 U
	SP-25 (26-30)		26 to 30	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-25 (41-45)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-25 (46-50)		46 to 50	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-25 (56-60)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-25 (66-70)		66 to 70	5.2 I	25	30.2	4.0 U	12	11	4.7 I	3.6 I	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	27 I	2.0 U	4.0 U	1.3 I	1.3 I
	SP-25 (76-80)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-25 (86-90)	8/31/2021	86 to 90	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-25 (96-100)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-25 (96-100) (DUP)		96 to 100	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-25 (106-110)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	1.1 I
SP-26	SP-26 (11-15)	9/1/2021	11 to 15	4.9 I	21	25.9	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.93 I	1.1 I
	SP-26 (41-45)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-26 (46-50)		46 to 50	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-26 (56-60)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-26 (66-70)		66 to 70	3.8 I	22	25.8	4.0 U	5.1 I	10	6.5 I	4.9 I	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.80 I	0.77 I
	SP-26 (76-80)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-26 (86-90)		86 to 90	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-26 (86-90) (DUP)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
SP-27	SP-27 (11-15)	8/24/2021	11 to 15	28	44	72	35	100	50	46	28	7.2 I	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	3.1 I	4.0 U	2.4	2.1
	SP-27 (26-30)		26 to 30	8.6	24	32.6	4.1 I	3.3 I	3.2 I	2.3 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	4.7	0.74 I
	SP-27 (26-30) (DUP)			8.7	22	30.7	4.7 I	2.9 I	3.4 I	2.4 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	4.5	0.72 I
	SP-27 (41-45)		41 to 45	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-27 (46-50)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-27 (56-60)		56 to 60	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-27 (66-70)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.53 I	0.40 U
	SP-27 (76-80)		76 to 80	2.0 U	2.4 I	2.4	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-27 (76-80) (DUP)			2.0 U	2.6 I	2.6	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
SP-28	SP-27 (86-90)		86 to 90	2.0 U	2.4 I	2.4	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-28 (11-15)	8/19/2021	11 to 15	12	170	182	9.8 I	5.8 I	6.3 I	4.5 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.3	1.2 I
	SP-28 (26-30)			13	61	74	7.7 I	5.6 I	6.1 I	6.5 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.8	1.4 I
	SP-28 (41-45)		41 to 45	23	14	37	4.0 U	4.6 I	9.5	7.6 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	7.4	7.2
	SP-28 (46-50)			11	2.0 U	11	4.0 U	4.0 I	8.9	4.9 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	7.8	7.9
	SP-28 (56-60)		56 to 60	15	10	25	4.0 U	2.6 I	4.8 I	3.8 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	8.3	8.0
	SP-28 (66-70)			5.1 I	22	27.1	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.2 I	1.2 I
	SP-28 (66-70) (DUP)		8/20/2021	4.2 I	20	24.2	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.3 I	1.3 I
	SP-28 (76-80)			2.1 I	2.0 U	2.1	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.85 I	1.0 I
	SP-28 (86-90)			2.0 U	5.2 I	5.2	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.67 I	0.77 I
	SP-28 (96-100)			3.2 I	11	14.2	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.61 I	0.90 I
	SP-28 (106-110)			2.0 U	9.9	9.9	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.45 I
	SP-28 (116-120)			16	65	81	8.1 I	4.1 I	8.1	5.4 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.9	3.3
SP-29	SP-29 (11-15)	8/23/2021	11 to 15	8.1	150	158.1	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	4.4	1.9
	SP-29 (26-30)			22	28	50	26	36	30	15	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	52	1.7
	SP-29 (41-45)		41 to 45	28	40	68	15 I	27	22	21	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	51	2.5
	SP-29 (46-50)			22	53	75	16	28	22	26	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	37	2.1
	SP-29 (56-60)		56 to 60	4.3 I	9.7	14.0	4.0 U	3.8 I	3.3 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.5 I	1.2 I
	SP-29 (56-60) (DUP)			4.5 I	9.8	14.3	4.0 U	4.0 I	4.0 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.2 I	1.3 I
	SP-29 (66-70)		8/24/2021	8.4	35	43.4	5.7 I	6.9 I	7.4 I	3.0 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	13	1.6
	SP-29 (76-80)			9.7	89	98.7	4.9 I	6.9 I	12	4.4 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	4.8	2.0
	SP-29 (86-90)			4.3 I	21	25.3	4.0 U	2.0 U	3.7 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	4.2	0.82 I

TABLE 6: SCREEN POINT GROUNDWATER ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA	
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replacement	Replacement	Replacement	Replacement	Misc.	Misc.	Misc.	Misc.	Misc.	
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*	
Provisional GCTL (ng/L)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-25	SP-25 (11-15)	8/30/2021	11 to 15	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-25 (11-15) (DUP)			0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-25 (26-30)			0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-25 (41-45)			0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-25 (46-50)			0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-25 (56-60)			0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-25 (66-70)			66 to 70	7.1	0.80 U	0.40 U	0.40 U	0.58 I	3.7	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-25 (76-80)			76 to 80	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-25 (86-90)	86 to 90	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U		
	SP-25 (96-100)	8/31/2021	96 to 100	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-25 (96-100) (DUP)			0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-25 (106-110)			106 to 110	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-26	SP-26 (11-15)	9/1/2021	11 to 15	7.1	1.3 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-26 (41-45)			41 to 45	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-26 (46-50)			46 to 50	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-26 (56-60)			56 to 60	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-26 (66-70)			66 to 70	5.2	0.80 U	0.40 U	0.40 U	0.40 U	2.9	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-26 (76-80)			76 to 80	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-26 (86-90)			86 to 90	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-26 (86-90) (DUP)				0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-27	SP-27 (11-15)	8/24/2021	11 to 15	30	1.0 I	0.40 U	0.40 U	0.85 I	14	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U		
	SP-27 (26-30)			26 to 30	3.2	0.80 U	0.40 U	0.40 U	0.58 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-27 (26-30) (DUP)				2.9 I	0.80 U	0.40 U	0.40 U	0.50 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-27 (41-45)		41 to 45	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-27 (46-50)			46 to 50	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-27 (56-60)			56 to 60	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-27 (66-70)		66 to 70	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-27 (76-80)			76 to 80	0.90 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-27 (76-80) (DUP)			1.4 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-27 (86-90)	86 to 90	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.43 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U			
SP-28	SP-28 (11-15)	8/19/2021	11 to 15	5.2	0.91 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-28 (26-30)			26 to 30	11	1.1 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-28 (41-45)			41 to 45	49	1.6 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-28 (46-50)			46 to 50	42	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-28 (56-60)			56 to 60	25	1.1 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-28 (66-70)			66 to 70	5.7	0.80 U	0.40 U	0.40 U	0.40 U	0.51 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-28 (66-70) (DUP)	6.1	0.80 U		0.40 U	0.40 U	0.40 U	0.45 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U			
	SP-28 (76-80)	8/20/2021	76 to 80	2.3 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-28 (86-90)			86 to 90	1.9 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-28 (96-100)			96 to 100	3.6	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-28 (106-110)			106 to 110	2.0 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-28 (116-120)			116 to 120	22	1.1 I	0.40 U	0.40 U	0.40 U	1.9	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-29	SP-29 (11-15)	8/23/2021	11 to 15	4.8	0.85 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-29 (26-30)			26 to 30	15	1.6 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-29 (41-45)			41 to 45	19	2.1 I	0.40 U	0.40 U	0.62 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-29 (46-50)			46 to 50	17	1.6 I	0.40 U	0.40 U	1.1 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-29 (56-60)			56 to 60	4.2	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-29 (56-60) (DUP)				4.0	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-29 (66-70)	8/24/2021	66 to 70	7.0	0.80 U	0.																

Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFOA	PFOS	PFOA+PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS
Class				PFCA	PFSA	N/A	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	N/A	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5
Provisional GCTL (ng/L)				70	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-30	SP-30 (11-15)	9/7/2021	11 to 15	2.0 U	2.0 U	4.0 U	4.6 I	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	4.2	0.61 I
	SP-30 (26-30)	9/8/2021	26 to 30	31	410	441	21 I	59	34	12 I	4.5 U	8.9 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	36 U	4.5 U	8.9 U	9.0	2.4 I
	SP-30 (41-45)	9/7/2021	41 to 45	16	39	55	7.3 I	19	13	11	2.2 U	4.4 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	18 U	2.2 U	4.4 U	2.8	1.6 I
	SP-30 (46-50)		46 to 50	8.9	9.0	17.9	4.0 U	5.6 I	4.8 I	4.4 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.3 I	1.2 I
	SP-30 (46-50) (DUP)			7.6 I	9.2	16.8	4.0 U	5.7 I	4.4 I	3.7 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.4 I	1.1	
	SP-30 (56-60)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.56 I	0.45 I	
	SP-30 (66-70)		9/8/2021	66 to 70	2.9 I	10	12.9	4.5 U	3.6 I	2.5 I	3.7 I	2.3 U	4.5 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	18 U	2.3 U	4.5 U	0.89 I
	SP-30 (76-80)	76 to 80		4.4 I	11	15.4	4.9 U	4.2 I	2.5 U	4.2 I	2.5 U	4.9 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	20 U	2.5 U	4.9 U	1.3 I	0.61 I
	SP-30 (86-90)	86 to 90		2.5 U	3.7 I	3.7	4.9 U	2.5 U	2.5 U	4.9 U	2.5 U	4.9 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	20 U	2.5 U	4.9 U	1.1 I	0.76 I
	SP-30 (96-100)	96 to 100		9.5 I	58	67.5	15 I	12 I	16	10 I	3.8 U	7.6 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	30 U	8.4 I	7.6 U	3.8	1.3 I
	SP-30 (106-110)	106 to 110		6.7 I	23	29.7	8.6 U	4.6 I	5.2 I	5.8 I	4.3 U	8.6 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	34 U	4.3 U	8.6 U	3.5	1.6 I
	SP-30 (116-120)	116 to 120	5.3 I	24	29.3	7.7 U	6.0 I	5.4 I	6.1 I	3.8 U	7.7 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	31 U	3.8 U	7.7 U	2.4 I	1.0 I	
SP-30 (126-130)	126 to 130	6.1 I	25	31.1	8.6 U	5.4 I	4.7 I	4.3 U	4.3 U	8.6 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	34 U	4.3 U	8.6 U	2.5 I	0.97 I		
SP-31	SP-31 (11-15)	9/9/2021	11 to 15	2.0 U	4.4 I	4.4	12 I	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.1	0.40 U
	SP-31 (11-15) (DUP)			2.0 U	5.2 I	5.2	12 I	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.0	0.40 U
	SP-31 (26-30)			3.0 I	7.9 I	10.9	4.0 U	2.0 U	2.0 U	3.0 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.6 I	0.83 I
	SP-31 (41-45)		41 to 45	10 I	40	50	5.4 I	7.6 I	16	5.9 I	2.0 U	5.4 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	17	47	46
	SP-31 (41-45) (DUP)			10 I	38	48	5.3 I	8.2	17	5.2 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	18	42	42
	SP-31 (46-50)			46 to 50	8.4	33	41.4	4.0 U	4.0 I	5.6 I	5.1 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	5.2 I	14	14
	SP-31 (56-60)		56 to 60	12	22	34	4.0 U	5.2 I	5.8 I	5.8 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.4	1.8	
	SP-31 (66-70)		66 to 70	4.6 I	11	15.6	4.8 U	2.4 U	3.0 I	3.2 I	2.4 U	4.8 U	2.4 U	2.4 U	2.4 U	2.4 U	19 U	2.4 U	4.8 U	4.7	3.6	
	SP-31 (76-80)		76 to 80	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.78 I	0.50 I	
SP-31 (86-90)	86 to 90	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U			
SP-32	SP-32 (11-15)	8/17/2021	11 to 15	18	110	128	7.7 I	2.5 U	2.5 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	20 U	2.5 U	5.0 U	1.6 I	0.84 I
	SP-32 (26-30)		26 to 30	2.0 U	2.0 U	4.0 U	61	3.5 I	3.6 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	SP-32 (26-30) (DUP)			2.0 U	2.0 U	4.0 U	59	3.2 I	3.4 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U	
	SP-32 (41-45)			41 to 45	7.5 I	21	28.5	5.1 I	5.5 I	5.2 I	3.5 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	6.4	0.50 I	
	SP-32 (46-50)		46 to 50	13	42	55	7.2 I	12	7.9 I	5.2 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	16	0.64 I		
	SP-32 (56-60)		56 to 60	2.0 U	3.8 I	3.8	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U		
	SP-32 (66-70)	66 to 70	2.0 U	3.3 I	3.3	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U			
	SP-32 (76-80)	76 to 80	2.0 I	12	14.0	4.1 I	4.0 I	2.4 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.83 I	0.40 U			
	SP-32 (86-90)	8/18/2021	86 to 90	3.2 I	14	17.2	4.5 U	2.8 I	2.8 I	2.2 U	2.2 U	4.5 U	2.2 U	2.2 U	2.2 U	2.2 U	18 U	2.2 U	4.5 U	1.0 I	0.57 I	
	SP-32 (96-100)		96 to 100	2.0 U	15	15	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.53 I	0.40 U		
	SP-32 (106-110)		106 to 110	2.5 I	21	23.5	4.0 U	2.4 I	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.86 I	0.40 U		
	SP-32 (116-120)		116 to 120	3.0 I	15	18.0	4.0 U	2.3 I	2.1 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.3 I	0.40 U		
	SP-32 (126-130)		126 to 130	2.9 I	23	25.9	4.0 U	2.0 I	2.4 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.0 I	0.40 U		
	SP-32 (136-140)		136 to 140	2.2 I	15	17.2	4.0 U	2.0 U	2.4 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.93 I	0.40 U		
	SP-32 (146-150)	146 to 150	2.0 U	12	12	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.58 I	0.40 U	
	SP-32 (146-150) (DUP)		2.0 U	13	13	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.61 I	0.40 U			
	SP-32 (154-158)		8/19/2021	154 to 158	8.5	56	64.5	24	2.0 U	13	3.1 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.8 I	4.0 U	1.9	0.56 I
	SP-33	SP-33 (11-15)	8/25/2021	11 to 15	25	160	185	20	8.1	12	6.9 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	5.2	3.8
		SP-33 (11-15) (DUP)			25	180	205	20	8.1	13	6.7 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	5.2	3.9
SP-33 (26-30)		26 to 30			7.3 I	56	63.3	6.1 I	12	12	5.3 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	9.4	4.1	
SP-33 (41-45)		41 to 45		7.8 I	90	97.8	4.7 I	10	9.3	3.3 I	2.7 I	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	6.3	4.8		
SP-33 (46-50)		46 to 50		2.7 I	44	46.7	4.0 U	2.5 I	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.4	1.9		
SP-33 (56-60)		56 to 60		2.0 U	4.8 I	4.8	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U		
SP-33 (66-70)		66 to 70		2.0 U	11	11	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.46 I	0.70 I		
SP-33 (76-80)		76 to 80		2.0 U	7.2 I	7.2	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U		
SP-33 (86-90)	86 to 90	3.0 I	47	50.0	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.9	1.7				
SP-34	SP-34 (11-15)	8/25/2021	11 to 15	5.0 I	160	165.0	7.8 I	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.3	2.1	
	SP-34 (26-30)			26 to 30	2.3 I	13	15.3	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.85 I	0.91 I	
	SP-34 (26-30) (DUP)				2.4 I	14	16.4	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.64 I	0.69 I	
	SP-34 (41-45)	8/26/2021	41 to 45	2.0 U	3.4 I	3.4	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U		
	SP-34 (46-50)		46 to 50	2.0 U	2.3 I	2.3	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U		
	SP-34 (56-60)		56 to 60	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U		
	SP-34 (66-70)		66 to 70	2.0 U	5.1 I	5.1	4.0 U	2.0 U	3.4 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U		
SP-34 (76-80)	76 to 80	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U				
SP-34 (86-90)	86 to 90	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U				

TABLE 6: SCREEN POINT GROUNDWATER ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NeFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replacement	Replacement	Replacement	Replacement	Misc.	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional GCTL (ng/L)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-30	SP-30 (11-15)	9/7/2021	11 to 15	5.3	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SP-30 (26-30)	9/8/2021	26 to 30	10	2.4 I	0.89 U	0.89 U	0.89 U	0.89 U	1.8 U	1.8 U	0.89 U	4.5 U	4.5 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	18 U	
	SP-30 (41-45)	9/7/2021	41 to 45	8.5	1.0 I	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	0.44 U	2.2 U	2.2 U	4.4 U	4.4 U	4.4 U	4.4 U	8.8 U	
	SP-30 (46-50)		46 to 50	5.8	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-30 (46-50) (DUP)		46 to 50	6.4	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-30 (56-60)		56 to 60	1.3 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-30 (66-70)		66 to 70	2.1 I	0.91 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.91 U	0.91 U	0.45 U	2.3 U	2.3 U	4.5 U	4.5 U	4.5 U	4.5 U	9.1 U	
	SP-30 (76-80)		76 to 80	3.4 I	0.98 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.98 U	0.98 U	0.49 U	2.5 U	2.5 U	4.9 U	4.9 U	4.9 U	4.9 U	9.8 U	
	SP-30 (86-90)	9/8/2021	86 to 90	2.2 I	0.98 U	0.49 U	0.78 I	0.49 U	0.49 U	0.98 U	0.98 U	0.49 U	2.5 U	2.5 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	9.8 U	
	SP-30 (96-100)		96 to 100	11	1.5 U	0.76 U	0.76 U	0.76 U	1.8 I	0.76 U	1.5 U	1.5 U	0.76 U	3.8 U	3.8 U	7.6 U	7.6 U	7.6 U	7.6 U	15 U	
	SP-30 (106-110)		106 to 110	7.8	1.7 U	0.86 U	0.86 U	0.86 U	0.86 U	1.7 U	1.7 U	0.86 U	4.3 U	4.3 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	17 U	
	SP-30 (116-120)		116 to 120	7.0	1.5 U	0.77 U	0.77 U	0.77 U	0.77 U	1.5 U	1.5 U	0.77 U	3.8 U	3.8 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	15 U	
SP-30 (126-130)	126 to 130		6.3 I	1.7 U	0.86 U	0.86 U	0.86 U	0.86 U	1.7 U	1.7 U	0.86 U	4.3 U	4.3 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	17 U		
SP-31 (11-15)	9/9/2021		11 to 15	1.3 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
SP-31 (11-15) (DUP)		11 to 15	1.6 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-31 (26-30)		26 to 30	3.5	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U		
SP-31 (41-45)		41 to 45	240	2.7 I	0.40 U	0.40 U	33	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-31 (41-45) (DUP)		41 to 45	230	2.2 I	0.40 U	0.40 U	36	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-31 (46-50)		46 to 50	71	1.4 I	0.40 U	0.40 U	6.7	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-31 (56-60)		56 to 60	14	0.88 I	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U		
SP-31 (66-70)		66 to 70	17	0.95 U	0.48 U	0.48 U	1.6 I	0.48 U	0.48 U	0.95 U	0.95 U	0.48 U	2.4 U	2.4 U	4.8 U	4.8 U	4.8 U	4.8 U	9.5 U		
SP-31 (76-80)		76 to 80	1.4 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U		
SP-31 (86-90)	86 to 90	0.96 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U		
SP-32	SP-32 (11-15)	8/17/2021	11 to 15	3.0 I	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U	2.5 U	2.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	
	SP-32 (26-30)		26 to 30	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-32 (26-30) (DUP)		26 to 30	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-32 (41-45)		41 to 45	1.6 I	0.80 U	0.40 U	0.40 U	3.0	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-32 (46-50)		46 to 50	3.5	0.80 U	0.40 U	0.40 U	8.4	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-32 (56-60)		56 to 60	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-32 (66-70)		66 to 70	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-32 (76-80)	76 to 80	0.80 U	0.80 U	0.40 U	0.40 U	0.43 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U		
	SP-32 (86-90)	8/18/2021	86 to 90	0.89 U	0.89 U	0.45 U	0.45 U	0.73 I	0.45 U	0.45 U	0.89 U	0.89 U	0.45 U	2.2 U	2.2 U	4.5 U	4.5 U	4.5 U	4.5 U	8.9 U	
	SP-32 (96-100)		96 to 100	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-32 (106-110)		106 to 110	0.80 U	0.80 U	0.40 U	0.40 U	0.58 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-32 (116-120)		116 to 120	0.94 I	0.80 U	0.40 U	0.40 U	0.67 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-32 (126-130)		126 to 130	1.5 I	0.80 U	0.40 U	0.40 U	0.72 I	0.56 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-32 (136-140)		136 to 140	0.80 U	0.80 U	0.40 U	0.40 U	0.59 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-32 (146-150)		146 to 150	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-32 (146-150) (DUP)			0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-32 (154-158)	8/19/2021	154 to 158	6.7	0.80 U	0.40 U	0.40 U	0.69 I	13	0.46 I	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-33	SP-33 (11-15)	8/25/2021	11 to 15	16	0.96 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
SP-33 (11-15) (DUP)		11 to 15		16	0.91 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-33 (26-30)		26 to 30		30	1.1 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-33 (41-45)		41 to 45		34	1.5 I	0.40 U	0.40 U	1.2 I	2.0	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-33 (46-50)		46 to 50		9.6	0.80 U	0.40 U	0.40 U	0.45 I	0.59 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-33 (56-60)		56 to 60		0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-33 (66-70)		66 to 70		3.4	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-33 (76-80)		76 to 80		1.0 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
SP-33 (86-90)		86 to 90	8.5	0.80 U	0.40 U	0.40 U	0.50 I	0.43 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U		
SP-34	SP-34 (11-15)	8/25/2021	11 to 15	7.1	1.2 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-34 (26-30)		26 to 30	2.3 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-34 (26-30) (DUP)		26 to 30	2.1 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-34 (41-45)		41 to 45	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-34 (46-50)	8/26/2021	46 to 50	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	SP-34 (56-60)		56 to 60	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U		
	SP-34 (66-70)		66 to 70	0.91 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U		
	SP-34 (76-80)		76 to 80	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U		
SP-34 (86-90)	86 to 90	0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U			

TABLE 6: SCREEN POINT GROUNDWATER ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Notes:

- 1. ng/L indicates nanograms per liter.
- 2. Sample depths are presented in feet below land surface (ft BLS).
- 3. PFOA + PFOS indicates the summation of PFOA and PFOS concentrations.
- 4. Blue shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection Provisional Groundwater Cleanup Target Level (GCTL).
- 5. -- indicates no applicable cleanup target level.
- 6. U indicates material was analyzed for but not detected. The reported value is the method detection limit (MDL) for the sample analyzed.
- 7. I indicates the reported value is between the laboratory MDL and the laboratory practical quantitation limit.
- 8. J indicates estimated value and/or the analysis did not meet the quality control criteria.
- 9. V indicates the analyte was detected in both sample and method blank.
- 10. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample.
- 11. NA indicates constituent was not analyzed for.
- 12. PFAS indicates per- and polyfluoroalkyl substances.
- 13. PFCA indicates perfluoroalkyl carboxylic acids.
- 14. PFSA indicates perfluoroalkane sulfonic acids.
- 15. * indicates the analyte contains multiple perfluorinated sections.
- 16. N/A indicates not applicable.

Analyte	Acronym	Class	Carbon Chain Length
Perfluorooctanic acid	PFOA	PFCA	8
Perfluorooctane sulfonate	PFOS	PFSA	8
Perfluorobutanoic acid	PFBA	PFCA	4
Perfluoropentanoic acid	PFPeA	PFCA	5
Perfluorohexanoic acid	PFHxA	PFCA	6
Perfluoroheptanoic acid	PFHpA	PFCA	7
Perfluorononanoic acid	PFNA	PFCA	9
Perfluorodecanoic acid	PFDA	PFCA	10
Perfluoroundecanoic acid	PFUnA	PFCA	11
Perfluorododecanoic acid	PFDoA	PFCA	12
Perfluorotridecanoic Acid	PFTriA	PFCA	13
Perfluorotetradecanoic acid	PFTeA	PFCA	14
4:2 Fluorotelomer sulfonate	4:2 FTS	PFCA Precursor	4
6:2 Fluorotelemer sulfonate	6:2 FTS	PFCA Precursor	6
8:2 Fluorotelemer sulfonate	8:2 FTS	PFCA Precursor	8
Perfluoropropanesulfonic acid	PFPrS	PFSA	3
Perfluorobutanesulfonic acid	PFBS	PFSA	4
Perfluoropentanesulfonic acid	PFPeS	PFSA	5
Perfluorohexanesulfonic acid	PFHxS	PFSA	6
Perfluoroheptanesulfonic acid	PFHpS	PFSA	7
Perfluoronanesulfonic acid	PFNS	PFSA	9
Perfluorodecanesulfonic acid	PFDS	PFSA	10
Perfluoro-1-butane sulfonamide	FBSA	PFSA Precursor	4
Perfluoro-1-hexane sulfonamide	FHxSA	PFSA Precursor	6
Perfluorooctane Sulfonamide	FOSA	PFSA Precursor	8
N-ethylperfluorooctanesulfonamidoacetic acid	NEtFOSAA	PFSA Precursor	8
N-methylperfluorooctanesulfonamidoacetic acid	NMeFOSAA	PFSA Precursor	8
4,8-Dioxa-3H-perfluorononanoic acid	ADONA	Replacement	*
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	Replacement	*
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS	Replacement	*
Hexafluoropropylene oxide dimer acid	HFPO-DA	Replacement	*
Perfluoro-3-methoxypropanoic acid	PFMPA	Misc.	*
Perfluoro-4-methoxybutanoic acid	PFMBA	Misc.	*
Perfluoro-4-ethylcyclohexanesulfonic acid	PFECHS	Misc.	*
Perfluoro(2-ethoxyethane)sulfonic acid	PFEESA	Misc.	*
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	Misc.	*

TABLE 7: GROUNDWATER MONITORING WELL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFOA	PFOS	PFOA+PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDaA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS
Class				PFCA	PFSA	N/A	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	N/A	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5
Provisional GCTL (ng/L)				70	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1	TMW-1 (5-20)	6/5/2019	5 to 20	560	3,900	4,460	690	3,300	2,600	860	240	0.29 U	1.0 U	0.51 U	1.2 U	0.27 U	NA	NA	NA	NA	310	NA
TMW-2	TMW-2 (5-20)	6/5/2019	5 to 20	130	760	890	110	300	260	240	27	0.37 I	1.0 U	0.50 U	1.2 U	0.26 U	NA	NA	NA	NA	48	NA
DEPMW-1	DEPMW-1 (5-15)	3/3/2020	5 to 15	74	760	834	NA	330	120	150 J	43	2.2 I	1.0 U	1.0 U	0.40 UJ	0.40 U	2.0 U	26	2.0 U	NA	21	26
	DEPMW-1 (5-15) (DUP)			74	890	964	NA	340	130	160 J	48	2.9 I	1.0 U	1.0 U	0.40 UJ	0.40 U	2.0 U	27	2.0 U	NA	22	27
	DEPMW-1 (5-15)	9/22/2020		14	280	294	NA	7.5 I	8.9	9.9	1.9 I	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.0	0.77 I
	DEPMW-1 (5-15)	9/17/2021		6.1 I	180	186.1	8.8 I	6.5 I	5.5 I	5.5 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.4	0.80 I
	DEPMW-1 (5-15)	6/22/2022		2.0 U	140	140	4.0 U	2.6 I	2.0 U	4.6 I	2.4 I	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.6	0.87 I
	DEPMW-1 (5-15)	3/2/2023		5.6 I	170	175.6	9.6 I	5.4 I	3.6 I	4.3 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.9	0.48 I
DEPMW-2	DEPMW-2 (7-17)	3/3/2020	7 to 17	34	500	534	NA	620	460	97 J	15	1.0 U	1.0 U	1.0 U	0.40 UJ	0.40 U	2.0 U	26	5.2 I	NA	41	29
	DEPMW-2 (7-17)	9/23/2020		30	510	540	NA	630	330	160	13	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	16 I	3.1 I	NA	25	13
	DEPMW-2 (7-17)	9/17/2021		63	240	303	110	230	160	120	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	15	3.7
	DEPMW-2 (7-17)	6/22/2022		67	290	357	94	230	130	180	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	13	4.5
	DEPMW-2 (7-17)	3/2/2023		63	220	283	180	410	260	300	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	11	3.0
DEPMW-3	DEPMW-3 (7-17)	3/3/2020	7 to 17	1,900	11,000	12,900	NA	10,000	9,300	4,000	230	2.2 I	1.1 I	1.0 U	0.40 U	0.40 U	9.4	20,000	200 U	NA	770	1,500
	DEPMW-3 (7-17)	9/21/2020		400	2,300	2,700	NA	1,900	1,400	690	120	4.3	1.3 I	1.0 U	0.40 U	0.40 U	2.0 U	6,000	2.0 I	NA	180	210
	DEPMW-3 (7-17)	9/17/2021		57	260	317	250	850	610	320	16	4.9 I	4.7 I	2.0 U	2.0 U	2.0 U	2.0 U	430	2.0 U	6.3 I	26	20
	DEPMW-3 (7-17)	6/21/2022		190	1,600	1,790	520	1,800	1,400	730	150	14 I	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2,100	2.0 U	27	97	110
	DEPMW-3 (7-17) (DUP)			170	1,400	1,570	490	1,800	1,200	880	150	12 I	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2,000	2.0 U	24	85	100
	DEPMW-3 (7-17)	3/2/2023		190	1,800	1,990	290	1,000	670	560	180	17	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	700	4.3 I	24	94	96
DEPMW-4	DEPMW-4 (7-17)	3/5/2020	7 to 17	18	420	438	NA	10 I	12	18	1.3 I	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	3.4	2.7
	DEPMW-4 (7-17)	9/22/2020		29	420	449	NA	48	32	36	9.2	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	160	2.0 U	NA	1.8	0.70 I
	DEPMW-4 (7-17)	9/16/2021		30	280	310	16	25	17	19	8.2	4.0 U	4.5 I	2.0 U	2.0 U	2.0 U	2.0 U	23 I	2.0 U	4.0 U	3.2	0.86 I
	DEPMW-4 (7-17)	6/20/2022		29	290	319	22	31	22	27	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	5.0	4.0
	DEPMW-4 (7-17)	3/2/2023		34	280	314	14 I	17	17	37	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.7 I	7.6	4.9
DEPMW-5	DEPMW-5 (5-15)	3/4/2020	5 to 15	430	1,700	2,130	NA	1,500	1,200	860	62	24	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	1,300	83	NA	140	300
	DEPMW-5 (5-15) (DUP)			390 I	1,400	1,790	NA	1,500	1,200	960	56	22	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	1,300	79	NA	160	340
	DEPMW-5 (5-15)	9/24/2020		410	8,800	9,210	NA	1,800	2,500	1,300	300	47	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4,100	33	NA	290	610
	DEPMW-5 (5-15)	9/17/2021		180	2,700	2,880	570	3,500	1,900	860	97	73	11	2.0 U	2.0 U	2.0 U	2.0 U	2,200	44	20	94	220
	DEPMW-5 (5-15)	6/23/2022		150	1,300	1,450	290	1,100	580	440	120	62	19	2.0 U	2.0 U	2.0 U	2.0 U	660	47	4.0 U	24	47
	DEPMW-5 (5-15)	3/2/2023		230	1,400	1,630	530	2,100	900	770	58	28	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	750	24	13 I	72	130
DEPMW-6	DEPMW-6 (7-17)	3/4/2020	7 to 17	450	4,100	4,550	NA	3,900	3,600	1,800	95	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.9 I	3,900	2.0 U	NA	280	690
	DEPMW-6 (7-17)	9/23/2020		1,000	4,700	5,700	NA	4,600	3,700	1,600	290	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.8 I	6,200	2.0 I	NA	370	330
	DEPMW-6 (7-17)	9/16/2021		1,400	4,300	5,700	670	3,000	2,400	1,100	480	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.4 I	13,000	48	68	220	250
	DEPMW-6 (7-17)	6/23/2022		610	6,500	7,110	1,100	4,800	3,100	1,600	410	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	3.1 I	7,800	74	100	360	550
	DEPMW-6 (7-17)	3/2/2023		2.0 U	2,700	2,700	620	3,000	2,000	880	260	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1,700	21	47	190	210
DEPMW-7	DEPMW-7 (5-15)	3/4/2020	5 to 15	420	380	800	NA	5,600	4,200	1,500	58	1.0 U	1.1 I	1.0 U	0.40 U	0.40 U	2.4 I	5,900	2.0 U	NA	92	26
	DEPMW-7 (5-15)	9/22/2020		480	380	860	NA	4,300	4,100	2,700	89	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	7,200	2.0 U	NA	81	30
	DEPMW-7 (5-15)	9/17/2021		330	490	820	680	2,500	1,700	770	120	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	660	2.0 U	5.1 I	97	10
	DEPMW-7 (5-15)	6/22/2022		170	790	960	580	1,700	1,000	550	66	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	220	2.0 U	4.0 U	46	6.6
	DEPMW-7 (5-15)	3/2/2023		340	570	910	340	840	430	1,600	36	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	100	2.0 U	4.0 U	35	8.9
DEPMW-8	DEPMW-8 (7-17)	3/3/2020	7 to 17	12	190	202	NA	9.0 I	6.5 I	6.5 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U			

Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUds	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replacement	Replacement	Replacement	Replacement	Misc.	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional GCTL (ng/L)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1	TMW-1 (5-20)	6/5/2019	5 to 20	2,300	120	NA	0.30 U	NA	NA	0.32 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TMW-2	TMW-2 (5-20)	6/5/2019	5 to 20	560	23	NA	0.29 U	NA	NA	0.32 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DEPMW-1	DEPMW-1 (5-15)	3/3/2020	5 to 15	240	17	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-1 (5-15) (DUP)			230	16	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-1 (5-15)	9/22/2020		5.0	1.3 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-1 (5-15)	9/17/2021		3.9	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-1 (5-15)	6/22/2022		5.9	0.88 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-1 (5-15)	3/2/2023		4.2	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-2	DEPMW-2 (7-17)	3/3/2020	7 to 17	170	8.3	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-2 (7-17)	9/23/2020		110	4.0	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-2 (7-17)	9/17/2021		49	3.5	0.40 U	0.40 U	0.66 I	3.1	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-2 (7-17)	6/22/2022		61	4.9	0.40 U	0.40 U	0.80 U	1.7 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-2 (7-17)	3/2/2023		27	3.2	0.40 U	0.40 U	1.3 I	2.1 IJ	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-3	DEPMW-3 (7-17)	3/3/2020	7 to 17	11,000	620	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-3 (7-17)	9/21/2020		2,200	120	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-3 (7-17)	9/17/2021		190	5.0	0.40 U	0.40 U	22	20	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-3 (7-17)	6/21/2022		830	23	0.40 U	0.40 U	17	180	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-3 (7-17) (DUP)			850	21	0.40 U	0.40 U	18	170	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-3 (7-17)			3/2/2023	800	26	0.40 U	0.40 U	92	320	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-4	DEPMW-4 (7-17)	3/5/2020	7 to 17	15	4.3	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-4 (7-17)	9/22/2020		5.5	1.1 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-4 (7-17)	9/16/2021		5.3	1.4 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-4 (7-17)	6/20/2022		28	1.8 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-4 (7-17)	3/2/2023		25	3.2 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-5	DEPMW-5 (5-15)	3/4/2020	5 to 15	4,400	51 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-5 (5-15) (DUP)			5,100	60 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-5 (5-15)	9/24/2020		7,300	170	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-5 (5-15)	9/17/2021		3,400	60	0.56 I	0.40 U	130	410	0.88 I	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-5 (5-15)	6/23/2022		620	40	0.40 U	0.40 U	25	510	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-5 (5-15)	3/2/2023		1,000	36	0.40 U	0.40 U	76	680	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-6	DEPMW-6 (7-17)	3/4/2020	7 to 17	2,800	60	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-6 (7-17)	9/23/2020		3,700	95	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-6 (7-17)	9/16/2021		3,200	110	0.40 U	0.40 U	170	1,500	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-6 (7-17)	6/23/2022		2,600	100	0.40 U	0.40 U	210	1,900	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-6 (7-17)	3/2/2023		1,100	44	0.40 U	0.40 U	170	1,700	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-7	DEPMW-7 (5-15)	3/4/2020	5 to 15	240	12	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-7 (5-15)	9/22/2020		340	14	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-7 (5-15)	9/17/2021		110	14	0.40 U	0.40 U	2.7	1.3 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-7 (5-15)	6/22/2022		53	15	0.40 U	0.40 U	6.1	1.8 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-7 (5-15)	3/2/2023		83	3.1 I	0.40 U	0.40 U	8.3	1.3 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-8	DEPMW-8 (7-17)	3/3/2020	7 to 17	8.9	1.7	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-8 (7-17)	9/22/2020		11	1.1 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-8 (7-17)	9/15/2021		22	2.6 I	0.40 U	0.40 U	0.46 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-8 (7-17) (DUP)			19	2.4 I	0.40 U	0.40 U	0.40 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-8 (7-17)	6/21/2022		25	3.2	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-8 (7-17)	3/2/2023		13	1.9 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
	DEPMW-8 (7-17) (DUP)			12	1.8 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-9	DEPMW-9 (7-17)	3/4/2020	7 to 17	380	13	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-9 (7-17)	9/23/2020		500	9.3	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-9 (7-17)	9/16/2021		100	4.7	0.40 U	0.40 U	1.2 I	19	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-9 (7-17)	6/23/2022		85	8.6	0.40 U	0.40 U	0.80 U	5.3	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-9 (7-17)	3/2/2023		90	14	0.40 U	0.40 U	0.80 U	1.6 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-10	DEPMW-10 (5-15)	3/3/2020	5 to 15	67	3.4	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-10 (5-15)	9/23/2020		110	6.8	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-10 (5-15)	9/17/2021		15	2.0 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-10 (5-15)	6/20/2022		18	3.9	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-10 (5-15) (DUP)			18	4.2	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-10 (5-15)			3/2/2023	48	2.5 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-11	DEPMW-11 (5-15)	3/4/2020	5 to 15	20	1.1 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-11 (5-15)	9/23/2020		70	2.9	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-11 (5-15)	9/15/2021		17	1.0 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-11 (5-15)	6/21/2022		53	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-11 (5-15)	3/3/2023		29	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U

TABLE 7: GROUNDWATER MONITORING WELL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFOA	PFOS	PFOA+PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS
Class				PFCA	PFSA	N/A	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	N/A	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5
Provisional GCTL (ng/L)				70	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DEPMW-12	DEPMW-12 (5-15)	3/3/2020	5 to 15	3.8 I	23	26.8	NA	4.0 U	2.0 U	2.3 I	1.0 U	1.0 U	1.0 I	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	5.5	0.66 I
	DEPMW-12 (5-15)	9/21/2020		11	78	89	NA	25	19	13	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	6.3	1.3 I
	DEPMW-12 (5-15)	9/16/2021		2.0 U	46	46	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.3	0.40 U
	DEPMW-12 (5-15)	6/21/2022		2.0 U	33	33	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.4 I	0.40 U
	DEPMW-12 (5-15)	3/2/2023		2.0 U	36	36	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	4.1
DEPMW-13	DEPMW-13 (40-50)	3/9/2020	40 to 50	4.9	4.6 I	9.5	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	0.40 U	0.40 U	2.0 U	4.0 UJ	2.0 U	NA	3.8	4.8
	DEPMW-13 (40-50)	9/21/2020		1.5 I	2.0 U	1.5	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	1.8	1.5 I
	DEPMW-13 (40-50)	9/17/2021		4.0 I	3.2 I	7.2	4.0 U	2.0 U	2.0 U	2.8 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.9	3.0
	DEPMW-13 (40-50)	6/22/2022		2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.5 I	1.3 I
	DEPMW-13 (40-50)	3/2/2023		2.0 U	2.0 U	4.0 U	11 I	8.1	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.4 I	0.40 U
DEPMW-14	DEPMW-14 (40-50)	3/9/2020	40 to 50	1.1 I	2.0 U	1.1	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	0.40 U	0.40 U	2.0 U	4.0 UJ	2.0 U	NA	0.40 U	0.40 U
	DEPMW-14 (40-50)	9/21/2020		1.0 U	2.0 U	3.0 U	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	0.40 U	0.40 U
	DEPMW-14 (40-50)	9/17/2021		2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.3 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	DEPMW-14 (40-50)	6/21/2022		4.1 I	7.3 I	11.4	4.0 U	6.0 I	4.4 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.57 I
	DEPMW-14 (40-50)	3/2/2023		4.7 I	7.3 I	12.0	8.2 I	15	8.0	2.2 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.68 I	0.40 U
DEPMW-15	DEPMW-15 (40-50)	3/10/2020	40 to 50	24	56	80	NA	4.0 U	3.6 I	6.0 I	1.0 U	1.0 U	1.0 UJ	1.0 U	0.40 U	0.40 U	2.0 U	4.0 UJ	2.0 U	NA	8.7	9.5
	DEPMW-15 (40-50)	9/22/2020		19	55	74	NA	4.0 U	3.2 I	4.4 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	9.6	8.7
	DEPMW-15 (40-50)	9/16/2021		20	49	69	4.0 U	2.0 U	2.7 I	5.5 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 I	8.9	7.7
	DEPMW-15 (40-50)	6/20/2022		18	48	66	4.0 U	13	8.0 I	7.4 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	8.8	8.2
	DEPMW-15 (40-50)	3/2/2023		20	53	73	7.2 I	11	10	2.9 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.1 I	9.2	8.2
DEPMW-16	DEPMW-16 (40-50)	3/10/2020	40 to 50	17	75	92	NA	4.0 U	2.4 I	5.5 I	1.0 U	1.0 U	1.0 UJ	1.0 U	0.40 U	0.40 U	2.0 U	4.8 IJ	2.0 U	NA	3.1	3.1
	DEPMW-16 (40-50)	9/23/2020		18	83	101	NA	4.0 U	3.0 I	3.4 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	3.8	3.8
	DEPMW-16 (40-50)	9/16/2021		15	95	110	4.0 U	2.0 U	2.0 U	4.9 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.2	2.7
	DEPMW-16 (40-50)	6/23/2022		21	31	52	45	110	35	48	11	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.4 I	4.0 U	24	2.1
	DEPMW-16 (40-50)	3/2/2023		23	19	42	100	170	42	51	17	4.4 I	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	14	1.5 I
DEPMW-17	DEPMW-17 (40-50)	3/9/2020	40 to 50	8.7	54	62.7	NA	4.0 U	2.0 U	3.1 I	1.0 U	1.0 U	1.0 I	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	5.3	6.4
	DEPMW-17 (40-50)	9/22/2020		6.2	16	22.2	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	4.7	3.6
	DEPMW-17 (40-50)	9/15/2021		14	36	50	4.0 U	2.0 U	2.0 U	3.6 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.9	3.9
	DEPMW-17 (40-50)	6/21/2022		6.1 I	18	24.1	4.0 U	5.5 I	6.5 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.1	2.8
	DEPMW-17 (40-50)	3/2/2023		4.8 I	21	25.8	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.0	2.7
DEPMW-17 (40-50) (DUP)	4.2 I			19	23.2	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.9	2.4	
DEPMW-18	DEPMW-18 (38-48)	3/10/2020	38 to 48	23	72	95	NA	4.0 U	2.0 U	2.8 I	1.0 U	1.0 U	1.0 UJ	1.0 U	0.40 U	0.40 U	2.0 U	4.0 UJ	2.0 U	NA	3.6	2.2
	DEPMW-18 (38-48) (DUP)			28	61	89	NA	4.0 U	2.0 U	3.8 I	1.0 U	1.0 U	1.0 UJ	1.0 U	0.40 U	0.40 U	2.0 U	4.0 UJ	2.0 U	NA	3.2	2.5
	DEPMW-18 (38-48)	9/23/2020		19	54	73	NA	4.0 U	2.6 I	4.2 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.3	2.0
	DEPMW-18 (38-48)	9/17/2021		18	94	112	4.0 U	2.0 U	2.0 U	4.1 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.1	2.0
	DEPMW-18 (38-48)	6/21/2022		11	71	82	4.0 U	2.0 U	3.7 I	2.0 U	2.0 U	4.0 U	2.4 I	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.0	1.7
DEPMW-18 (38-48)	3/2/2023	15		73	88	4.0 U	3.4 I	4.0 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.1	1.3 I	
DEPMW-19	DEPMW-19 (40-50)	3/9/2020	40 to 50	11	54	65	NA	4.0 U	2.0 U	2.5 I	1.0 U	1.0 U	1.0 I	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	4.0	5.6
	DEPMW-19 (40-50)	9/21/2020		12	33	45	NA	4.0 U	2.0 U	3.3 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	4.0	3.0
	DEPMW-19 (40-50)	9/17/2021		14	48	62	4.0 U	3.3 I	2.8 I	4.3 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.7	3.6
	DEPMW-19 (40-50)	6/21/2022		5.0 I	23	28.0	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	4.2	3.4
	DEPMW-19 (40-50)	3/2/2023		5.6 I	21	26.6	4.0 U	2.0 U</														

TABLE 7: GROUNDWATER MONITORING WELL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA	
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replacement	Replacement	Replacement	Replacement	Misc.	Misc.	Misc.	Misc.	Misc.	
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*	
Provisional GCTL (ng/L)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DEPMW-12	DEPMW-12 (5-15)	3/3/2020	5 to 15	7.1	0.47 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-12 (5-15)	9/21/2020		12	1.1 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-12 (5-15)	9/16/2021		1.9 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-12 (5-15)	6/21/2022		1.7 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-12 (5-15)	3/2/2023		2.4 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	
DEPMW-13	DEPMW-13 (40-50)	3/9/2020	40 to 50	9.0	0.54 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-13 (40-50)	9/21/2020		2.5	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-13 (40-50)	9/17/2021		6.7	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-13 (40-50)	6/22/2022		1.2 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-13 (40-50)	3/2/2023		0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	
DEPMW-14	DEPMW-14 (40-50)	3/9/2020	40 to 50	0.93 I	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-14 (40-50)	9/21/2020		0.40 U	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-14 (40-50)	9/17/2021		0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-14 (40-50)	6/21/2022		1.7 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-14 (40-50)	3/2/2023		3.0 I	0.80 U	0.40 U	0.40 U	0.80 U	1.4 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	
DEPMW-15	DEPMW-15 (40-50)	3/10/2020	40 to 50	25	2.8	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-15 (40-50)	9/22/2020		25	2.8	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-15 (40-50)	9/16/2021		24	2.7 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-15 (40-50)	6/20/2022		22	2.0 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-15 (40-50)	3/2/2023		25	2.6 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	
DEPMW-16	DEPMW-16 (40-50)	3/10/2020	40 to 50	13	2.2	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-16 (40-50)	9/23/2020		12	2.4	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-16 (40-50)	9/16/2021		8.7	2.1 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-16 (40-50)	6/23/2022		16	0.80 U	0.40 U	0.40 U	5.7	4.5	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-16 (40-50)	3/2/2023		22	0.80 U	0.40 U	0.40 U	6.4	2.1 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	
DEPMW-17	DEPMW-17 (40-50)	3/9/2020	40 to 50	17	3.1	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-17 (40-50)	9/22/2020		10	1.4 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-17 (40-50)	9/15/2021		10	1.8 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-17 (40-50)	6/21/2022		7.3	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-17 (40-50)	3/2/2023		6.8	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	
	DEPMW-17 (40-50) (DUP)			7.0	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	
DEPMW-18	DEPMW-18 (38-48)	3/10/2020	38 to 48	8.2	2.1	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-18 (38-48) (DUP)			8.6	1.9	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-18 (38-48)	9/23/2020		9.7	2.3	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-18 (38-48)	9/17/2021		7.8	2.1 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-18 (38-48)	6/21/2022		5.9	0.81 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-18 (38-48)	3/2/2023		6.6	1.5 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	
DEPMW-19	DEPMW-19 (40-50)	3/9/2020	40 to 50	13	2.7	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-19 (40-50)	9/21/2020		12	2.3	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-19 (40-50)	9/17/2021		11	1.9 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-19 (40-50)	6/21/2022		9.3	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-19 (40-50)	3/2/2023		8.2	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	
DEPMW-20	DEPMW-20 (7-17)	9/22/2020	7 to 17	10	1.0 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DEPMW-20 (7-17)	9/16/2021		1.1 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U	
	DEPMW-20 (7-17)																					

TABLE 7: GROUNDWATER MONITORING WELL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFOA	PFOS	PFOA+PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS	
Class				PFCA	PFSA	N/A	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA	
Carbon Chain Length				8	8	N/A	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5	
Provisional GCTL (ng/L)				70	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DEPMW-24	DEPMW-24 (7-17)	9/24/2020	7 to 17	16	57	73	NA	13 I	11	13	3.3 I	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	7.7 I	2.0 U	NA	6.4	0.40 U	
	DEPMW-24 (7-17)	9/16/2021		7.3 I	99	106.3	7.8 I	6.7 I	4.7 I	4.4 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.5	0.42 I	
	DEPMW-24 (7-17)	6/21/2022		2.0 U	24	24	4.0 U	2.0 U	2.1 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	4.8	0.40 U	
	DEPMW-24 (7-17) (DUP)			2.0 U	24	24	4.0 U	2.0 U	2.3 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	4.7	0.40 U	
	DEPMW-24 (7-17)			2.0 U	70	70	5.0 I	3.2 I	2.9 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.8	0.40 U	
DEPMW-25	DEPMW-25 (7-17)	9/24/2020	7 to 17	9.2	150	159.2	NA	4.0 U	3.2 I	5.4 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	1.7	0.62 I	
	DEPMW-25 (7-17)	9/16/2021		19	130	149	1,600	6,900	3,600	1,100	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	650	2.0 U	4.0 U	2.5	1.2 I	
	DEPMW-25 (7-17)	6/22/2022		6.3 I	170	176.3	510	2,100	1,100	280	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	3,200	2.0 U	4.0 U	1.8	1.1 I	
	DEPMW-25 (7-17)	3/1/2023		26	170	196	2,100	6,000	3,500	1,900	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	51,000	2.0 U	4.0 U	1.3 I	0.40 U	
DEPMW-26	DEPMW-26 (7-17)	9/23/2020	7 to 17	35	180	215	NA	320	210	99	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	6.5 I	2.0 U	NA	6.4	2.3	
	DEPMW-26 (7-17)	9/16/2021		71	200	271	150	340	310	120	3.9 I	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	8.6	1.7	
	DEPMW-26 (7-17)	6/22/2022		36	170	206	93	270	200	130	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	11	2.4	
	DEPMW-26 (7-17)	3/3/2023		73	340	413	290	700	490	340	7.8 I	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	23	2.5	
DEPMW-27	DEPMW-27 (7-17)	9/22/2020	7 to 17	1.2 I	3.0 I	4.2	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	0.91 I	0.59 I	
	DEPMW-27 (7-17) (DUP)			1.2 I	3.5 I	4.7	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	0.83 I	0.54 I	
	DEPMW-27 (7-17)	9/16/2021		2.0 U	4.0 I	4.0	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.98 I	0.40 U
	DEPMW-27 (7-17) (DUP)			2.0 U	3.8 I	3.8	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.93 I	0.40 U
	DEPMW-27 (7-17)			6/21/2022	2.0 U	2.5 I	2.5	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U
DEPMW-28	DEPMW-27 (7-17)	3/3/2023	7 to 17	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.1 I	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U	
	DEPMW-28 (7-17)	9/22/2020		17	46	63	NA	28	20	17	20	6.4	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	7.9 I	2.0 U	NA	2.5	1.5 I	
	DEPMW-28 (7-17)	9/16/2021		13	32	45	20	51	24	17	13	4.0 U	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	16 U	2.0 U	4.0 U	2.5	1.2 I	
	DEPMW-28 (7-17)	6/21/2022		5.2 I	15	20.2	8.0 I	9.6	11	20	2.2 I	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.3	2.3	
	DEPMW-28 (7-17)	3/3/2023		13	23	36	11 I	22	14	13	21	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.79 I	0.44 I	
DEPMW-29	DEPMW-29 (9-19)	9/22/2020	9 to 19	1.0 U	2.0 U	3.0 U	NA	4.0 U	3.3 I	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	9.3 I	2.0 U	NA	0.84 I	0.40 U	
	DEPMW-29 (9-19)	9/17/2021		2.0 U	2.4 I	2.4	4.0 U	2.0 U	2.0 U	2.5 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.88 I	0.64 I	
	DEPMW-29 (9-19)	6/22/2022		2.0 U	3.2 I	3.2	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.7	1.1 I	
	DEPMW-29 (9-19)	2/28/2023		8.4	98	106.4	10 I	2.9 I	4.9 I	2.1 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	4.7	1.5 I	
DEPMW-30	DEPMW-30 (7-17)	9/22/2020	7 to 17	9.5	80	89.5	NA	4.0 U	3.9 I	3.1 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	13 I	2.0 U	NA	1.7	1.1 I	
	DEPMW-30 (7-17)	9/17/2021		2.7 I	51	53.7	4.0 U	2.0 U	2.0 U	2.2 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.46 I	0.40 U	
	DEPMW-30 (7-17)	6/22/2022		2.0 U	40	40	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U	
	DEPMW-30 (7-17)	2/28/2023		3.2 I	41	44.2	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.78 I	0.56 I	
DEPMW-31	DEPMW-31 (40-50)	9/22/2020	40 to 50	6.8	12	18.8	NA	4.0 U	3.2 I	3.7 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.3	1.0 I	
	DEPMW-31 (40-50) (DUP)			5.9	12	17.9	NA	4.0 U	3.6 I	3.6 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.6	1.0 I	
	DEPMW-31 (40-50)	9/16/2021		5.8 I	20	25.8	4.0 U	4.6 I	2.8 I	3.5 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.2	0.99 I
	DEPMW-31 (40-50) (DUP)			6.8 I	19	25.8	4.0 U	4.3 I	2.3 I	3.7 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.5	0.99 I	
	DEPMW-31 (40-50)			6/22/2022	2.0 U	17	17	19	110	120	36	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	160	2.7 I	4.0 U	2.5	0.56 I
DEPMW-32	DEPMW-31 (40-50)	3/3/2023	40 to 50	6.1 I	16	22.1	36	150	130	48	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	20 I	2.0 U	4.0 U	2.0	0.56 I	
	DEPMW-32 (40-50)	9/23/2020		4.3	11	15.3	NA	4.0 U	3.2 I	2.2 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.4	0.77 I	
	DEPMW-32 (40-50)	9/17/2021		6.1 I	20	26.1	4.0 I	6.9 I	4.4 I	6.1 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.3	0.98 I	
	DEPMW-32 (40-50)	6/22/2022		2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U						

TABLE 7: GROUNDWATER MONITORING WELL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replacement	Replacement	Replacement	Replacement	Misc.	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional GCTL (ng/L)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DEPMW-24	DEPMW-24 (7-17)	9/24/2020	7 to 17	2.2	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-24 (7-17)	9/16/2021		2.5 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-24 (7-17)	6/21/2022		0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-24 (7-17) (DUP)			0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-24 (7-17)	3/3/2023		1.1 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-25	DEPMW-25 (7-17)	9/24/2020	7 to 17	3.7	0.92 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-25 (7-17)	9/16/2021		6.3	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-25 (7-17)	6/22/2022		3.3	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-25 (7-17)	3/1/2023		1.8 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
	DEPMW-26 (7-17)	9/23/2020		13	3.4	0.40 U	0.40 U	NA	NA	NA	0.45 I	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DEPMW-26	DEPMW-26 (7-17)	9/16/2021	7 to 17	10	5.0	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-26 (7-17)	6/22/2022		13	4.7	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-26 (7-17)	3/3/2023		16	4.0	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
	DEPMW-27 (7-17)			1.3 I	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DEPMW-27	DEPMW-27 (7-17) (DUP)	9/22/2020	7 to 17	1.4 I	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-27 (7-17)	9/16/2021		1.1 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-27 (7-17) (DUP)			1.2 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-27 (7-17)	6/21/2022		0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-27 (7-17)	3/3/2023		0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-28	DEPMW-28 (7-17)	9/22/2020	7 to 17	17	0.51 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-28 (7-17)	9/16/2021		11	0.80 U	0.40 U	0.40 U	0.75 I	2.1	0.40 U	0.80 U	0.80 U	0.40 U	4.0 UJ	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-28 (7-17)	6/21/2022		32	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-28 (7-17)	3/3/2023		7.4	0.80 U	0.40 U	0.40 U	0.80 U	1.9 I	0.40 U	0.80 U	0.80 UJ	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-29	DEPMW-29 (9-19)	9/22/2020	9 to 19	1.3 I	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-29 (9-19)	9/17/2021		3.2	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-29 (9-19)	6/22/2022		5.4	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-29 (9-19)	2/28/2023		13	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-30	DEPMW-30 (7-17)	9/22/2020	7 to 17	6.8	1.3 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-30 (7-17)	9/17/2021		1.8 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-30 (7-17)	6/22/2022		1.8 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-30 (7-17)	2/28/2023		3.9	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-31	DEPMW-31 (40-50)	9/22/2020	40 to 50	5.2	0.87 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-31 (40-50) (DUP)			5.1	0.59 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-31 (40-50)	9/16/2021		3.3	0.80 U	0.40 U	0.40 U	0.66 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-31 (40-50) (DUP)			3.5	0.80 U	0.40 U	0.40 U	0.54 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-31 (40-50)	6/22/2022		3.8	2.4 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
DEPMW-32	DEPMW-31 (40-50)	3/3/2023	40 to 50	3.2 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
	DEPMW-32 (40-50)	9/23/2020		9.2	0.64 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-32 (40-50)	9/17/2021		9.8	0.80 U	0.40 U	0.40 U	0.50 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-32 (40-50)	6/22/2022		0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
DEPMW-33	DEPMW-32 (40-50)	3/1/2023	40 to 50	11	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
	DEPMW-33 (40-50)	9/23/2020		13	1.5 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-33 (40-50)	9/17/2021		12	1.4 I	0.40 U	0.40 U	0.42 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-33 (40-50)	6/22/2022		0.93 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
DEPMW-34	DEPMW-33 (40-50)	3/1/2023	40 to 50	1.7 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
	DEPMW-34 (40-50)	9/24/2020		1.2 I	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-34 (40-50)	9/16/2021		15	3.5	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-34 (40-50)	6/20/2022		2.3 I	0.80 U	0.40 U	0.40 U	1.8 I	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-34 (40-50) (DUP)			2.4 I	0.80 U	0.40 U	0.40 U	1.6 I	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
DEPMW-35	DEPMW-34 (40-50)	3/3/2023	40 to 50	7.5	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
	DEPMW-35 (40-50)	9/22/2020		7.4	1.0 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-35 (40-50)	9/15/2021		6.2	0.93 I	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-35 (40-50)	6/20/2022		2.0 I	1.6 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-35 (40-50)	3/2/2023		2.8 I	0.80 U	0.40 U	0.40 U	0.80 U	1.1 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U

TABLE 7: GROUNDWATER MONITORING WELL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFOA	PFOS	PFOA+PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDaA	PFTrIA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPrS	PFBS	PFPeS
Class				PFCA	PFSA	N/A	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length Provisional GCTL (ng/L)				8	8	N/A	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5
				70	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DEPMW-38	DEPMW-38 (90-110)	9/24/2020	90 to 110	1.7 I	3.4 I	5.1	NA	7.3 I	3.3 I	4.9 I	2.4 I	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	9.4 I	2.0 U	NA	0.40 U	0.40 U
	DEPMW-38 (90-110) (DUP)			1.9 I	2.5 I	4.4	NA	8.5 I	3.3 I	4.7 I	2.7 I	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	9.9 I	2.0 U	NA	0.40 U	0.40 U
	DEPMW-38 (90-110)	9/15/2021		2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	DEPMW-38 (90-110)	6/20/2022		2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	DEPMW-38 (90-110)	2/28/2023		2.0 U	2.0 U	4.0 U	5.7 I	10	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
DEPMW-39	DEPMW-39 (7-17)	6/22/2022	7 to 17	15	200	215	20	25	22	8.5	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	6.0	2.8
	DEPMW-39 (7-17)	3/1/2023		17	170	187	19	19	12	5.1 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	7.1	3.1
DEPMW-40	DEPMW-40 (7-17)	6/21/2022	7 to 17	2.0 U	16	16	6.2 I	12	13	2.3 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.63 I	0.40 U
	DEPMW-40 (7-17)	2/28/2023		2.0 U	7.9 I	7.9	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.42 I	0.40 U
DEPMW-41	DEPMW-41 (7-17)	6/21/2022	7 to 17	20	180	200	10 I	2.0 U	6.8 I	4.3 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	5.4	2.0
	DEPMW-41 (7-17)	2/28/2023		9.8	88	97.8	10 I	3.7 I	5.9 I	2.9 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	5.3	1.7
DEPMW-42	DEPMW-42 (25-35)	6/21/2022	25 to 35	15	38	53	4.0 U	18	15	5.1 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	19 I	2.0 U	4.0 U	96	0.40 U
	DEPMW-42 (25-35)	3/1/2023		20	100	120	24	36	33	9.6	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	160	0.73 I
DEPMW-43	DEPMW-43 (40-50)	6/22/2022	40 to 50	2.0 U	6.3 I	6.3	4.0 U	2.0 U	4.4 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	6.3	0.93 I
	DEPMW-43 (40-50)	3/1/2023		4.8 I	8.6	13.4	4.0 U	3.9 I	4.7 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	9.9	2.1
DEPMW-44	DEPMW-44 (40-50)	6/21/2022	40 to 50	2.0 U	2.6 I	2.6	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	DEPMW-44 (40-50)	2/28/2023		2.0 U	3.0 I	3.0	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
DEPMW-45	DEPMW-45 (120-140)	6/20/2022	120 to 140	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	DEPMW-45 (120-140) (DUP)			2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	DEPMW-45 (120-140)	2/28/2023		2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
DEPMW-46	DEPMW-46 (120-140)	6/20/2022	120 to 140	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
	DEPMW-46 (120-140)	2/28/2023		2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
DEPMW-47	DEPMW-47 (110-130)	6/21/2022	110 to 130	2.0 U	2.2 I	2.2	4.0 U	2.0 U	2.2 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.90 I	0.40 U
	DEPMW-47 (110-130)	2/28/2023		2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.0 I	0.40 U
DEPMW-48	DEPMW-48 (151-171)	6/21/2022	151 to 171	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.5	0.40 U
	DEPMW-48 (151-171)	2/27/2023		2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U
DEPMW-49	DEPMW-49 (7-17)	3/1/2023	7 to 17	7.8 I	77	84.8	11 I	12	6.5 I	4.2 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.1	1.4 I
DEPMW-50	DEPMW-50 (7-17)	2/28/2023	7 to 17	2.0 U	14	14	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.5	0.48 I
DEPMW-51	DEPMW-51 (7-17)	2/28/2023	7 to 17	9.5	44	53.5	11 I	11	11	5.6 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	16	1.8
	DEPMW-51 (7-17) (DUP)			8.4	37	45.4	11 I	11	11	5.4 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	15	1.7
DEPMW-52	DEPMW-52 (7-17)	2/28/2023	7 to 17	2.0 U	140	140	4.2 I	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.6	0.55 I
DEPMW-53	DEPMW-53 (7-17)	3/1/2023	7 to 17	71	88	159	60	44	29	41	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	14	3.5
DEPMW-54	DEPMW-54 (7-17)	3/1/2023	7 to 17	7.8 I	85	92.8	4.5 I	3.4 I	2.0 I	4.0 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	1.4 I	0.47 I
DEPMW-55	DEPMW-55 (7-17)	3/2/2023	7 to 17	35	82	117	11 I	12	5.3 I	7.5 I	2.7 I	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.9	0.40 U
DEPMW-56	DEPMW-56 (7-17)	2/28/2023	7 to 17	2.0 U	17	17	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.52 I	0.40 U
DEPMW-57	DEPMW-57 (7-17)	3/1/2023	7 to 17	3.9 I	9.5	13.4	8.0 I	4.1 I	3.7 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	4.4	1.3 I
DEPMW-58	DEPMW-58 (25-35)	2/28/2023	25 to 35	40	360	400	18	26	16	10	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	6.3	2.1
DEPMW-59	DEPMW-59 (40-50)	3/1/2023	40 to 50	13	100	113	7.6 I	3.1 I	2.2 I	6.1 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.5	2.2
DEPMW-60	DEPMW-60 (40-50)	3/1/2023	40 to 50	39	44	83	28	39	32	23	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	52	1.5 I
DEPMW-61	DEPMW-61 (40-50)	3/1/2023	40 to 50	7.4 I	7.5 I	14.9	11 I	16	6.1 I	6.7 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	6.1	0.82 I
DEPMW-62	DEPMW-62 (110-130)	2/28/2023	110 to 130	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	0.40 U	0.40 U

TABLE 7: GROUNDWATER MONITORING WELL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Screen Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replacement	Replacement	Replacement	Replacement	Misc.	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional GCTL (ng/L)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DEPMW-38	DEPMW-38 (90-110)	9/24/2020	90 to 110	2.3	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-38 (90-110) (DUP)			2.1	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DEPMW-38 (90-110)	9/15/2021		0.80 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-38 (90-110)	6/20/2022		0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-38 (90-110)	2/28/2023		1.0 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-39	DEPMW-39 (7-17)	6/22/2022	7 to 17	13	3.6	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-39 (7-17)	3/1/2023		12	2.6 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-40	DEPMW-40 (7-17)	6/21/2022	7 to 17	1.9 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-40 (7-17)	2/28/2023		0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-41	DEPMW-41 (7-17)	6/21/2022	7 to 17	11	1.9 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-41 (7-17)	2/28/2023		12	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-42	DEPMW-42 (25-35)	6/21/2022	25 to 35	4.7	0.84 I	0.40 U	0.40 U	9.5	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-42 (25-35)	3/1/2023		7.7	2.2 I	0.40 U	0.40 U	15	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-43	DEPMW-43 (40-50)	6/22/2022	40 to 50	6.9	0.80 U	0.40 U	0.40 U	1.5 I	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-43 (40-50)	3/1/2023		9.9	0.80 U	0.40 U	0.40 U	3.2	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-44	DEPMW-44 (40-50)	6/21/2022	40 to 50	1.3 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-44 (40-50)	2/28/2023		1.7 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-45	DEPMW-45 (120-140)	6/20/2022	120 to 140	0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 UJ	4.0 U	4.0 U	8.0 U
	DEPMW-45 (120-140) (DUP)			0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-45 (120-140)	2/28/2023		0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-46	DEPMW-46 (120-140)	6/20/2022	120 to 140	0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-46 (120-140)	2/28/2023		0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-47	DEPMW-47 (110-130)	6/21/2022	110 to 130	1.6 I	0.80 U	0.40 U	0.40 U	0.80 U	1.4 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-47 (110-130)	2/28/2023		2.0 I	0.80 U	0.40 U	0.40 U	0.80 U	2.5 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-48	DEPMW-48 (151-171)	6/21/2022	151 to 171	0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	DEPMW-48 (151-171)	2/27/2023		0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-49	DEPMW-49 (7-17)	3/1/2023	7 to 17	14	0.97 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-50	DEPMW-50 (7-17)	2/28/2023	7 to 17	4.1	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-51	DEPMW-51 (7-17)	2/28/2023	7 to 17	19	0.80 U	0.40 U	0.40 U	1.4 I	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
	DEPMW-51 (7-17) (DUP)			18	0.80 U	0.40 U	0.40 U	0.87 I	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-52	DEPMW-52 (7-17)	2/28/2023	7 to 17	3.3	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-53	DEPMW-53 (7-17)	3/1/2023	7 to 17	27	3.1 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-54	DEPMW-54 (7-17)	3/1/2023	7 to 17	2.4 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-55	DEPMW-55 (7-17)	3/2/2023	7 to 17	2.7 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-56	DEPMW-56 (7-17)	2/28/2023	7 to 17	0.84 I	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-57	DEPMW-57 (7-17)	3/1/2023	7 to 17	4.1	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-58	DEPMW-58 (25-35)	2/28/2023	25 to 35	12	4.6	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-59	DEPMW-59 (40-50)	3/1/2023	40 to 50	8.3	1.9 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-60	DEPMW-60 (40-50)	3/1/2023	40 to 50	17	2.4 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-61	DEPMW-61 (40-50)	3/1/2023	40 to 50	28	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
DEPMW-62	DEPMW-62 (110-130)	2/28/2023	110 to 130	0.80 U	0.80 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U

TABLE 7: GROUNDWATER MONITORING WELL ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Notes:

- 1. ng/L indicates nanograms per liter.
- 2. Sample depths are presented in feet below land surface (ft BLS).
- 3. PFOA + PFOS indicates the summation of PFOA and PFOS concentrations.
- 4. Blue shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection Provisional Groundwater Cleanup Target Level (GCTL).
- 5. -- indicates no applicable cleanup target level.
- 6. U indicates material was analyzed for but not detected. The reported value is the method detection limit (MDL) for the sample analyzed.
- 7. I indicates the reported value is between the laboratory MDL and the laboratory practical quantitation limit.
- 8. J indicates estimated value and/or the analysis did not meet the quality control criteria.
- 9. NA indicates constituent was not analyzed for.
- 10. PFAS indicates per- and polyfluoroalkyl substances.
- 11. PFCA indicates perfluoroalkyl carboxylic acids.
- 12. PFSA indicates perfluoroalkane sulfonic acids.
- 13. * indicates the analyte contains multiple perfluorinated sections.
- 14. N/A indicates not applicable.

Analyte	Acronym	Class	Carbon Chain Length
Perfluorooctanic acid	PFOA	PFCA	8
Perfluorooctane sulfonate	PFOS	PFSA	8
Perfluorobutanoic acid	PFBA	PFCA	4
Perfluoropentanoic acid	PFPeA	PFCA	5
Perfluorohexanoic acid	PFHxA	PFCA	6
Perfluoroheptanoic acid	PFHpA	PFCA	7
Perfluorononanoic acid	PFNA	PFCA	9
Perfluorodecanoic acid	PFDA	PFCA	10
Perfluoroundecanoic acid	PFUnA	PFCA	11
Perfluorododecanoic acid	PFDoA	PFCA	12
Perfluorotridecanoic Acid	PFTriA	PFCA	13
Perfluorotetradecanoic acid	PFTeA	PFCA	14
4:2 Fluorotelomer sulfonate	4:2 FTS	PFCA Precursor	4
6:2 Fluorotelemer sulfonate	6:2 FTS	PFCA Precursor	6
8:2 Fluorotelemer sulfonate	8:2 FTS	PFCA Precursor	8
Perfluoropropanesulfonic acid	PFPoS	PFSA	3
Perfluorobutanesulfonic acid	PFBS	PFSA	4
Perfluoropentanesulfonic acid	PFPeS	PFSA	5
Perfluorohexanesulfonic acid	PFHxS	PFSA	6
Perfluoroheptanesulfonic acid	PFHpS	PFSA	7
Perfluoronanesulfonic acid	PFNS	PFSA	9
Perfluorodecanesulfonic acid	PFDS	PFSA	10
Perfluoro-1-butane sulfonamide	FBSA	PFSA Precursor	4
Perfluoro-1-hexane sulfonamide	FHxSA	PFSA Precursor	6
Perfluorooctane Sulfonamide	FOSA	PFSA Precursor	8
N-ethylperfluorooctanesulfonamidoacetic acid	NEtFOSAA	PFSA Precursor	8
N-methylperfluorooctanesulfonamidoacetic acid	NMeFOSAA	PFSA Precursor	8
4,8-Dioxa-3H-perfluorononanoic acid	ADONA	Replacement	*
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	Replacement	*
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS	Replacement	*
Hexafluoropropylene oxide dimer acid	HFPO-DA	Replacement	*
Perfluoro-3-methoxypropanoic acid	PFMPA	Misc.	*
Perfluoro-4-methoxybutanoic acid	PFMBA	Misc.	*
Perfluoro-4-ethylcyclohexanesulfonic acid	PFECHS	Misc.	*
Perfluoro(2-ethoxyethane)sulfonic acid	PFEESA	Misc.	*
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	Misc.	*

TABLE 8: SURFACE WATER ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	PFOA	PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDaA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPPrS	PFBS	PFPeS
Class			PFCA	PFSA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length			8	8	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5
Provisional SWSL (ng/L)			500	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-1	SW-1	6/5/2019	160	230	210	840	590	470	83	63	15	1.8	1.2 U	0.27 U	NA	NA	NA	NA	52	NA
SW-2	SW-2	6/5/2019	57	69	55	110	79	79	18	4.8	1.2 I	0.51 U	1.2 U	0.27 U	NA	NA	NA	NA	7.1	NA
SW-3	SW-3	6/5/2019	4.1	21	5.5	12	11	4.9	1.1 I	0.29 U	1.0 U	0.51 U	1.2 U	0.27 U	NA	NA	NA	NA	7.4	NA
	SW-3 (DUP)		4.5	22	5.2	12	10	4.6	1.1 I	0.29 U	1.0 U	0.51 U	1.2 U	0.27 U	NA	NA	NA	NA	5.6	NA
SW-4	SW-4	2/11/2020	72	78	NA	130	47	68	29	10	2.1 I	1.4 U	0.56 U	0.56 U	2.8 U	17 I	7.2 I	NA	8.2	7.5
SW-5	SW-5	2/11/2020	70	88	NA	100	44	59	15	3.4 I	1.1 U	1.1 U	0.45 U	0.45 U	2.3 U	6.3 I	2.5 I	NA	6.2	5.1
SW-6	SW-6	2/13/2020	61	33	NA	170	100	76	44	15	3.2 I	1.4 I	0.42 U	0.42 U	2.1 U	67	67	NA	21	1.0 I
SW-7	SW-7	7/17/2020	2.9 I	17	NA	4.0 I	2.3 I	2.3 I	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	2.8	0.40 U
SW-8	SW-8	7/14/2020	3.2 I	13	NA	4.5 I	3.5 I	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	3.9	0.40 U
	SW-8 (DUP)		3.1 I	14	NA	4.7 I	3.4 I	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	3.8	0.40 U
SW-9	SW-9	7/17/2020	2.4 I	16	NA	4.7 I	3.8 I	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	3.2	0.40 U
SW-10	SW-10	7/14/2020	1.0 U	2.0 U	NA	4.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	0.40 U	0.40 U
SW-11	SW-11	7/13/2020	3.4 I	17	NA	43	21	15	2.2 I	1.3 I	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	0.40 U	0.40 U
SW-12	SW-12	7/13/2020	24	40	NA	74	36	32	15	15	10	2.1 I	0.40 U	0.40 U	2.0 U	44	23	NA	2.0	1.8
SW-13	SW-13	7/13/2020	26	29	NA	83	41	34	14	16	7.1	1.7 I	0.40 U	0.40 U	2.0 U	63	23	NA	2.1	2.0
SW-14	SW-14	7/14/2020	5.7	22	NA	59	26	20	1.9 I	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	0.40 U	0.40 U
SW-15	SW-15	7/14/2020	4.5	23	NA	66	28	20	1.8 I	1.0 U	1.0 U	1.0 U	0.40 U	0.40 U	2.0 U	4.0 U	2.0 U	NA	0.40 U	0.40 U
SW-16	SW-16	8/23/2021	4.5 I	22	7.4 I	8.1	6.3 I	3.2 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	8.3	0.74 I
SW-17	SW-17	8/23/2021	2.5 I	11	4.6 I	2.0 U	2.8 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.8	0.54 I
	SW-17 (DUP)		2.7 I	9.0	4.9 I	2.0 U	3.3 I	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	2.8	0.48 I
SW-18	SW-18	8/23/2021	7.0 I	53	7.6 I	8.6	11	4.5 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	9.0	2.4
SW-19	SW-19	8/20/2021	7.1 I	42	7.8 I	13	9.6	3.2 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	8.8	2.2
SW-20	SW-20	8/23/2021	4.2 I	12	5.1 I	4.0 I	4.8 I	2.7 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 U	4.0 U	3.4	0.78 I
SW-21	SW-21	2/15/2023	16	470	14 I	17	11	9.1 I	5.7 I	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	20 U	2.5 UJ	5.0 U	18	4.7
	SW-21 (DUP)		19	450	11 I	14	9.8 I	7.9 I	3.9 I	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	20 U	2.5 UJ	5.0 U	16	3.9
SW-22	SW-22	2/15/2023	10	65	11 I	13	11	7.2 I	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	16 U	2.0 UJ	4.0 U	16	2.6
SW-23	SW-23	2/15/2023	9.0 I	52	10 I	12	12	7.6 I	2.3 U	4.6 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	19 U	2.3 UJ	4.6 U	16	2.4

TABLE 8: SURFACE WATER ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class			PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replacement	Replacement	Replacement	Replacement	Misc.	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length			6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
Provisional SWSL (ng/L)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-1	SW-1	6/5/2019	450	10	NA	0.36 I	NA	NA	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-2	SW-2	6/5/2019	71	2.2	NA	0.30 U	NA	NA	0.32 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-3	SW-3	6/5/2019	21	0.64 I	NA	0.30 U	NA	NA	0.32 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SW-3 (DUP)		14	0.74 I	NA	0.30 U	NA	NA	0.33 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-4	SW-4	2/11/2020	87	2.4	0.56 U	0.56 U	NA	NA	NA	0.56 U	0.56 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-5	SW-5	2/11/2020	74	2.3	0.45 U	0.45 U	NA	NA	NA	0.45 U	0.45 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-6	SW-6	2/13/2020	14	0.69 I	0.42 U	0.42 U	NA	NA	NA	0.42 U	0.42 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-7	SW-7	7/17/2020	4.1	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SW-8	SW-8	7/14/2020	4.6	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
	SW-8 (DUP)		4.6	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SW-9	SW-9	7/17/2020	6.1	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SW-10	SW-10	7/14/2020	0.67 I	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SW-11	SW-11	7/13/2020	5.2	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SW-12	SW-12	7/13/2020	42	1.0 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SW-13	SW-13	7/13/2020	33	0.54 I	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SW-14	SW-14	7/14/2020	11	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SW-15	SW-15	7/14/2020	11	0.40 U	0.40 U	0.40 U	NA	NA	NA	0.40 U	0.40 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA
SW-16	SW-16	8/23/2021	5.6	0.80 U	0.40 U	0.40 U	1.1 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
SW-17	SW-17	8/23/2021	2.7 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
	SW-17 (DUP)		2.6 I	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
SW-18	SW-18	8/23/2021	24	0.80 U	0.40 U	0.40 U	0.94 I	0.66 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
SW-19	SW-19	8/20/2021	22	0.80 U	0.40 U	0.40 U	0.75 I	0.61 I	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
SW-20	SW-20	8/23/2021	4.5	0.80 U	0.40 U	0.40 U	0.45 I	0.40 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	8.0 U
SW-21	SW-21	2/15/2023	34	2.6 I	0.50 U	0.50 U	2.8 I	3.3 I	0.50 U	0.99 U	0.99 U	0.50 U	2.5 U	2.5 U	5.0 U	0.99 U	0.99 U	0.99 U	0.99 U	9.9 U
	SW-21 (DUP)		28	2.6 I	0.50 U	0.50 U	1.7 I	1.5 I	0.50 U	0.99 U	0.99 U	0.50 U	2.5 U	2.5 U	5.0 U	0.99 U	0.99 U	0.99 U	0.99 U	9.9 U
SW-22	SW-22	2/15/2023	23	0.80 U	0.40 U	0.40 U	1.4 I	0.80 U	0.40 U	0.80 U	0.80 U	0.40 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U
SW-23	SW-23	2/15/2023	24	0.93 U	0.46 U	0.46 U	1.5 I	0.93 U	0.46 U	0.80 U	0.93 U	0.46 U	2.3 U	2.3 U	4.6 U	0.93 U	0.93 U	0.93 U	0.93 U	9.3 U

TABLE 8: SURFACE WATER ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Notes:

- 1. ng/L indicates nanograms per liter.
- 2. SW indicates surface water.
- 3. Blue shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection Provisional Surface Water Screening Level (SWSL).
- 4. -- indicates no applicable cleanup target level.
- 5. U indicates material was analyzed for but not detected. The reported value is the method detection limit (MDL) for the sample analyzed.
- 6. I indicates the reported value is between the laboratory MDL and the laboratory practical quantitation limit.
- 7. V indicates the analyte was detected in both sample and method blank.
- 8. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample.
- 9. NA or indicates constituent was not analyzed for.
- 10. PFAS indicates per- and polyfluoroalkyl substances.
- 11. PFCA indicates perfluoroalkyl carboxylic acids.
- 12. PFSA indicates perfluoroalkane sulfonic acids.
- 13. * indicates the analyte contains multiple perfluorinated sections.

Analyte	Acronym	Class	Carbon Chain Length
Perfluorooctanic acid	PFOA	PFCA	8
Perfluorooctane sulfonate	PFOS	PFSA	8
Perfluorobutanoic acid	PFBA	PFCA	4
Perfluoropentanoic acid	PFPeA	PFCA	5
Perfluorohexanoic acid	PFHxA	PFCA	6
Perfluoroheptanoic acid	PFHpA	PFCA	7
Perfluorononanoic acid	PFNA	PFCA	9
Perfluorodecanoic acid	PFDA	PFCA	10
Perfluoroundecanoic acid	PFUnA	PFCA	11
Perfluorododecanoic acid	PFDoA	PFCA	12
Perfluorotridecanoic Acid	PFTriA	PFCA	13
Perfluorotetradecanoic acid	PFTeA	PFCA	14
4:2 Fluorotelomer sulfonate	4:2 FTS	PFCA Precursor	4
6:2 Fluorotelemer sulfonate	6:2 FTS	PFCA Precursor	6
8:2 Fluorotelemer sulfonate	8:2 FTS	PFCA Precursor	8
Perfluoropropanesulfonic acid	PFPrS	PFSA	3
Perfluorobutanesulfonic acid	PFBS	PFSA	4
Perfluoropentanesulfonic acid	PFPeS	PFSA	5
Perfluorohexanesulfonic acid	PFHxS	PFSA	6
Perfluoroheptanesulfonic acid	PFHpS	PFSA	7
Perfluorononanesulfonic acid	PFNS	PFSA	9
Perfluorodecanesulfonic acid	PFDS	PFSA	10
Perfluoro-1-butane sulfonamide	FBSA	PFSA Precursor	4
Perfluoro-1-hexane sulfonamide	FHxSA	PFSA Precursor	6
Perfluorooctane Sulfonamide	FOSA	PFSA Precursor	8
N-ethylperfluorooctanesulfonamidoacetic acid	NEtFOSAA	PFSA Precursor	8
N-methylperfluorooctanesulfonamidoacetic acid	NMeFOSAA	PFSA Precursor	8
4,8-Dioxa-3H-perfluorononanoic acid	ADONA	Replacement	*
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	Replacement	*
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS	Replacement	*
Hexafluoropropylene oxide dimer acid	HFPO-DA	Replacement	*
Perfluoro-3-methoxypropanoic acid	PFMPA	Misc.	*
Perfluoro-4-methoxybutanoic acid	PFMBA	Misc.	*
Perfluoro-4-ethylcyclohexanesulfonic acid	PFECHS	Misc.	*
Perfluoro(2-ethoxyethane)sulfonic acid	PFEESA	Misc.	*
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	Misc.	*

TABLE 9: SEDIMENT ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFOA	PFOS	PFBA	PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFUnA	PFDoA	PFTriA	PFTeA	4:2 FTS	6:2 FTS	8:2 FTS	PFPPrS	PFBS	PFPeS
Class				PFCA	PFSA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA	PFCA Precursor	PFCA Precursor	PFCA Precursor	PFSA	PFSA	PFSA
Carbon Chain Length				8	8	4	5	6	7	9	10	11	12	13	14	4	6	8	3	4	5
SED-1	SED-1 (0-1)	6/5/2019	0 to 1	0.13 I	2.0	0.20	0.26 U	0.16 U	0.11 U	0.13 I	0.40 I	0.87 I	0.12 U	0.065 U	0.069 U	NA U	NA U	NA U	NA	0.041 U	NA U
SED-2	SED-2 (0-1)	6/5/2019	0 to 1	1.4 U	11	1.3	2.5 U	1.6 U	1.4 U	1.3 I	3.3 U	3.8 U	2.1 U	0.37 U	0.42 U	NA U	NA U	NA U	NA	0.051 U	NA U
SED-3	SED-3 (0-1)	6/5/2019	0 to 1	0.11	1.1	0.16	0.30	0.24	0.16	0.068	0.31	0.056	0.083	0.063 U	0.067 U	NA I	NA	NA I	NA	0.031 I	NA U
SED-4	SED-4 (0-1)	2/11/2020	0 to 1	0.24	5.2	NA	0.56 I	0.28 I	0.28 I	0.39 I	0.42 IJ	0.30 I	0.14 I	0.14 U	0.14 U	0.28 U	0.56 U	0.28 I	NA	0.14 U	0.14 U
SED-5	SED-5 (0-1)	2/11/2020	0 to 1	0.14 U	2.6	NA	0.58 U	0.29 U	0.29 U	0.17 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.29 U	0.58 U	0.29 U	NA	0.14 U	0.14 U
SED-6	SED-6 (0-1)	2/11/2020	0 to 1	1.5 U	4.4	NA	15 U	3.6 U	2.2 U	1.5 U	3.6 U	2.4 U	2.2 I	0.15 U	0.15 U	0.40 U	3.2 U	0.33 U	NA	0.48 U	0.15 U
SED-7	SED-7 (0-1)	2/13/2020	0 to 1	0.71 U	1.5 I	NA	0.88 U	0.40 U	0.43 U	0.32 U	0.51 U	0.23 U	0.27 U	0.14 U	0.14 U	0.29 U	0.57 U	0.35 U	NA	0.14 U	0.14 U
SED-8	SED-8 (0-1)	7/17/2020	0 to 1	0.20 U	3.6 U	NA	0.81 U	0.41 U	0.41 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.41 U	0.81 U	0.41 U	NA	0.20 U	0.20 U
SED-9	SED-9 (0-1)	7/14/2020	0 to 1	0.21 I	5.2	NA	0.84 U	0.42 U	0.42 U	0.21 U	0.21 U	0.21 U	0.36 U	0.21 U	0.21 U	0.42 U	0.84 U	0.42 U	NA	0.21 U	0.21 U
SED-10	SED-10 (0-1)	7/17/2020	0 to 1	0.14 U	1.1	NA	0.55 I	0.28 U	0.28 I	0.14	0.14	0.14	0.14	0.14 U	0.14 U	0.28 U	0.55 I	0.28 U	NA	0.14 U	0.14 U
SED-11	SED-11 (0-1)	7/14/2020	0 to 1	0.13	0.26	NA	0.52 I	0.26 I	0.26 I	0.13	0.13	0.13 J	0.13	0.13	0.13	0.26 U	0.52 I	0.26 I	NA	0.13 U	0.13 U
SED-12	SED-12 (0-1)	7/13/2020	0 to 1	0.15 U	1.4	NA	0.53 U	0.27 U	0.27 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.27 U	0.53 U	0.27 U	NA	0.13 U	0.13 U
SED-13	SED-13 (0-1)	7/13/2020	0 to 1	0.15 I	8.4	NA	1.9 U	0.29 U	0.35 U	0.88 I	1.8 U	2.3 U	0.73 U	0.15 U	0.15 U	0.29 U	0.85 U	0.29 U	NA	0.15 U	0.15 U
SED-14	SED-14 (0-1)	7/13/2020	0 to 1	0.80	9.3	NA	2.0	0.78	0.64	0.74	2.4	2.3	2.4	0.93	1.3	0.30	1.4	0.96	NA	0.15	0.15
SED-15	SED-15 (0-1)	7/14/2020	0 to 1	0.14	3.7	NA	0.55	0.28	0.28	0.14	0.14	0.14	0.14	0.14	0.14	0.28	0.55	0.28	NA	0.14	0.14
SED-16	SED-16 (0-1)	7/14/2020	0 to 1	0.27	5.1	NA	0.52	0.26	0.26	0.40	0.13	0.13	0.13	0.13	0.13	0.26	0.52	0.26	NA	0.13	0.13

TABLE 9: SEDIMENT ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

Sample Location	Field Sample ID	Sample Date	Sample Interval (ft BLS)	PFHxS	PFHpS	PFNS	PFDS	FBSA	FHxSA	FOSA	NEtFOSAA	NMeFOSAA	ADONA	11Cl-PF3OUdS	9Cl-PF3ONS	HFPO-DA	PFMPA	PFMBA	PFECHS	PFEESA	NFDHA
Class				PFSA	PFSA	PFSA	PFSA	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	PFSA Precursor	Replcement	Replacement	Replacement	Replacement	Misc	Misc.	Misc.	Misc.	Misc.
Carbon Chain Length				6	7	9	10	4	6	8	8	8	*	*	*	*	*	*	*	*	*
SED-1	SED-1 (0-1)	6/5/2019	0 to 1	0.16 I	0.045 U	NA U	0.053 U	NA	NA	0.42	NA U	NA U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SED-2	SED-2 (0-1)	6/5/2019	0 to 1	1.3 I	0.15 U	NA U	0.42 U	NA	NA	1.4	NA U	NA U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SED-3	SED-3 (0-1)	6/5/2019	0 to 1	0.17 I	0.043 U	NA I	0.048 U	NA	NA	0.10	NA I	NA I	NA	NA	NA	NA	NA	NA	NA	NA	NA
SED-4	SED-4 (0-1)	2/11/2020	0 to 1	0.29 U	0.14 U	0.14 U	0.14 U	NA	NA	NA	0.14 U	0.14 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SED-5	SED-5 (0-1)	2/11/2020	0 to 1	0.18 U	0.14 U	0.14 U	0.14 U	NA	NA	NA	0.14 U	0.14 U	NA	NA	NA	NA UJ	NA	NA	NA	NA	NA
SED-6	SED-6 (0-1)	2/11/2020	0 to 1	0.47 U	0.15 U	0.19 U	0.15 I	NA	NA	NA	0.41 U	0.57 U	NA	NA	NA	NA UJ	NA	NA	NA	NA	NA
SED-7	SED-7 (0-1)	2/13/2020	0 to 1	0.14 U	0.14 U	0.14 U	0.14 U	NA	NA	NA	0.14 U	0.14 U	NA	NA	NA	NA UJ	NA	NA	NA	NA	NA
SED-8	SED-8 (0-1)	7/17/2020	0 to 1	0.20 U	0.20 U	0.20 U	0.20 I	NA	NA	NA	0.20 U	0.20 U	NA	NA	NA	0.20 UJ	NA	NA	NA	NA	NA
SED-9	SED-9 (0-1)	7/14/2020	0 to 1	0.21 U	0.21 U	0.21 U	0.36 U	NA	NA	NA	0.21 U	0.21 U	NA	NA	NA	0.21 UJ	NA	NA	NA	NA	NA
SED-10	SED-10 (0-1)	7/17/2020	0 to 1	0.14	0.14 U	0.14 U	0.14 U	NA	NA	NA	0.14 U	0.14 U	NA	NA	NA	0.14 U	NA	NA	NA	NA	NA
SED-11	SED-11 (0-1)	7/14/2020	0 to 1	0.13	0.13 U	0.13 U	0.22 I	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	0.13 UJ	NA	NA	NA	NA	NA
SED-12	SED-12 (0-1)	7/13/2020	0 to 1	0.13 U	0.13 U	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA	0.13 UJ	NA	NA	NA	NA	NA
SED-13	SED-13 (0-1)	7/13/2020	0 to 1	0.85 I	0.15 U	0.15 U	0.15 U	NA	NA	NA	0.15 U	0.15 U	NA	NA	NA	0.15 UJ	NA	NA	NA	NA	NA
SED-14	SED-14 (0-1)	7/13/2020	0 to 1	1.3	0.15	0.15	0.56	NA	NA	NA	0.15	0.15	NA	NA	NA	0.15	NA	NA	NA	NA	NA
SED-15	SED-15 (0-1)	7/14/2020	0 to 1	0.14	0.14	0.14	0.14	NA	NA	NA	0.14	0.14	NA	NA	NA	0.14	NA	NA	NA	NA	NA
SED-16	SED-16 (0-1)	7/14/2020	0 to 1	0.35	0.13	0.13	0.13	NA	NA	NA	0.13	0.13	NA	NA	NA	0.13	NA	NA	NA	NA	NA

TABLE 9: SEDIMENT ANALYTICAL RESULTS FOR PFAS
Indian River State College (ERIC_7410)

- Notes:**
- 1. Results and screening criteria are presented in micrograms per kilogram (µg/kg).
 - 2. ft BLS indicates feet below land surface.
 - 3. SED indicates sediment.
 - 4. U indicates that the compound was analyzed for but not detected (the laboratory method detection limit (MDL) is shown).
 - 5. I indicates the result is between the laboratory MDL and the practical quantitation limit.
 - 6. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample.
 - 7. NA or indicates constituent was not analyzed for.
 - 8. PFAS indicates per- and polyfluoroalkyl substances.
 - 9. PFCA indicates perfluoroalkyl carboxylic acids.
 - 10. PFSA indicates perfluoroalkane sulfonic acids.
 - 11. * indicates the analyte contains multiple perfluorinated sections.

Analyte	Acronym	Class	Carbon Chain Length
Perfluorooctanic acid	PFOA	PFCA	8
Perfluorooctane sulfonate	PFOS	PFSA	8
Perfluorobutanoic acid	PFBA	PFCA	4
Perfluoropentanoic acid	PFPeA	PFCA	5
Perfluorohexanoic acid	PFHxA	PFCA	6
Perfluoroheptanoic acid	PFHpA	PFCA	7
Perfluorononanoic acid	PFNA	PFCA	9
Perfluorodecanoic acid	PFDA	PFCA	10
Perfluoroundecanoic acid	PFUnA	PFCA	11
Perfluorododecanoic acid	PFDoA	PFCA	12
Perfluorotridecanoic Acid	PFTriA	PFCA	13
Perfluorotetradecanoic acid	PFTeA	PFCA	14
4:2 Fluorotelomer sulfonate	4:2 FTS	PFCA Precursor	4
6:2 Fluorotelemer sulfonate	6:2 FTS	PFCA Precursor	6
8:2 Fluorotelemer sulfonate	8:2 FTS	PFCA Precursor	8
Perfluoropropanesulfonic acid	PFPrS	PFSA	3
Perfluorobutanesulfonic acid	PFBS	PFSA	4
Perfluoropentanesulfonic acid	PFPeS	PFSA	5
Perfluorohexanesulfonic acid	PFHxS	PFSA	6
Perfluoroheptanesulfonic acid	PFHpS	PFSA	7
Perfluorononanesulfonic acid	PFNS	PFSA	9
Perfluorodecanesulfonic acid	PFDS	PFSA	10
Perfluoro-1-butane sulfonamide	FBSA	PFSA Precursor	4
Perfluoro-1-hexane sulfonamide	FHxSA	PFSA Precursor	6
Perfluorooctane Sulfonamide	FOSA	PFSA Precursor	8
N-ethylperfluorooctanesulfonamidoacetic acid	NEtFOSAA	PFSA Precursor	8
N-methylperfluorooctanesulfonamidoacetic acid	NMeFOSAA	PFSA Precursor	8
4,8-Dioxa-3H-perfluorononanoic acid	ADONA	Replacement	*
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	Replacement	*
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS	Replacement	*
Hexafluoropropylene oxide dimer acid	HFPO-DA	Replacement	*
Perfluoro-3-methoxypropanoic acid	PFMPA	Misc.	*
Perfluoro-4-methoxybutanoic acid	PFMBA	Misc.	*
Perfluoro-4-ethylcyclohexanesulfonic acid	PFECHS	Misc.	*
Perfluoro(2-ethoxyethane)sulfonic acid	PFEESA	Misc.	*
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	Misc.	*

FIGURES



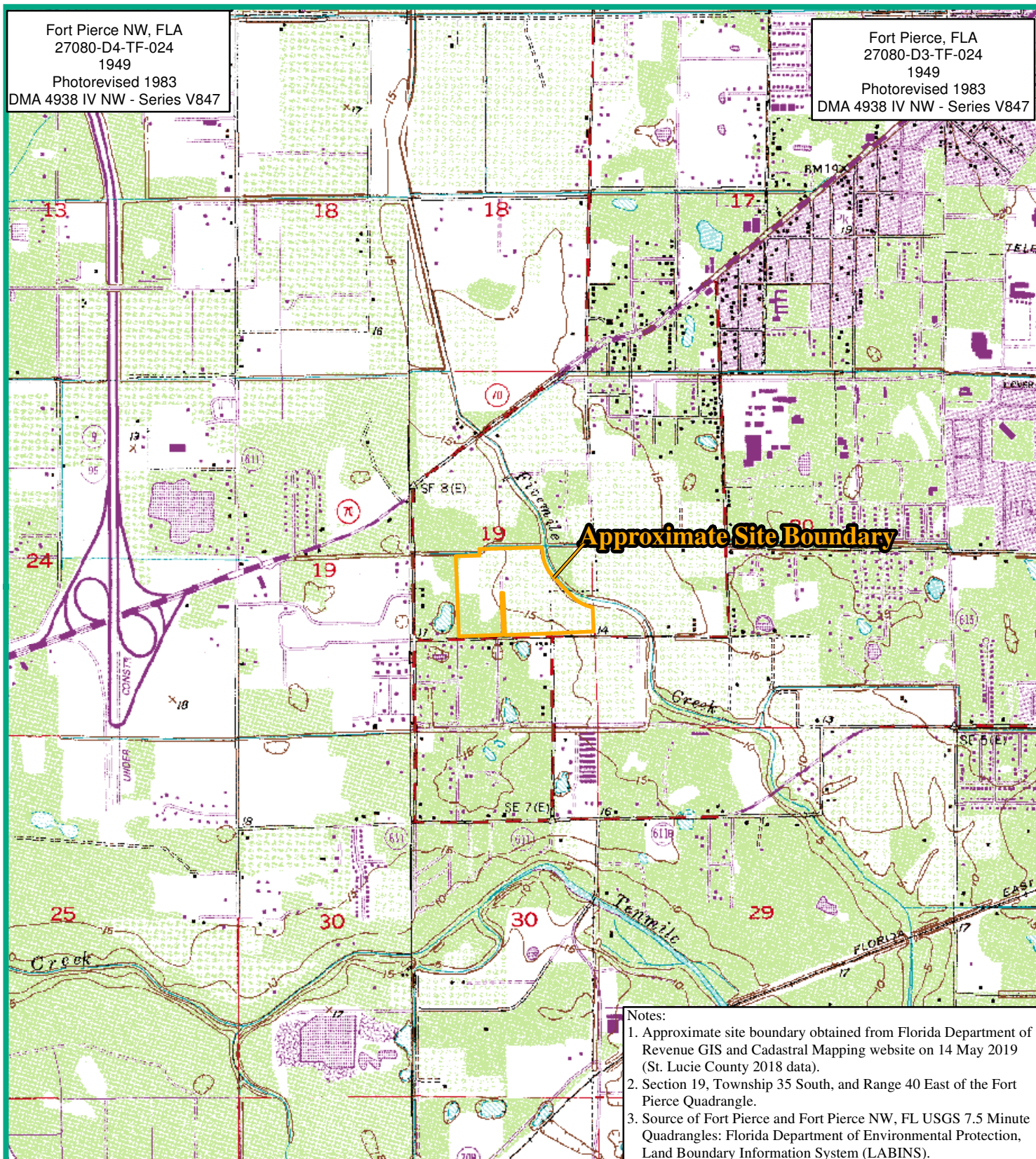


Figure 1
USGS Site Topographic Map
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County,
Florida

Date: May 26, 2023



2,000

Feet





Legend

Approximate AFFF Usage Area

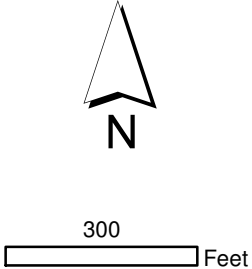
Approximate Site Boundary

Figure 2
Site Vicinity Map
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:

1. AFFF indicates aqueous film forming foam.
2. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
3. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Date: May 26, 2023



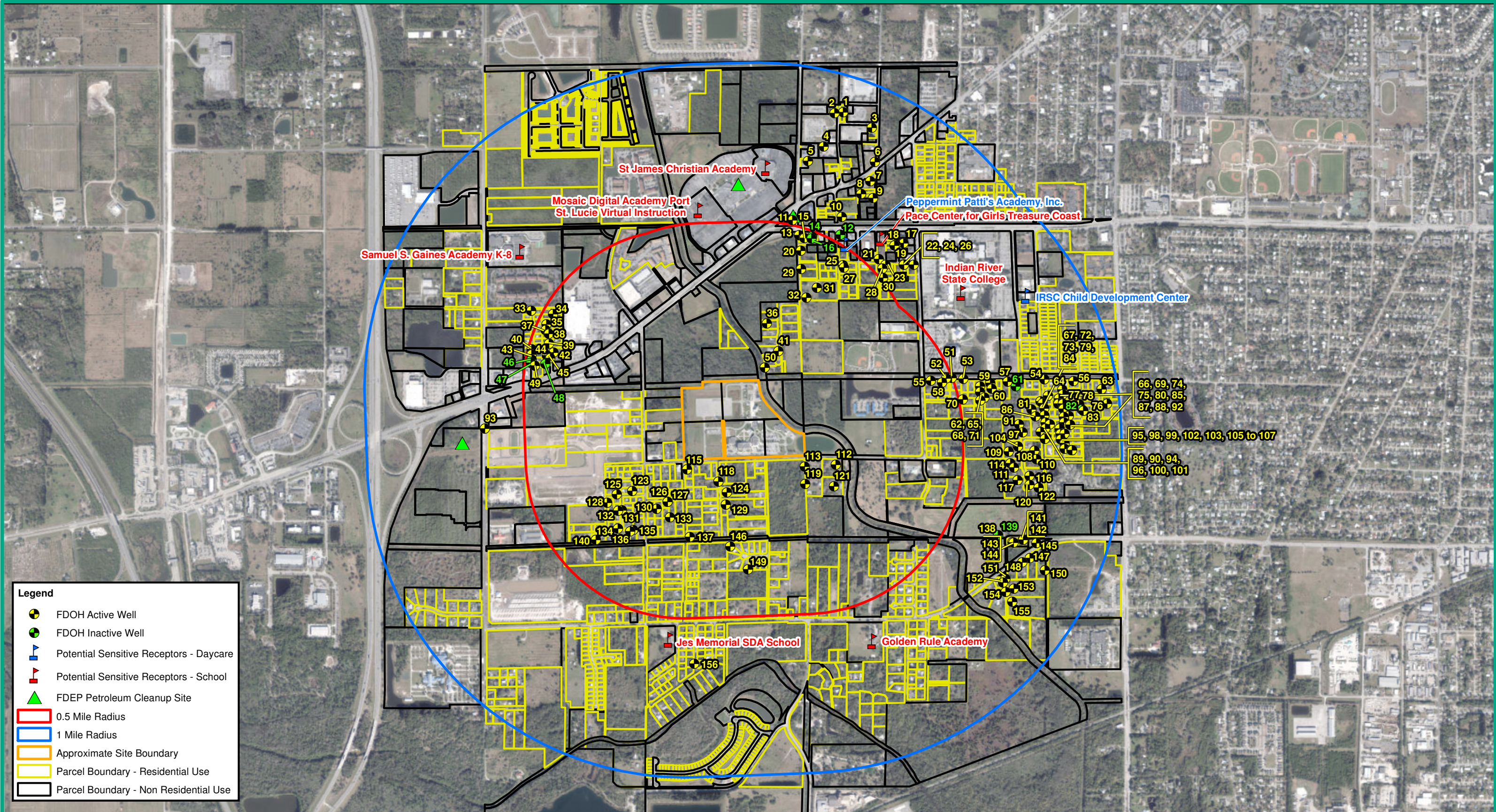


Figure 3
Water Wells and Potential Receptors Within a 1-mile Radius
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:

- Source of Florida Department of Health (FDOH) wells: well surveillance program data download dated 4 May 2023.
- Active indicates the well is used on a regular basis or will be used within a reasonable period of time (2-3 months). Inactive indicates the well has not been regularly used within the past 6-12 months but is maintained in such a state that it could be used.
- Source of Florida Department of Environmental Protection (FDEP) Petroleum Cleanup Sites: Map Direct: Contamination Locator Map data download dated 4 June 2020.
- Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
- Approximate Residential and Non Residential parcel boundaries obtained from St. Lucie County Property Appraiser's website, file date 18 October 2020 (<https://www.paslc.org/index.php/data-requests/>), Parcels identified by the property appraiser as GRZNG SLD C and UNCLSF D ACRG land use were conservatively assumed to be residential.
- 2017 World Imagery Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



1,500 Feet



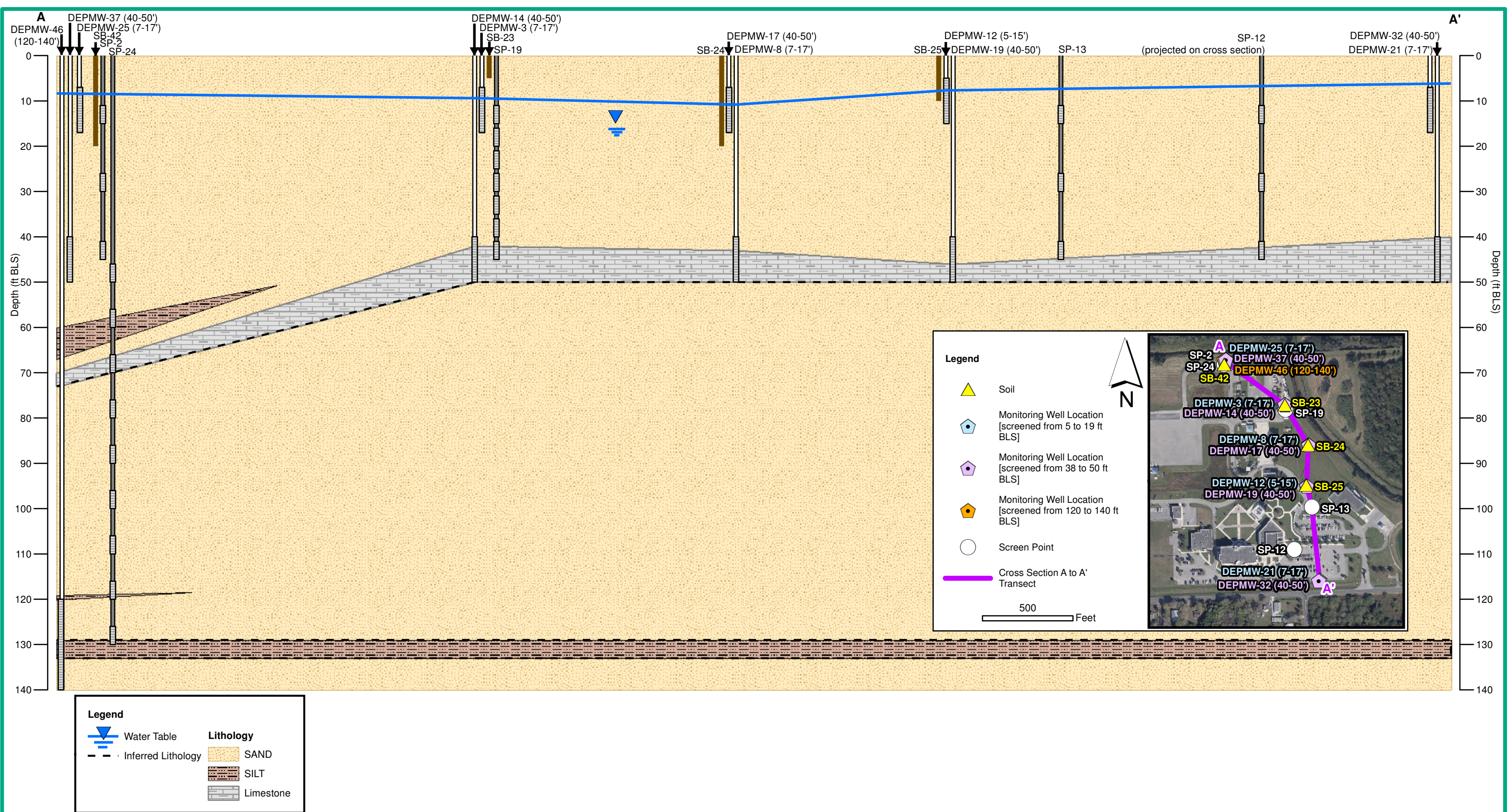
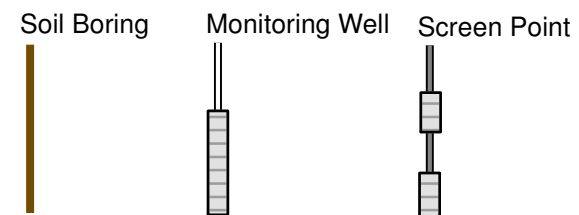


Figure 4
Cross Section A-A'
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:

1. ft BLS indicates feet below land surface.
2. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website

Date: May 29, 2023



100 Feet

Vertical Exaggeration = 5



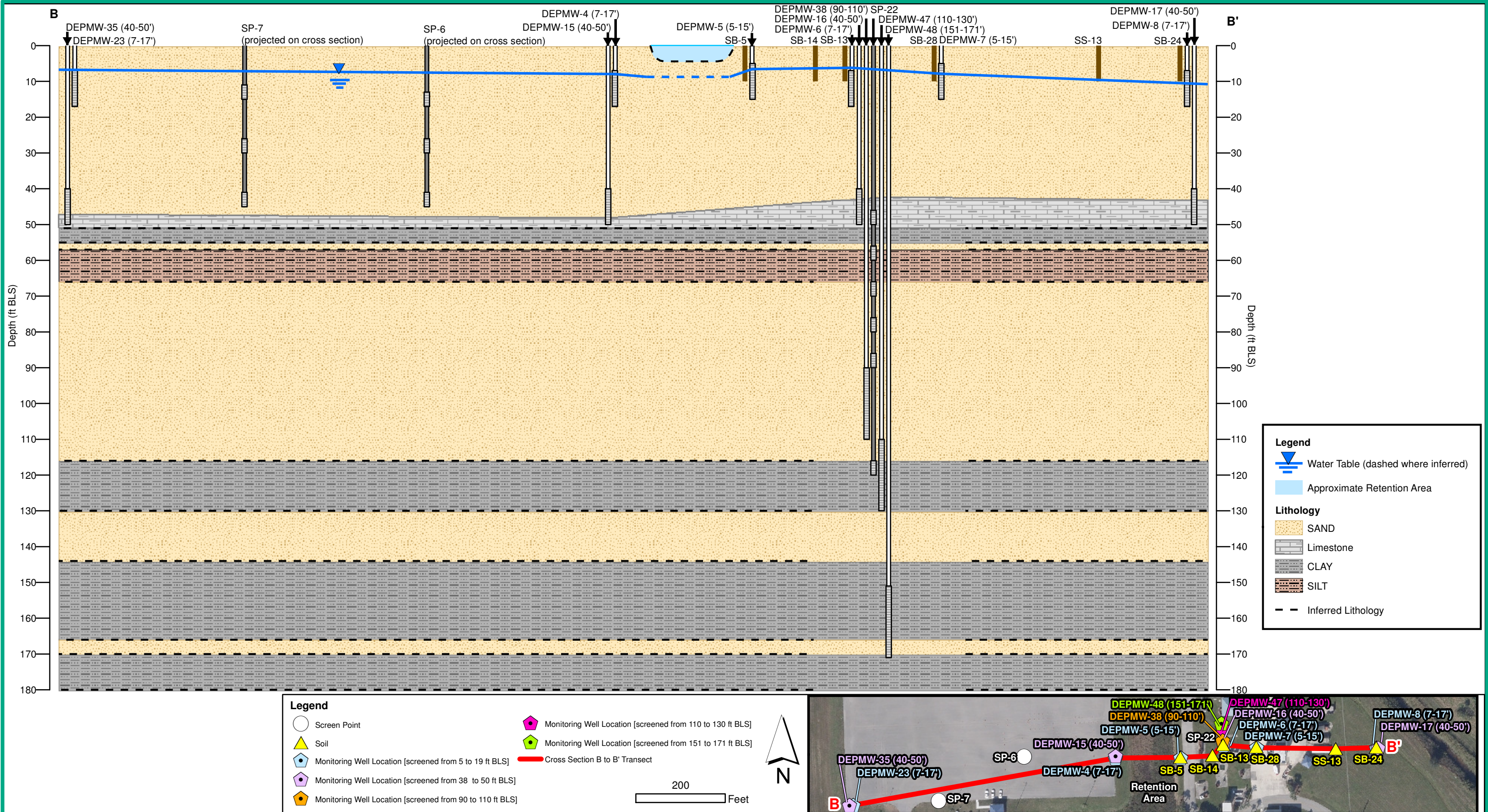
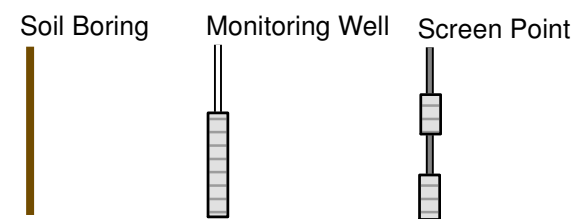


Figure 5
Cross Section B-B'
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:

1. ft BLS indicates feet below land surface.
2. The depth and width of the retention area are approximate.
3. Lithology was inferred below 50 ft BLS based on observed lithologic characterization at DEPMW-38 (90-110').
4. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website

Date: June 02, 2023



100 Feet
 Vertical Exaggeration = 4



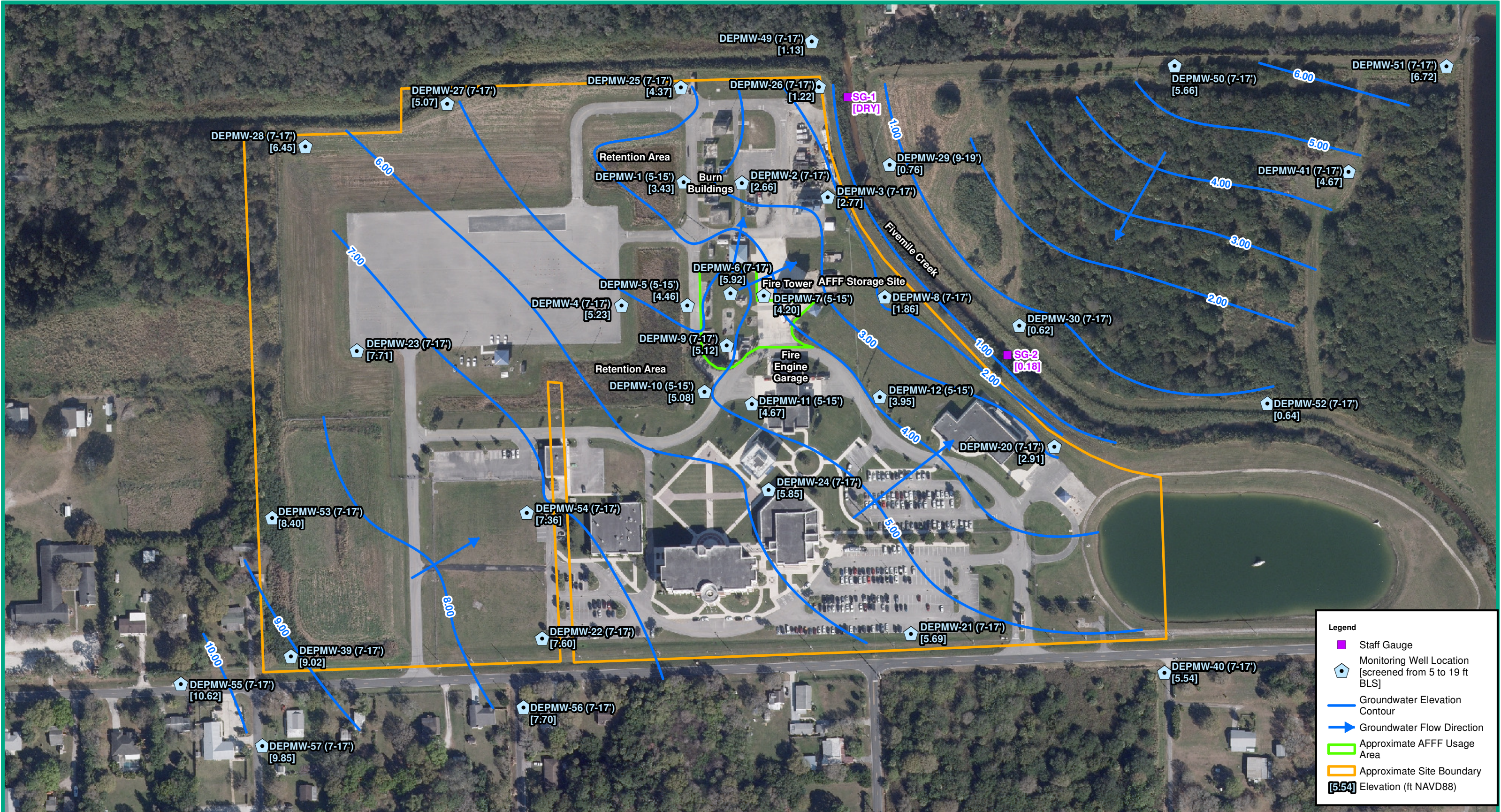


Figure 6
Surface Water and Groundwater Elevations 0 to 19 ft BLS
February 2023
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

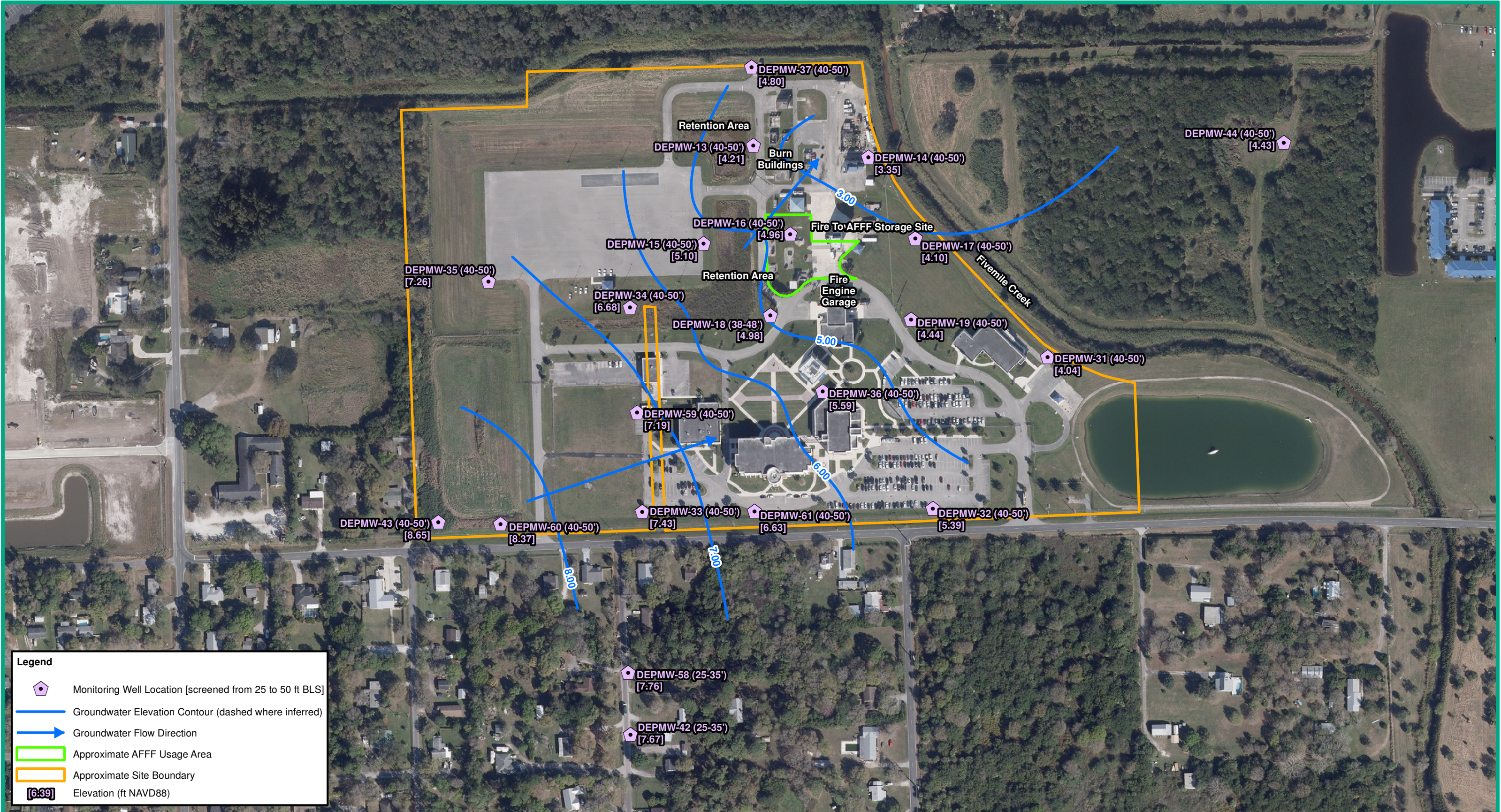
- Notes:
1. NAVD88 indicates North American Vertical Datum 1988.
 2. ft BLS indicates feet below land surface.
 3. Depth-to-water measurements were collected on 27 February 2023.
 4. AFFF indicates aqueous film forming foam.
 5. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
 6. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



200
Feet



Date: June 02, 2023



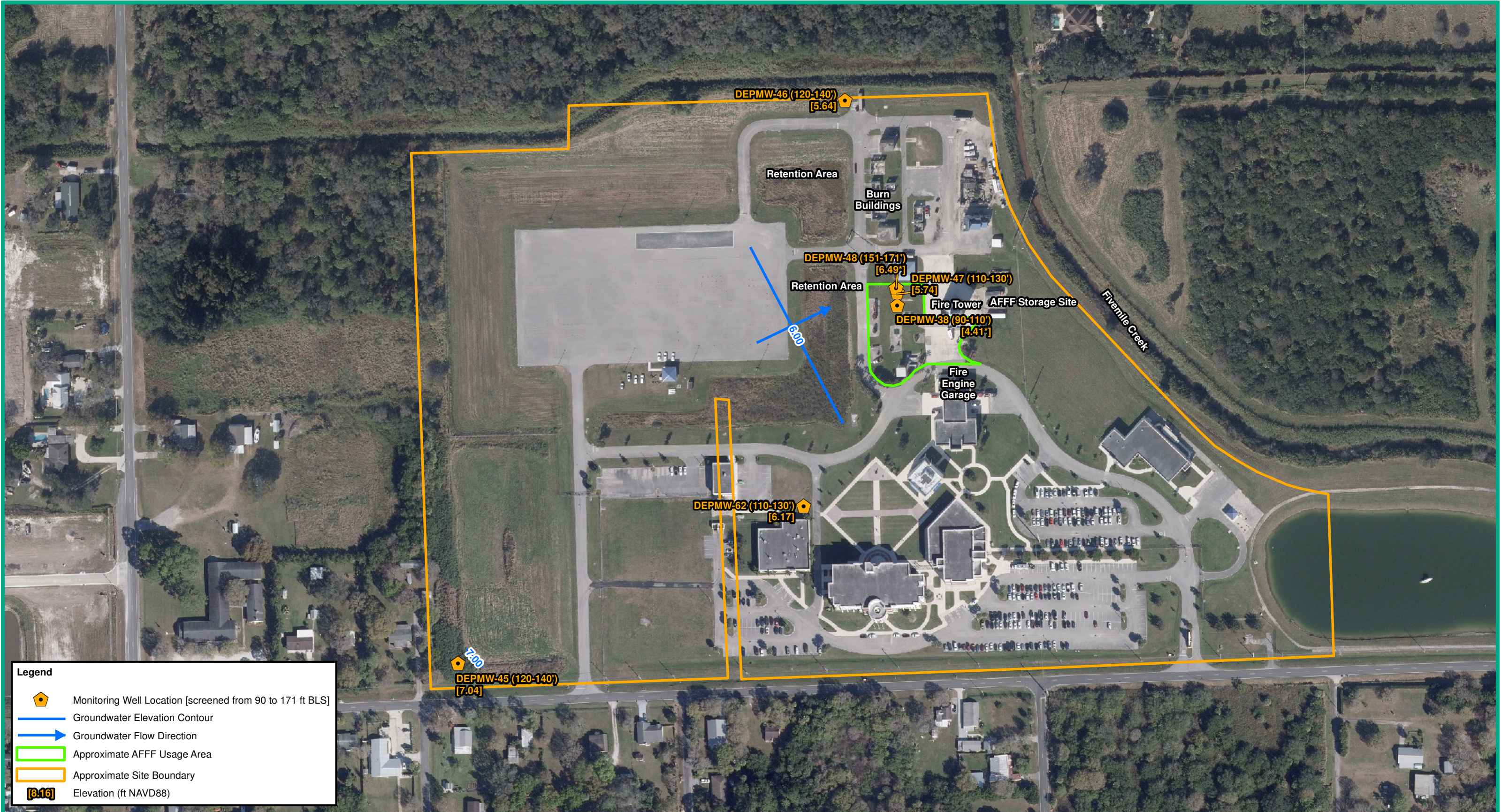
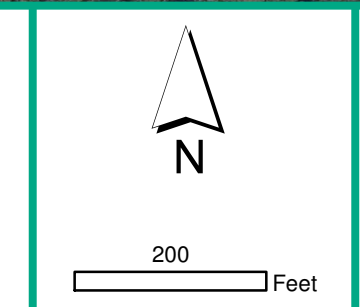


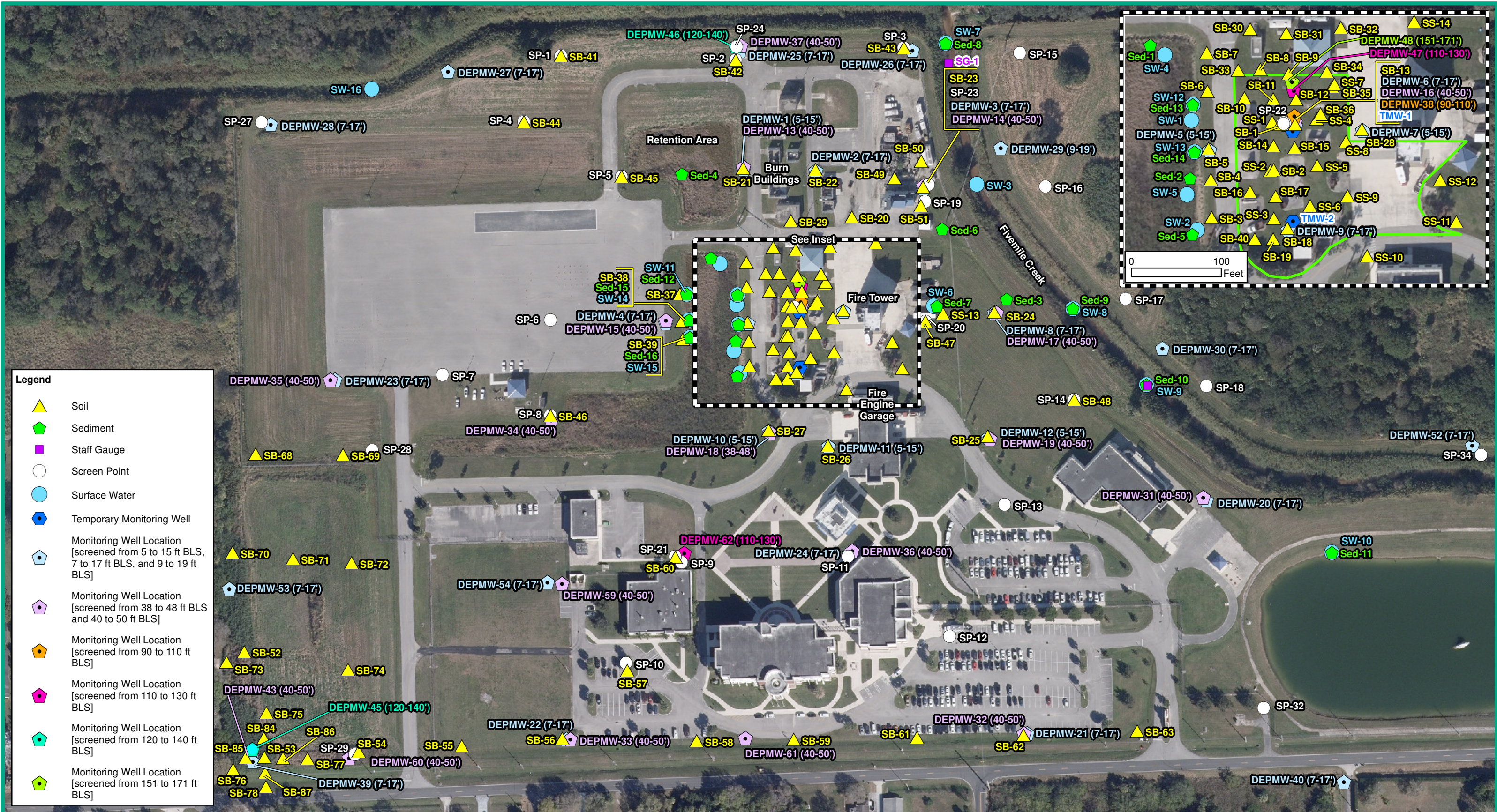
Figure 8
Groundwater Elevation Contour Map
from 90 to 171 ft BLS - February 2023
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:

1. NAVD88 indicates North American Vertical Datum 1988.
2. ft BLS indicates feet below land surface.
3. Depth-to-water measurements were collected on 27 February 2023.
4. AFFF indicates aqueous film forming foam.
5. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
6. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



Date: May 23, 2023



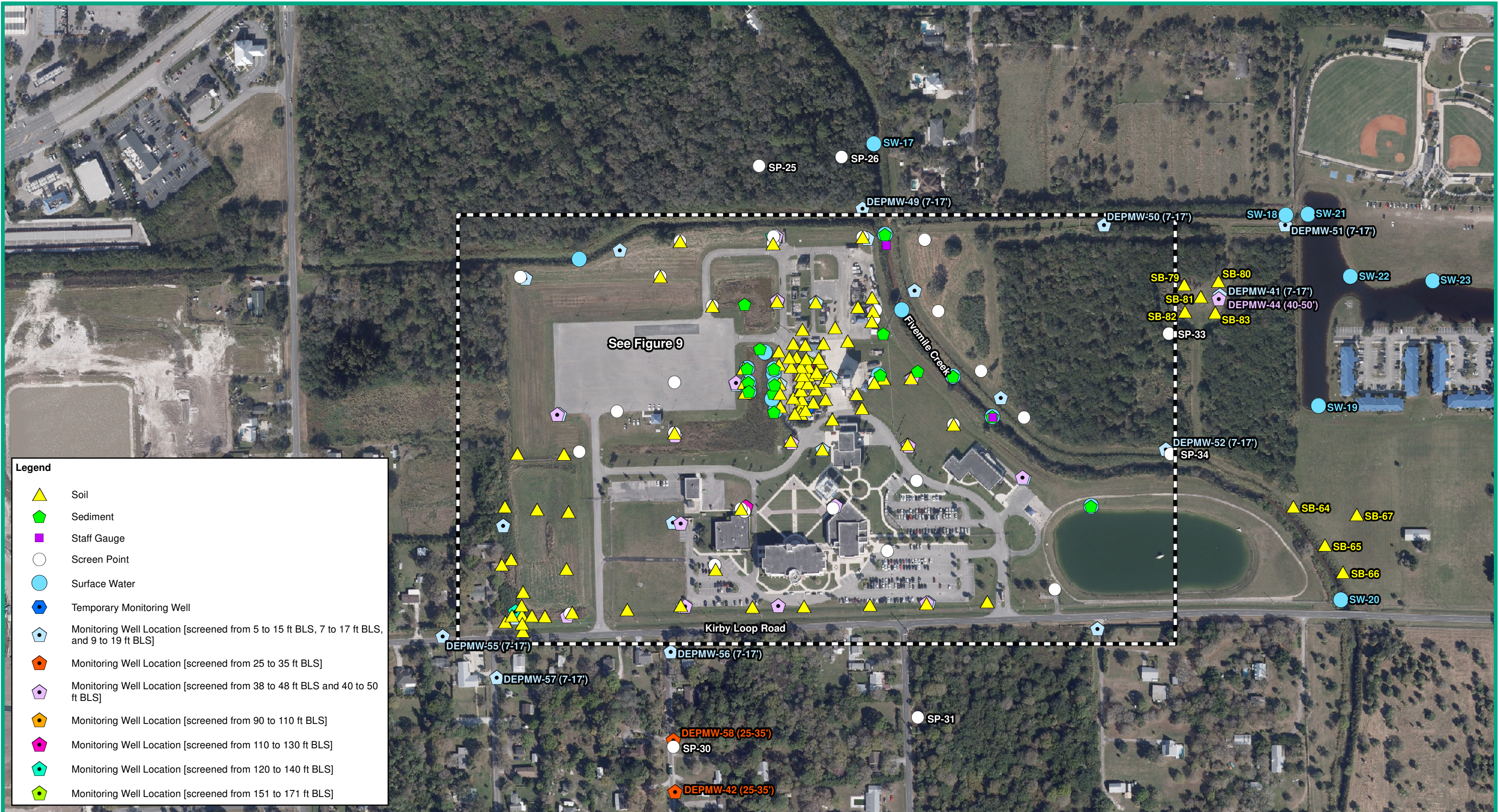
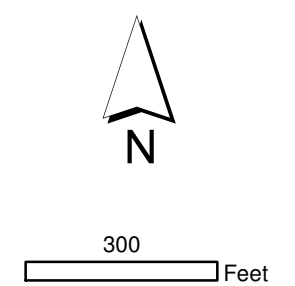


Figure 10
Offsite Sampling Locations
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:
 1. AFFF indicates aqueous film forming foam.
 2. ft BLS indicates feet below land surface.
 3. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
 4. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



Date: May 22, 2023



Figure 12
Summary of Analytical Results in Soil -
Perimeter Sampling Locations
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

- Notes:**
1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{kg}$).
 2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
 3. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
 4. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
 5. Depth is presented in feet (ft) below land surface (BLS).
 6. Gray shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection provisional leachability soil cleanup target level (SCTL).
 7. AFFF indicates aqueous film forming foam.

8. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
9. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctane sulfonate (PFOS)	Perfluorooctanoic acid (PFOA)
Residential SCTL	1,300	1,300
Industrial SCTL	25,000	25,000
Leachability SCTL	7	2



300
Feet



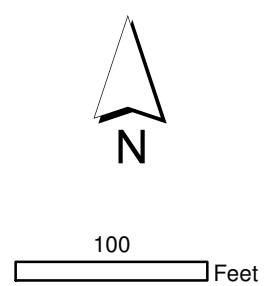


Figure 13
PFOS Results in Soil from 0 to 0.5 ft BLS
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:
1. Results and screening criteria are presented in micrograms per kilogram (µg/kg).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
4. J indicates estimated value and/or the analysis did not meet the quality control criteria.
5. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
6. * indicates location was collected during 2019 preliminary assessment activities from 0 to 1 feet (ft) below land surface (BLS).
7. + indicates not used to generate contour.
8. SCTL indicates soil cleanup target level.
9. AFFF indicates aqueous film forming foam.
10. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
11. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctane sulfonate (PFOS)
Leachability SCTL	7
Residential SCTL	1,300
Industrial SCTL	25,000

Date: May 29, 2023



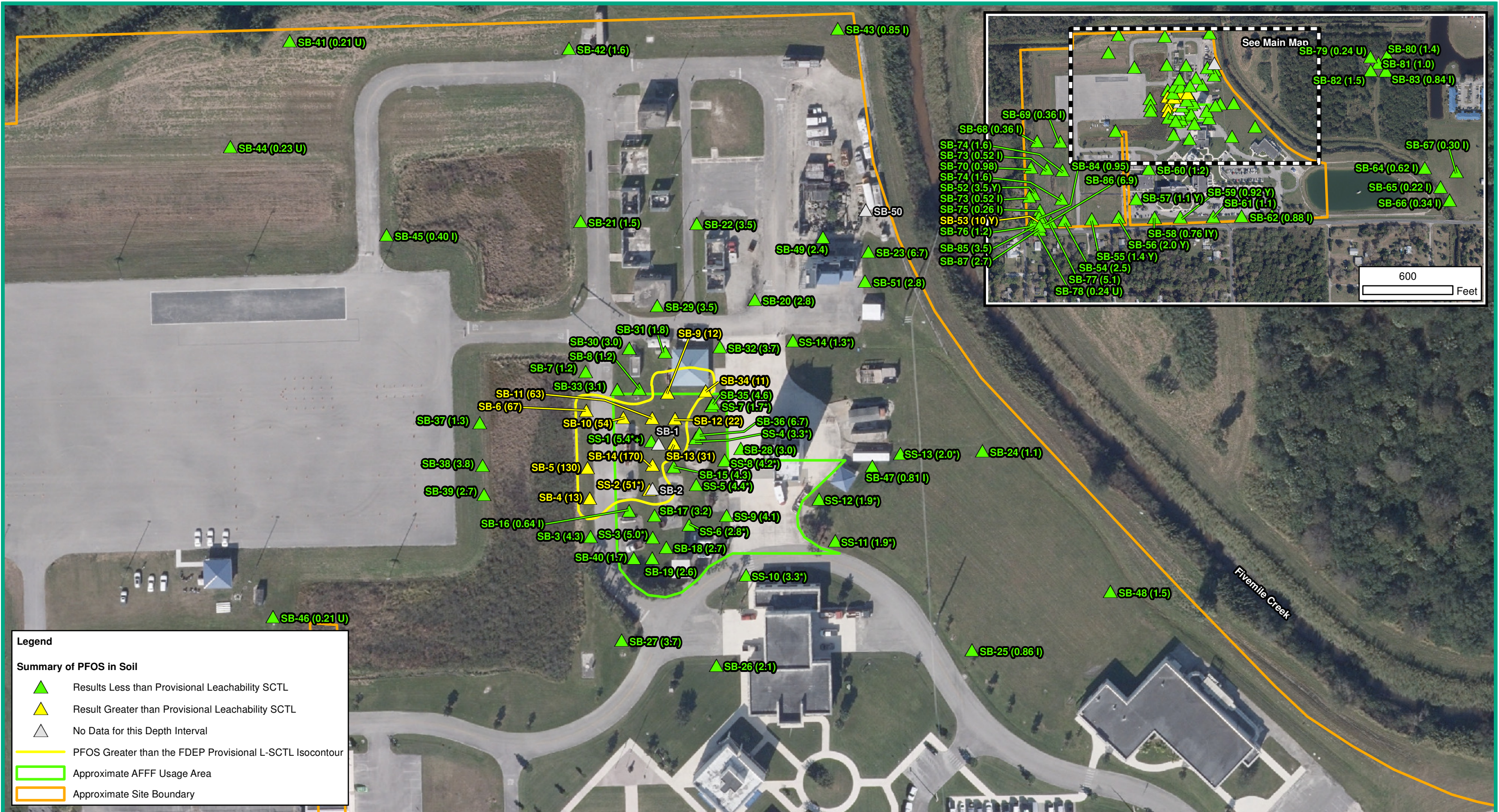
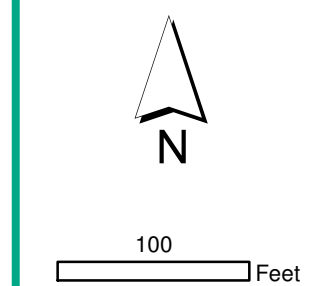


Figure 14
PFOS Results in Soil from 0.5 to 2 ft BLS
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:
1. Results and screening criteria are presented in micrograms per kilogram (µg/kg).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
4. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
5. * indicates location was collected during 2019 preliminary assessment activities from 1 to 2 feet (ft) below land surface (BLS).
6. + indicates not used to generate contour.
7. SCTL indicates soil cleanup target level.
8. AFFF indicates aqueous film forming foam.
9. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
10. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctane sulfonate (PFOS)
Leachability SCTL	7
Residential SCTL	1,300
Industrial SCTL	25,000



Date: May 29, 2023

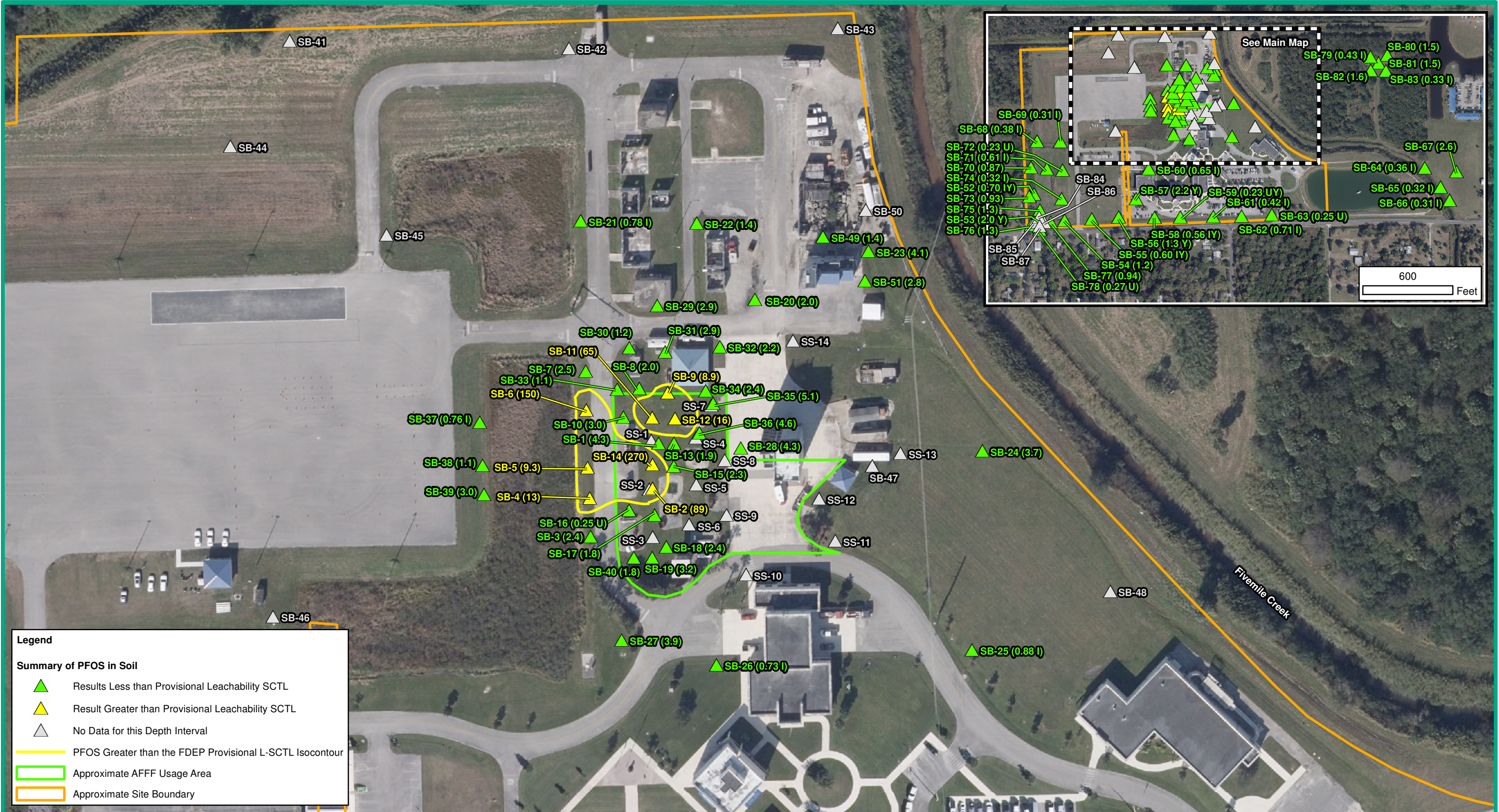
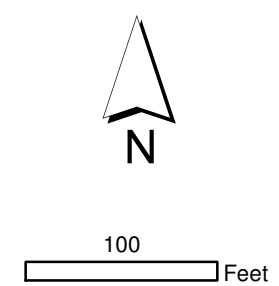


Figure 15
PFOS Results in Soil from 2 to 4 ft BLS
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:

1. Results and screening criteria are presented in micrograms per kilogram (µg/kg).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
4. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
5. ft BLS indicates feet below land surface.
6. SCTL indicates soil cleanup target level.
7. AFFF indicates aqueous film forming foam.
8. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
9. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctane sulfonate (PFOS)
Leachability SCTL	7
Residential SCTL	1,300
Industrial SCTL	25,000



Date: May 29, 2023

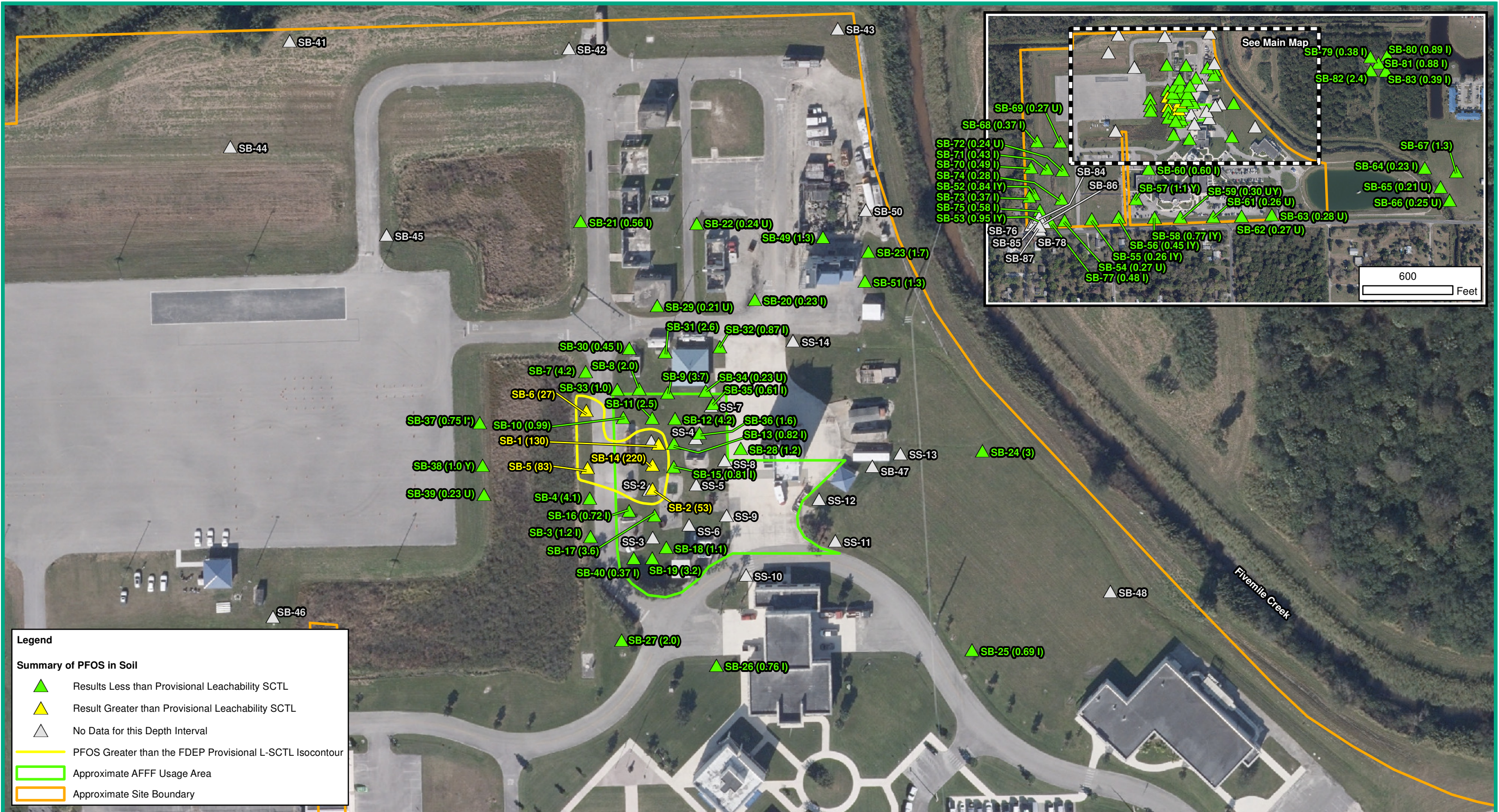


Figure 16
PFOS Results in Soil from 5 to 7 ft BLS
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:

1. Results and screening critieria are presented in micrograms per kilogram ($\mu\text{g}/\text{kg}$).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
4. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
5. * indicates result represents soil from 5 to 10 feet (ft) below land surface (BLS).
6. SCTL indicates soil cleanup target level.
7. AFFF indicates aqueous film forming foam.
8. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
9. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctane sulfonate (PFOS)
Leachability SCTL	7
Residential SCTL	1,300
Industrial SCTL	25,000



100 Feet



Date: May 26, 2023



Figure 17
PFOS Results in Soil from 8 to 10 ft BLS
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

- Notes:**
1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{kg}$).
 2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
 3. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
 4. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
 5. * indicates result represents soil from 5 to 10 feet (ft) below land surface (BLS).
 6. SCTL indicates soil cleanup target level.
 7. AFFF indicates aqueous film forming foam.
 8. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
 9. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctane sulfonate (PFOS)
Leachability SCTL	7
Residential SCTL	1,300
Industrial SCTL	25,000



100 Feet



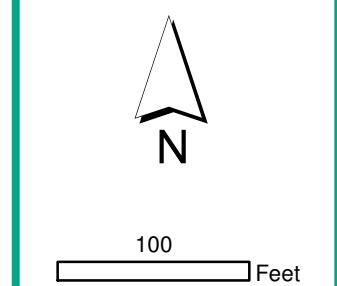
Date: May 26, 2023



Figure 18
PFOA Results in Soil from 0 to 0.5 ft BLS
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

- Notes:**
1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{kg}$).
 2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
 3. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
 4. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
 5. * indicates location was collected during 2019 preliminary assessment activities from 0 to 1 feet (ft) below land surface (BLS).
 6. SCTL indicates soil cleanup target level.
 7. AFFF indicates aqueous film forming foam.
 8. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
 9. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctanoic acid (PFOA)
Leachability SCTL	2
Residential SCTL	1,300
Industrial SCTL	25,000



Date: May 26, 2023

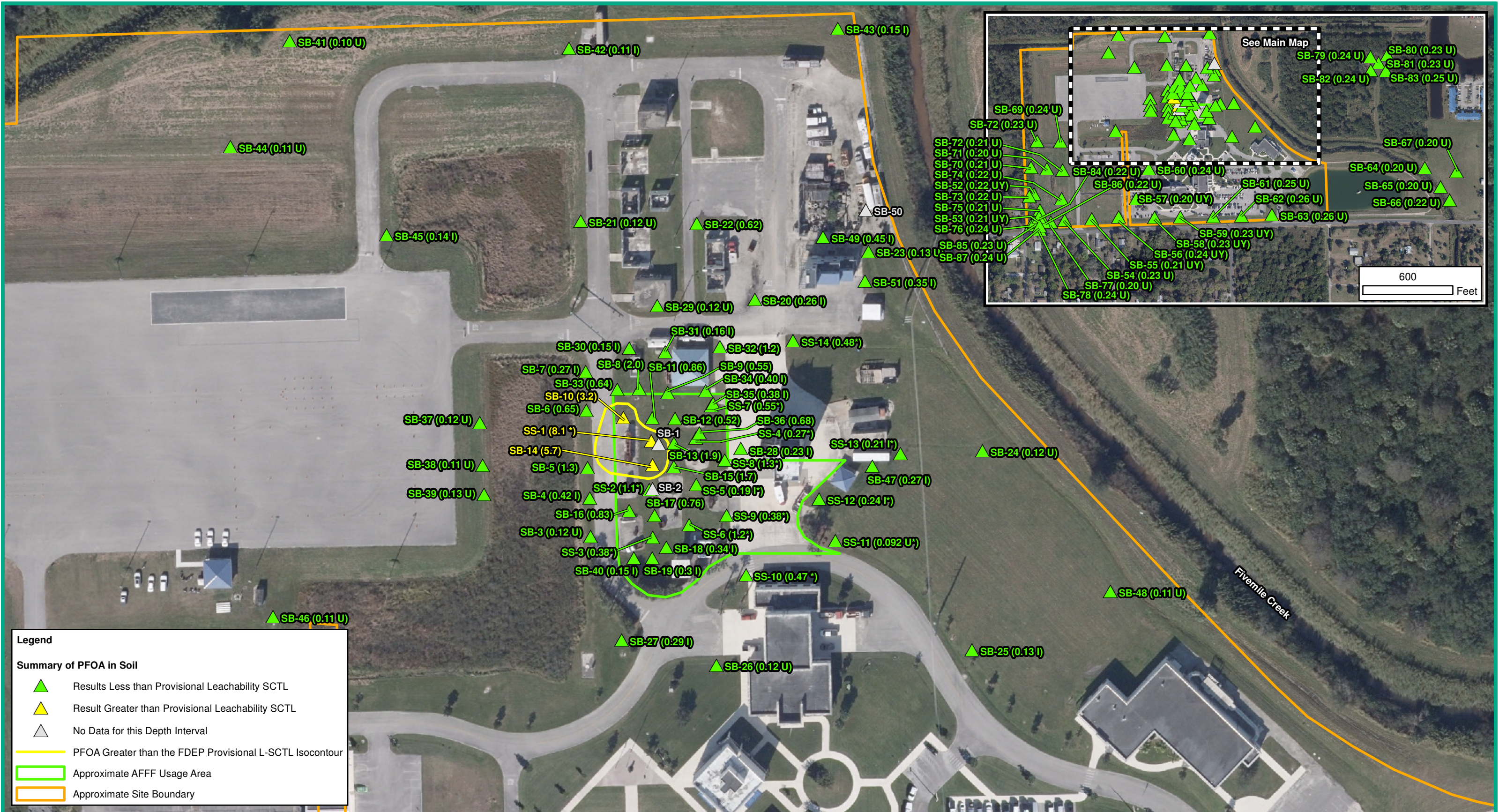
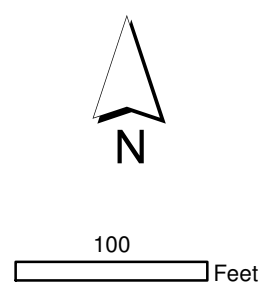


Figure 19
PFOA Results in Soil from 0.5 to 2 ft BLS
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

- Notes:**
1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{kg}$).
 2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
 3. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
 4. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
 5. * indicates location was collected during 2019 preliminary assessment activities from 1 to 2 feet (ft) below land surface (BLS).
 6. SCTL indicates soil cleanup target level.
 7. AFFF indicates aqueous film forming foam.
 8. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
 9. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctanoic acid (PFOA)
Leachability SCTL	2
Residential SCTL	1,300
Industrial SCTL	25,000

Date: May 26, 2023



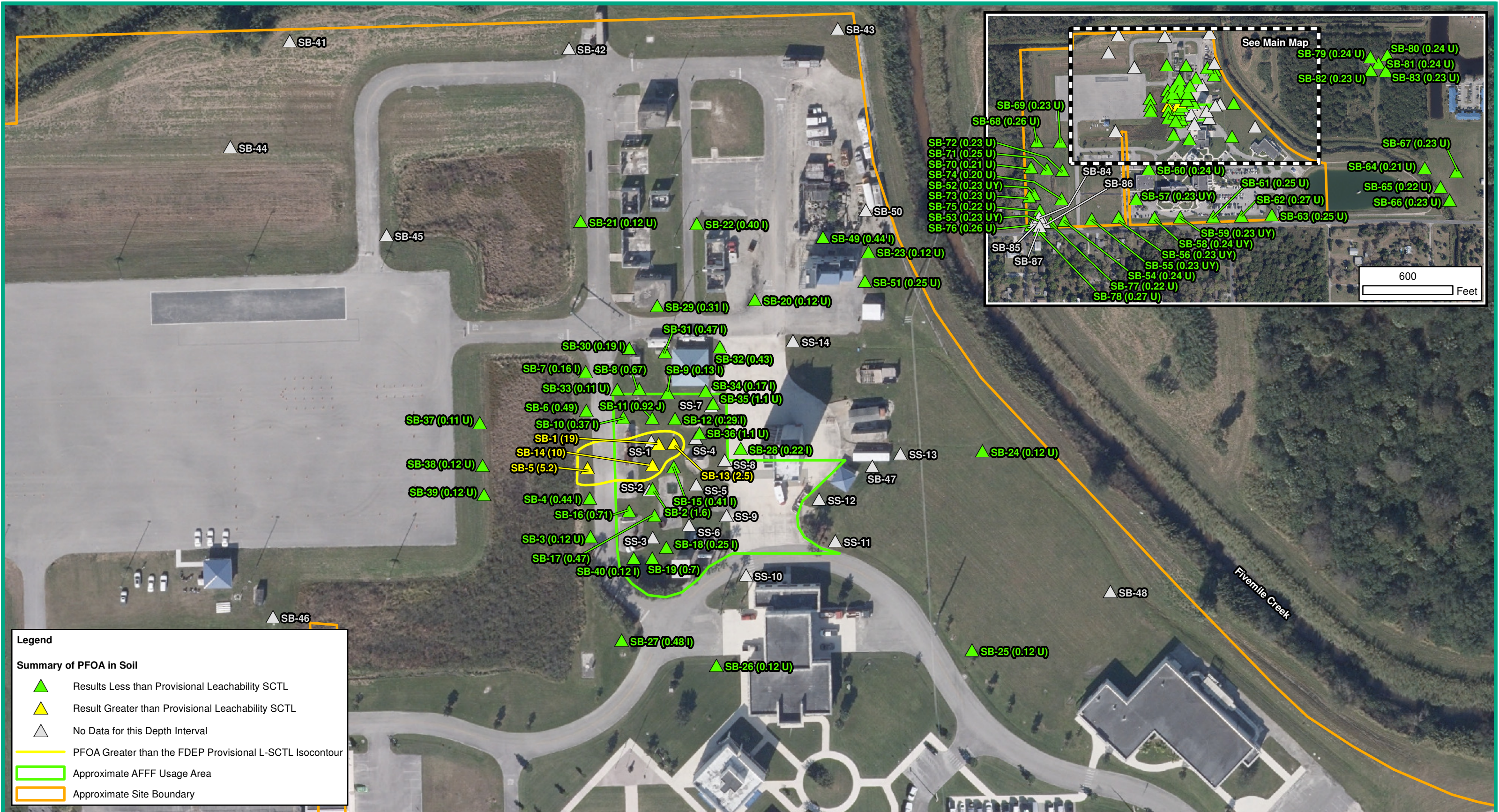


Figure 20
PFOA Results in Soil from 2 to 4 ft BLS
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:

1. Results and screening criteria are presented in micrograms per kilogram (µg/kg).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. J indicates estimated value and/or the analysis did not meet the quality control criteria.
4. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
5. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
6. ft BLS indicates feet below land surface.
7. SCTL indicates soil cleanup target level.
8. AFFF indicates aqueous film forming foam.
9. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
10. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctanoic acid (PFOA)
Leachability SCTL	2
Residential SCTL	1,300
Industrial SCTL	25,000

Date: May 29, 2023

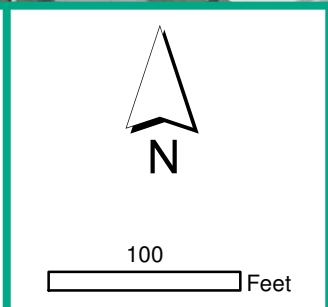




Figure 21
PFOA Results in Soil from 5 to 7 ft BLS
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

- Notes:
1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{kg}$).
 2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
 3. J indicates estimated value and/or the analysis did not meet the quality control criteria.
 4. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
 5. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
 6. * indicates result represents soil from 5 to 10 feet (ft) below land surface (BLS).
 7. SCTL indicates soil cleanup target level.
 8. AFFF indicates aqueous film forming foam.
 9. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
 10. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctanoic acid (PFOA)
Leachability SCTL	2
Residential SCTL	1,300
Industrial SCTL	25,000

Date: May 29, 2023

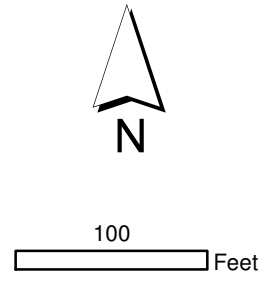


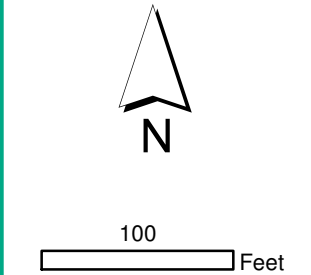


Figure 22
PFOA Results in Soil from 8 to 10 ft BLS
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:

1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{kg}$).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
4. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
5. * indicates result represents soil from 5 to 10 feet (ft) below land surface (BLS).
6. SCTL indicates soil cleanup target level.
7. AFFF indicates aqueous film forming foam.
8. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
9. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctanoic acid (PFOA)
Leachability SCTL	2
Residential SCTL	1,300
Industrial SCTL	25,000



Date: May 29, 2023

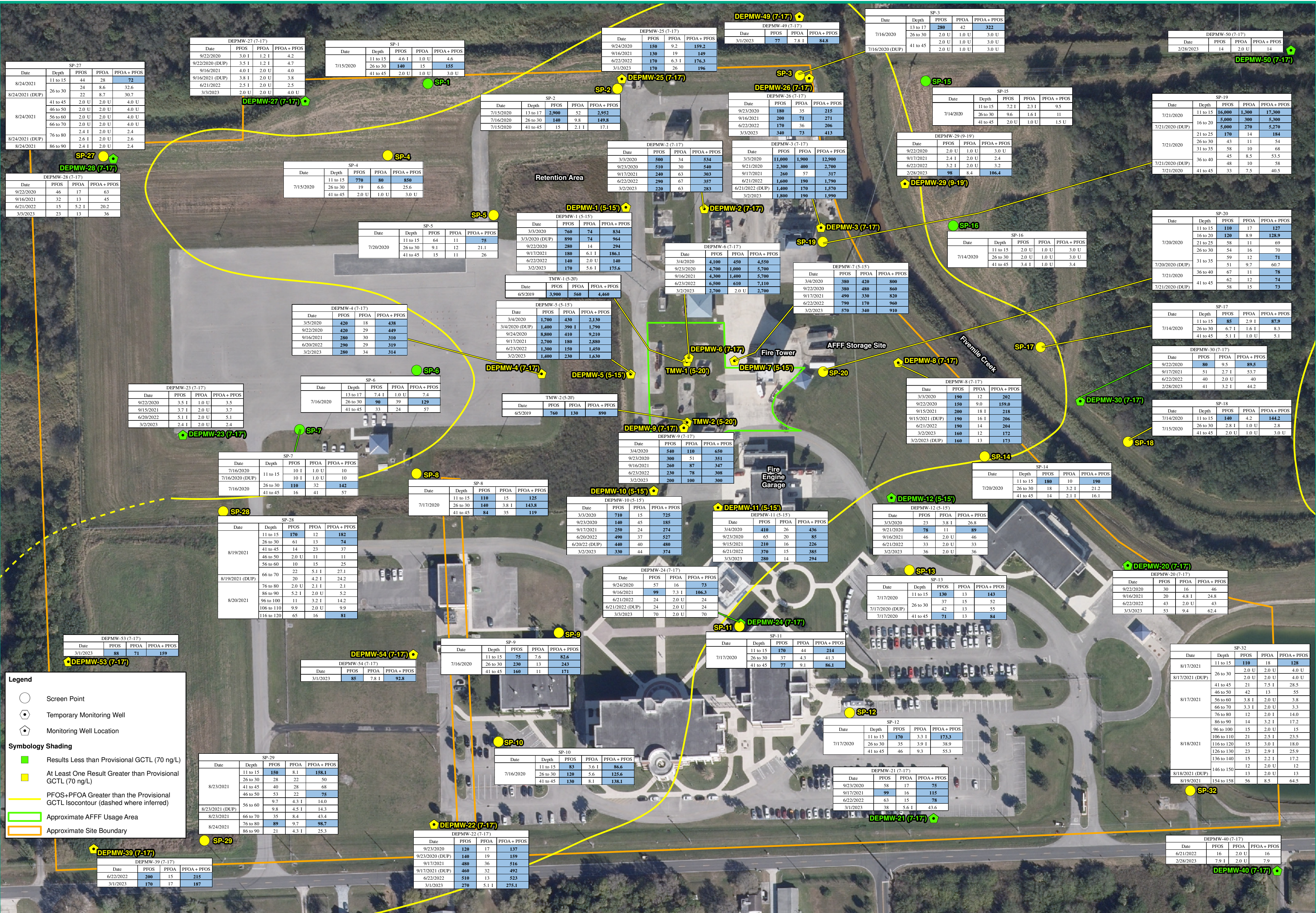


Figure 23
Summary of Analytical Results in Groundwater
from 5 to 25 ft BLS
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:
1. Results are provided in nanograms per liter (ng/L).
2. Depth is provided in feet below land surface (ft BLS).
3. Drawn contours consider monitoring well and direct push (SP) sampling locations and weight is given to recent monitoring well data in areas of conflict.
4. I indicates result is detection limit and the laboratory practical quantitation limit.
5. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
6. DUP indicates duplicate sample.
7. TMW indicates temporary monitoring well.
8. PFOS + PFOA indicates the summation of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA).
9. Blue shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection provisional groundwater cleanup target level (GCTL) of 70 ng/L.
10. Contours were generated using the summation concentration of PFOS + PFOA. The higher concentration between a sample and its duplicate was utilized.
11. AFFF indicates aqueous film forming foam.
12. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
13. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

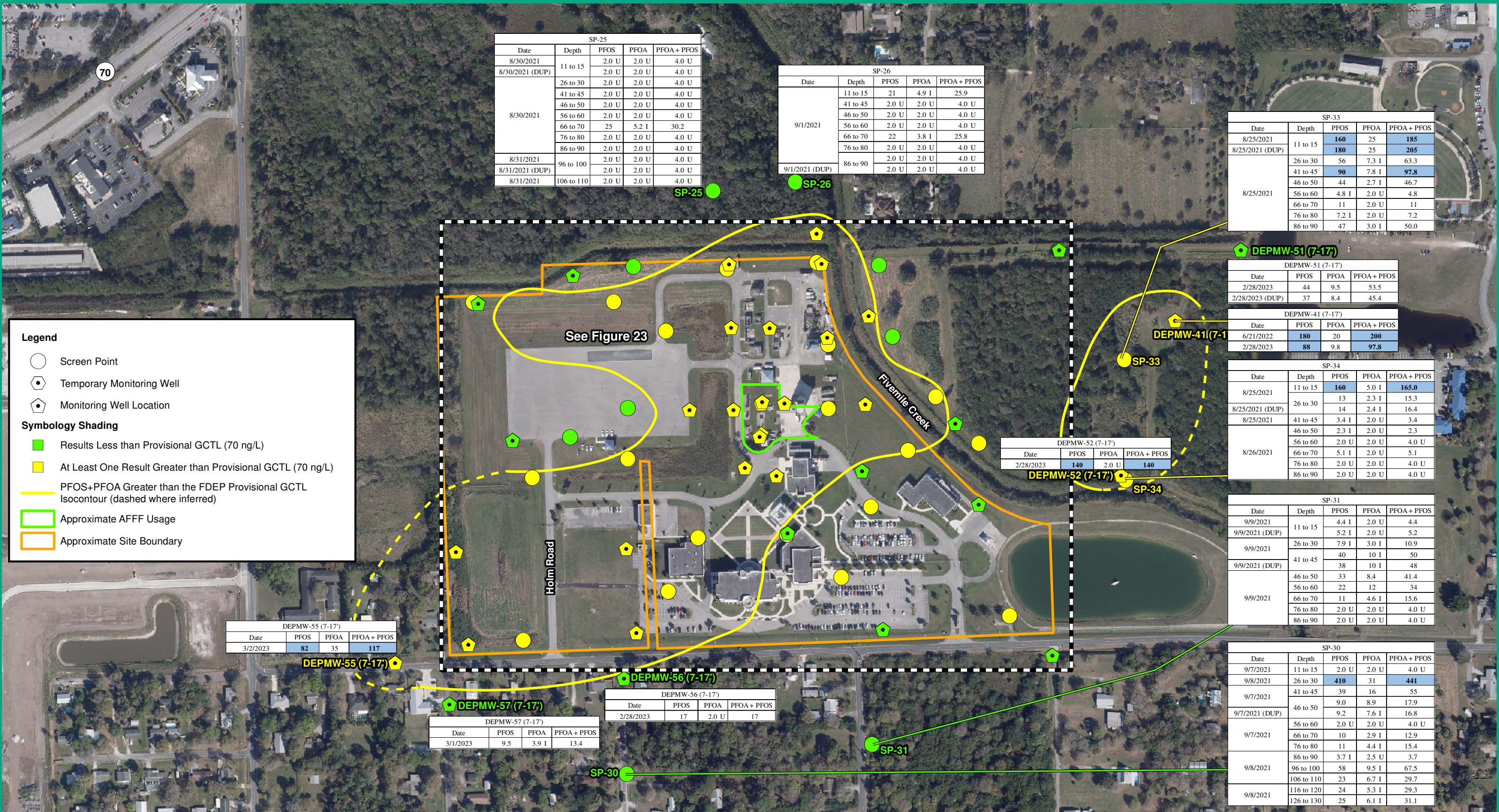


Figure 24
Summary of Analytical Results in Groundwater
from 5 to 25 ft BLS
Perimeter Sampling Locations
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

- Notes:**
1. Results are provided in nanograms per liter (ng/L).
 2. Depth is provided in feet below land surface (ft BLS).
 3. Drawn contours consider monitoring well and direct push (SP) sampling locations and weight is given to recent monitoring well data in areas of conflict.
 4. I indicates result is between the laboratory method detection limit and the laboratory practical quantitation limit.
 5. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
 6. DUP indicates duplicate sample.
 7. PFOS + PFOA indicates the summation of perfluorooctane sulfonate (PFOS) and perfluorooctanic acid (PFOA).
 8. Blue shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection provisional groundwater cleanup target level (GCTL) of 70 ng/L.
 9. Contours were generated using the summation concentration of PFOS + PFOA. The higher concentration between a sample and its duplicate was utilized.
 10. AFFF indicates aqueous film forming foam.
 11. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
 12. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



300
Feet



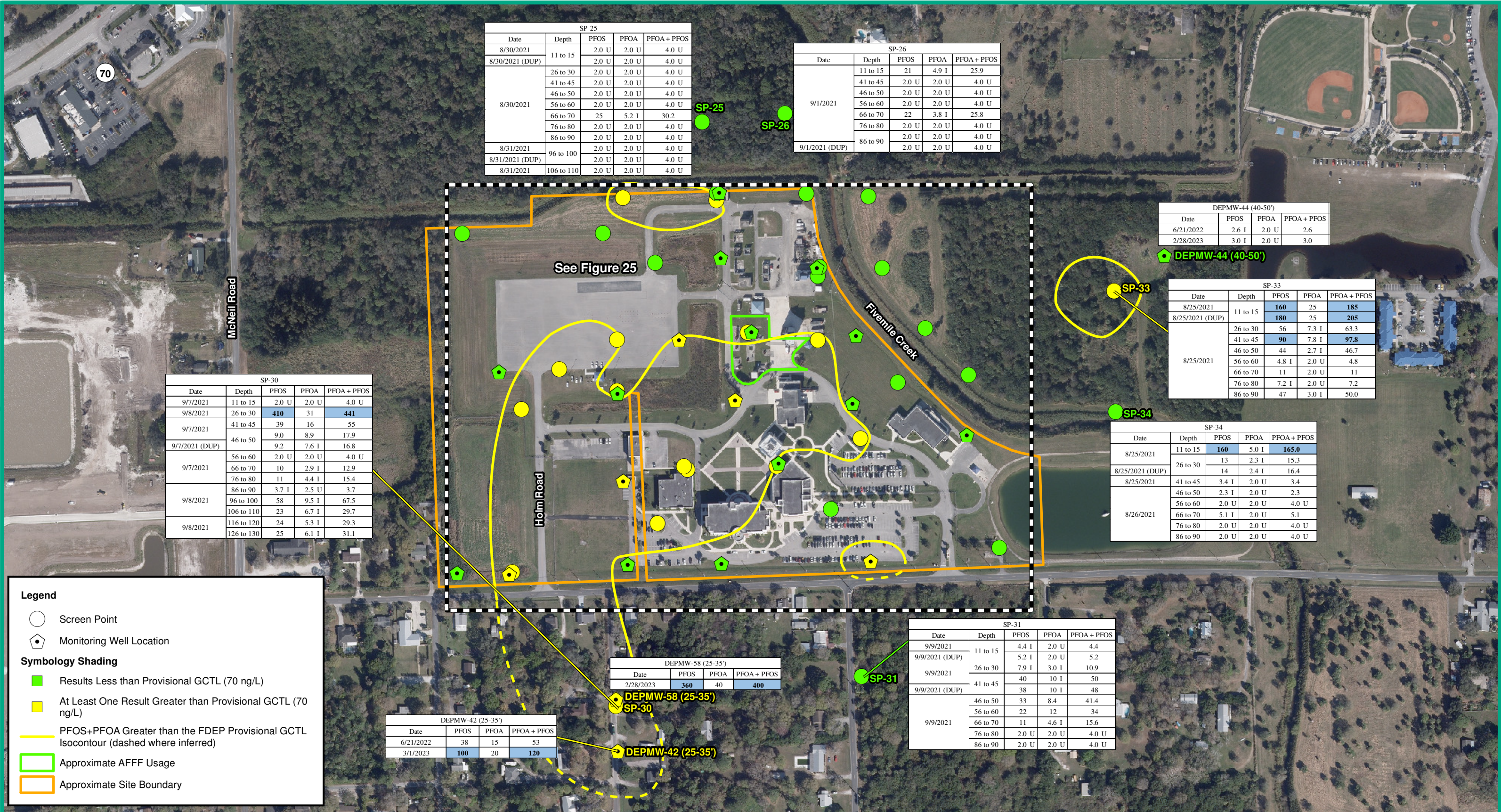


Figure 26
Summary of Analytical Results in Groundwater from 25 to 70 ft BLS
Perimeter Sampling Locations
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:

- Results are provided in nanograms per liter (ng/L).
- Depth is provided in feet below land surface (ft BLS).
- Drawn contours consider monitoring well and direct push (SP) sampling locations and weight is given to recent monitoring well data in areas of conflict.
- I indicates result is between the laboratory method detection limit and the laboratory practical quantitation limit.
- U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
- DUP indicates duplicate sample.
- TMW indicates temporary monitoring well.
- PFOS + PFOA indicates the summation of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA).
- Blue shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection provisional groundwater cleanup target level (GCTL) of 70 ng/L.
- Contours were generated using the summation concentration of PFOS + PFOA. The higher concentration between a sample and its duplicate was utilized.
- AFFF indicates aqueous film forming foam.
- Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
- Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



300
Feet



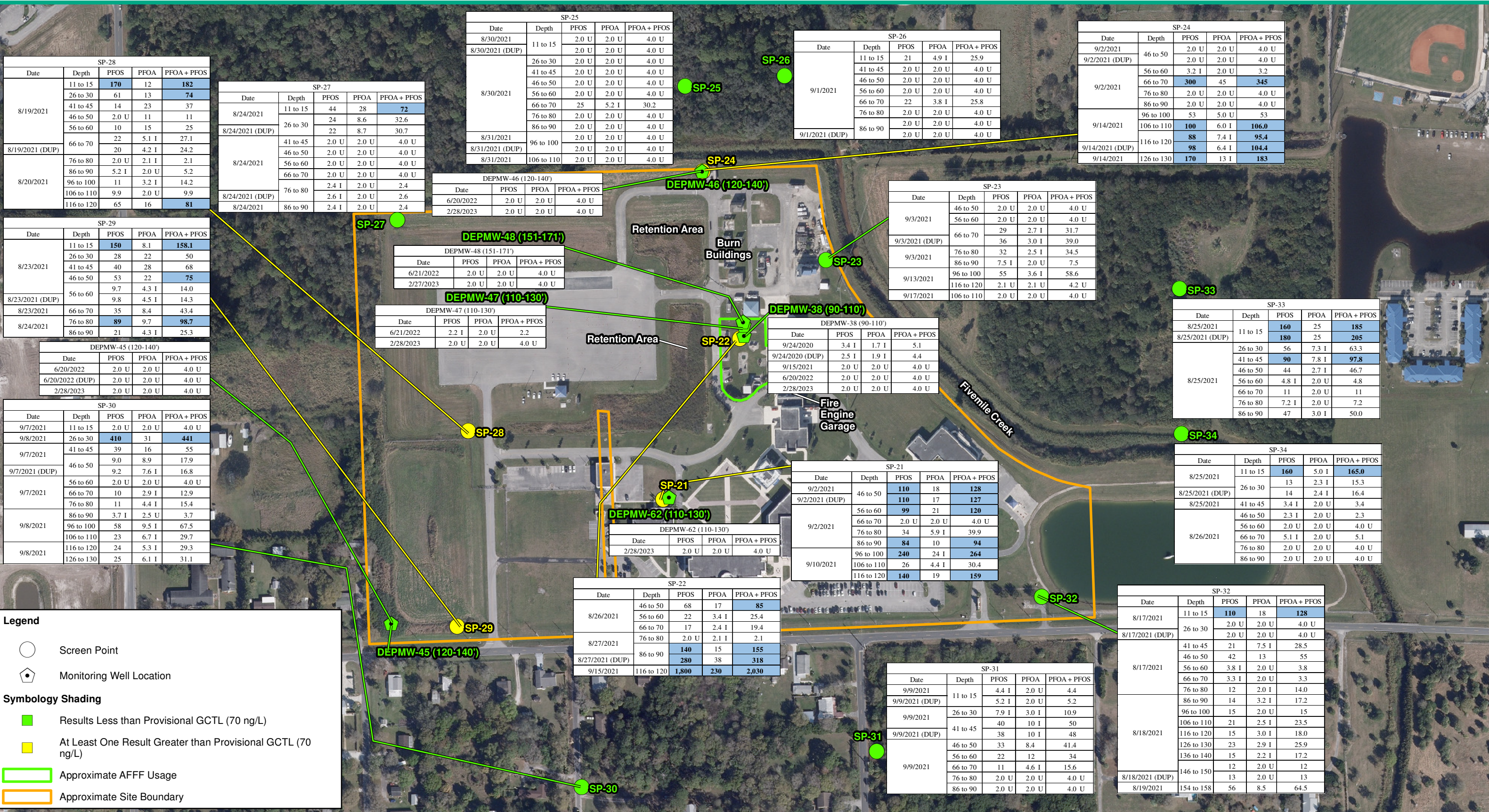


Figure 27
Summary of Analytical Results in Groundwater
from 76 to 171 ft BLS
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:
1. Results are provided in nanograms per liter (ng/L).
2. Depth is provided in feet below land surface (ft BLS).
3. Based on the current monitoring well data, this depth interval is not impacted by PFAS concentrations greater than provisional GCTLs.
4. I indicates result is between the laboratory method detection limit and the laboratory practical quantitation limit.
5. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
6. DUP indicates duplicate sample.
7. PFOS + PFOA indicates the summation of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA).
8. Blue shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection provisional groundwater cleanup target level (GCTL) of 70 ng/L.
9. Contours were generated using the summation concentration of PFOS + PFOA. The higher concentration between a sample and its duplicate was utilized.
10. AFFF indicates aqueous film forming foam.
11. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
12. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Date: June 02, 2023



250
Feet



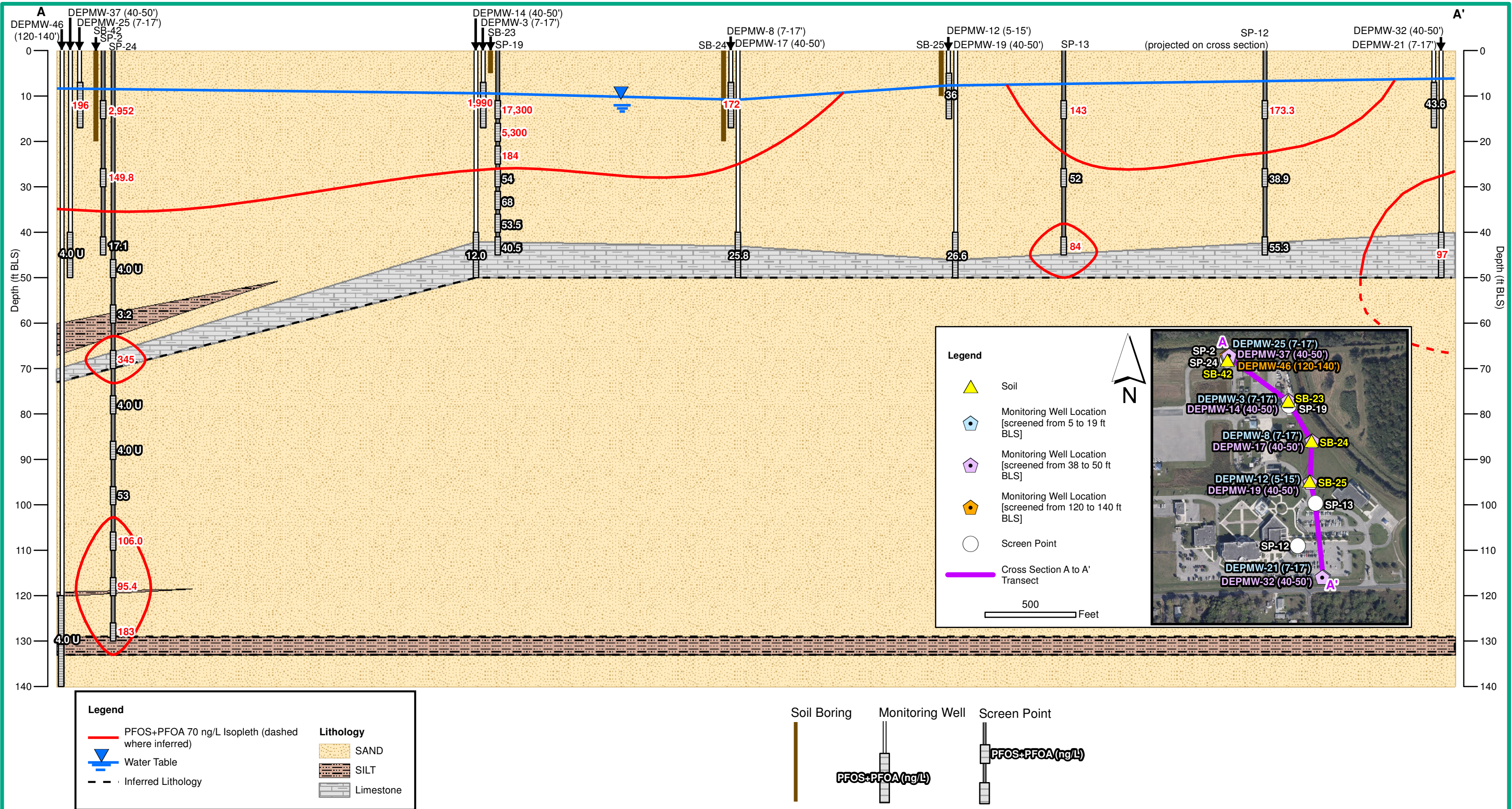


Figure 28
Vertical Extent of PFOS and PFOA in
Groundwater From A-A'
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

Notes:

1. ft BLS indicates feet below land surface.
2. Results are provided in nanograms per liter (ng/L).
3. I indicates result is between the laboratory method detection limit(MDL) and the laboratory practical quantitation limit.
4. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
5. Analytical results are shown for the summation of perfluorooctanesulfonic acid (PFOS) and perfluorooctanic acid (PFOA).
6. The Florida Department of Environmental Protection provisional groundwater cleanup target level (GCTL) for the summation of PFOS and PFOA is 70 ng/L.
7. Contours were generated using the summation concentration of PFOS + PFOA. The highest concentration between a sample and its duplicate was utilized.
8. Red text indicates result is greater than the PFOS+PFOA GCTL.
9. Groundwater boring SP-24 extends below the depth of the known lithology depicted in the cross-section.
10. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Date: May 29, 2023



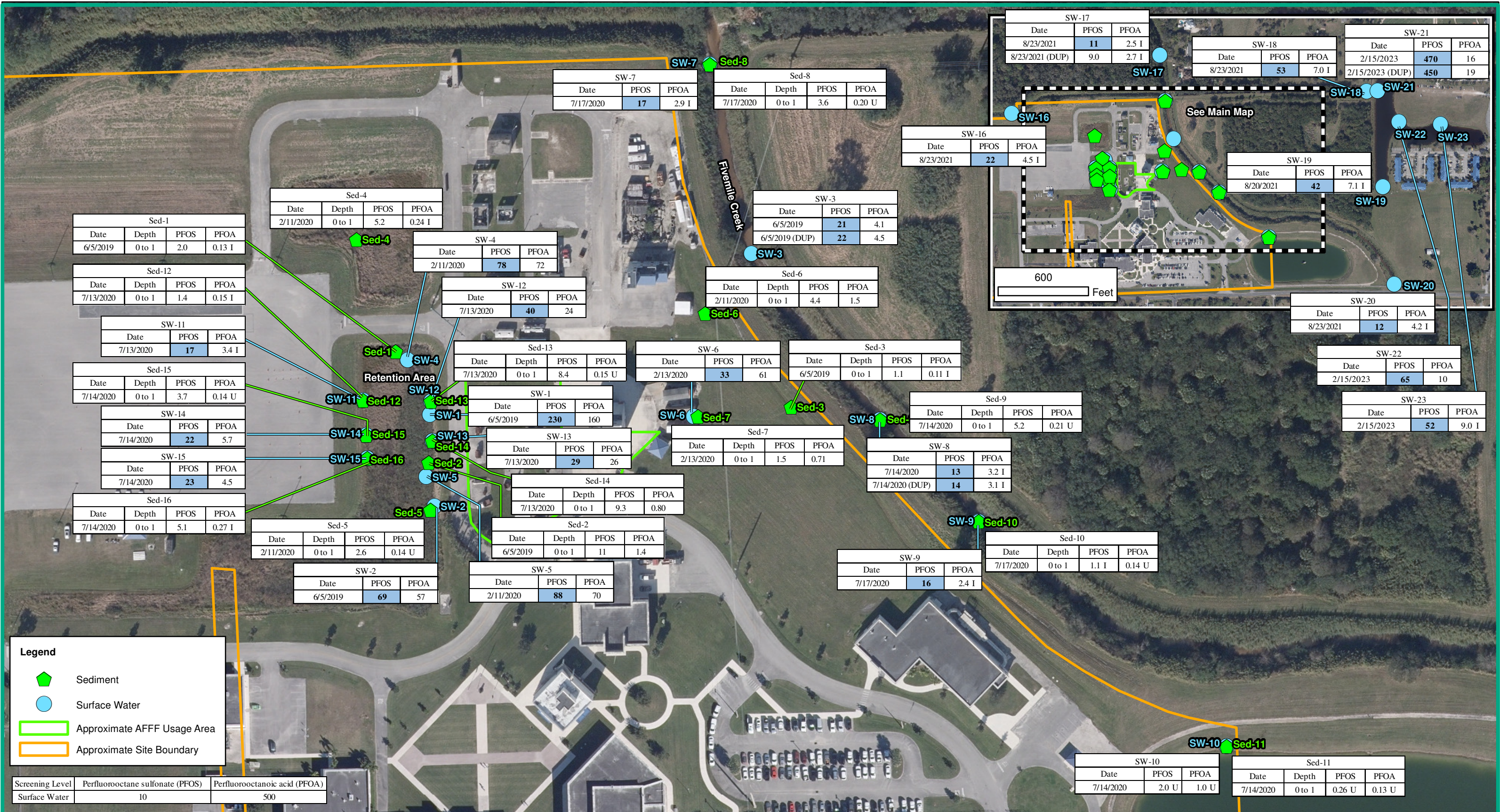


Figure 30
Summary of Analytical Results in Sediment and Surface Water
Indian River State College
4600 Kirby Loop Road
Fort Pierce, St. Lucie County, Florida

- Notes:**
- 1. Surface water results are provided in nanograms per liter (ng/L). Sediment results are provided in micrograms per kilogram (µg/kg).
 - 2. Depth is provided in feet below land surface (ft BLS).
 - 3. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
 - 4. U indicates material was analyzed for but not detected. The reported value is the MDL for the sample analyzed.
 - 5. DUP indicates duplicate sample.
 - 6. Blue shading indicates an exceedance of the surface water screening level.
 - 7. Provisional cleanup target levels have not been established for sediment.
 - 8. Approximate site boundary obtained from Florida Department of Revenue GIS and Cadastral Mapping website on 14 May 2019 (St. Lucie County 2018 data).
 - 9. Source of 2021 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



100
Feet



Date: May 29, 2023

APPENDIX A
University of Florida Letters for Screening and
Provisional Cleanup Target Levels

April 16, 2018

Brian Dougherty, PhD
Program Manager
District and Business Support Program
Division of Waste Management
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: Development of alternative soil cleanup target levels for PFOA and PFOS

Dear Dr. Dougherty:

At your request, we have developed alternative soil cleanup target levels (ASCTLs) for perfluorooctanoic acid (PFOA; CAS# 335-67-1) and perfluorooctane sulfonate (PFOS; CAS# 1763-23-1). PFOA and PFOS are perfluoroalkyl substances (PFASs). PFASs are used to make products resistant to stains, grease, and water. Before production was phased out at the end of 2015, PFOA was used in carpets, leathers, textiles, upholstery, and as a waterproofing or stain-resistant agent (USEPA, 2016a). In 2002, the only major US manufacturer of PFOS agreed to phase out production. However, PFOA and PFOS degrade slowly and are persistent in the environment. Most contamination by PFOA and PFOS is a result of releases from manufacturing sites, industrial sites, fire training areas, and waste sites where these chemicals were disposed (USEPA, 2016a & 2016b). Derivation of the ASCTLs for each chemical is described below.

Perfluorooctanoic Acid (PFOA)

The United States Environmental Protection Agency (USEPA) summarized toxicity studies for PFOA in the Drinking Water Health Advisory for PFOA (USEPA, 2016a). For reference dose (RfD) development, several candidate studies and health effect endpoints were evaluated (Perkins et al., 2004; Lau et al., 2006; Wolf et al., 2007; White et al., 2009; DeWitt et al., 2008; Butenhoff et al., 2004). A total of six candidate RfDs were considered based upon endpoints including increased liver weight and necrosis in rats, decreased pup weight from gestational exposure in mice, immunosuppression in mice, reduced ossification and accelerated male puberty in offspring of mice, and reduced body weight and increased kidney weight (relative and absolute) in rats. For each animal toxicity study, human equivalent average serum PFOA concentrations were derived using a pharmacokinetic model by Wambaugh et al. (2013). An oral reference dose (RfD) was derived for each human equivalent no observed adverse effect level (NOAEL) or lowest observed adverse effect level (LOAEL) using study-specific uncertainty factors. Three endpoints resulted in a RfD of 2E-05 mg/kg-d (the lowest calculated RfD). Among these, reduced ossification of the proximal phalanges and accelerated puberty in offspring from treated dams in the study by Lau et al. (2006) were selected as the critical

effect(s). Other studies producing the same or similar RfD values are considered supportive. Data were not considered adequate to derive a reference concentration (RfC) for inhalation exposure.

In the Lau et al. (2006) study, pregnant CD-1 mice were dosed with 1, 3, 5, 10, 20, or 40 mg/kg PFOA by oral gavage daily from gestational day 1 to 17. Decreased ossification of pup (both sexes) proximal phalanges and accelerated preputial separation were seen at 1 mg/kg PFOA. The USEPA calculated a human equivalent point of departure of 5.3E-03 mg/kg-d for these endpoints. An uncertainty factor of 300 (3 for extrapolation from animal to human, 10 for extrapolation from LOAEL to NOAEL, and 10 for sensitive individuals) was applied to derive an oral RfD of 2E-05 mg/kg-d. Greater than 95% of PFOA is absorbed by the gastrointestinal tract (ATSDR, 2015). Therefore, a gastrointestinal absorption factor of 1 was used to extrapolate the toxicity to other routes of exposure.

PFOA is also carcinogenic and has been shown to be tumorigenic in the liver, testes, and pancreas of rats. In humans, there is epidemiological evidence for an association between serum PFOA and kidney and testicular tumors (USEPA, 2016a). The USEPA developed an oral cancer slope factor of 7E-02 per mg/kg-d based on the development of testicular tumors in rats. They concluded that the drinking water health advisory based on non-cancer effects was protective for the cancer endpoint. We also calculated ASCTLs based on the oral cancer slope factor of 7E-02 per mg/kg-d (ASCTLs not shown). These ASCTLs were higher than those protective of non-cancer endpoints confirming that ASCTLs based on non-cancer effects are protective of the cancer endpoint.

Direct exposure ASCTLs for residential and commercial/industrial scenarios were calculated using the formula presented in Figure 5 of Chapter 62-777, Florida Administrative Code (F.A.C.). The equation is shown in Figure 1. Default assumptions listed in Table 1 were taken from OSWER Directive 9200.1-120 (USEPA, 2014) and Table 3 of Chapter 62-777, F.A.C. Chemical-specific parameters are presented in Table 2. **The residential ASCTL for PFOA is 1.3 mg/kg and the commercial/industrial ASCTL is 25 mg/kg.** A leachability ASCTL was derived using the formula presented in Figure 8 of Chapter 62-777, FAC. The equation is shown in Figure 2 and inputs are listed in Table 1. **The ASCTL for leachability to groundwater is 0.004 mg/kg** (based on an alternative groundwater cleanup target level of 0.1 µg/L provided to you in a letter dated April 12, 2017).

Perfluorooctane Sulfonate (PFOS)

The USEPA summarized toxicity studies for PFOS in the Drinking Water Health Advisory for PFOS (USEPA, 2016b). Six candidate studies and seven endpoints were identified for the derivation of an RfD for PFOS (Seacat et al., 2002 & 2003; Luebker et al., 2005a & 2005b; Butenhoff et al, 2009; Lau et al., 2003). Candidate endpoints included: 1) increased liver weight and histopathology, decreased body weight, and thyroid hormone disturbances in monkeys; 2) increased liver weight and histopathology, and increased liver enzymes and blood urea nitrogen in serum in male rats; 3) decreased body weight of rat pups; 4) another study showing decreased body weight in rat pups; 5) decreased maternal body weight, gestation length, and pup survival in rats; 6) developmental neurotoxicity in rats; and 7) decreased pup survival and decreased maternal and pup body weight in rats. For each animal toxicity study, human equivalent average serum PFOS concentrations were derived using a pharmacokinetic model by Wambaugh et al. (2013). An oral RfD was derived for each human equivalent NOAEL or LOAEL using study-specific uncertainty factors. Data were not considered adequate to derive a

reference concentration (RfC) for inhalation exposure. The USEPA selected reduced pup weight from a two-generation study in rats as the critical effect. Low body weight was considered to be a marker for developmental effects, including effects that may not be manifested until later in life. This effect is considered relevant to humans because PFOS has been measured in the blood of newborns, in breast milk, and in blood of older children.

The developmental toxicity study by Luebker et al. (2005a) resulted in a RfD of 2E-05 mg/kg-d (the lowest calculated RfD). In this study, male and female rats were dosed with 0, 0.1, 0.4, 1.6, or 3.2 mg/kg-d by gavage from six weeks prior to mating, during mating, and, for females, through gestation and lactation across two generations. Rat pup weight was significantly decreased at 1.6 mg/kg-d PFOS in the F1 generation. The USEPA calculated a human equivalent point of departure of 5.1E-04 mg/kg-d based on decreased rat pup weight in the F1 generation. An uncertainty factor of 30 (3 for extrapolation from animal to human and 10 for sensitive subpopulations) was applied to derive an oral RfD of 2E-05 mg/kg-d. No data are available regarding the gastrointestinal absorption of PFOS. Therefore, a gastrointestinal absorption factor of 1 was used to extrapolate the toxicity to other routes of exposure.

There is also suggestive evidence that PFOS is carcinogenic in humans based on chronic studies in rats that result in liver and thyroid adenomas. However, the tumor data lack a dose-response relationship and could not be used by the USEPA to develop a cancer slope factor. Therefore, the critical effect for PFOS is developmental toxicity.

Direct exposure ASCTLs for residential and commercial/industrial scenarios were calculated using the formula presented in Figure 5 of Chapter 62-777, Florida Administrative Code (F.A.C.). The equation is shown in Figure 1. Default assumptions listed in Table 1 were taken from OSWER Directive 9200.1-120 (USEPA, 2014) and Table 3 of Chapter 62-777, F.A.C. Chemical-specific parameters are presented in Table 2. **The residential ASCTL for PFOS is 1.3 mg/kg and the commercial/industrial ASCTL is 25 mg/kg.** A leachability ASCTL was derived using the formula presented in Figure 8 of Chapter 62-777, FAC. The equation is shown in Figure 2 and inputs are listed in Table 1. **The ASCTL for leachability to groundwater is 0.01 mg/kg** (based on an alternative groundwater cleanup target level of 0.1 µg/L provided to you in a letter dated April 12, 2017).

As with the PFOA and PFOS alternative groundwater cleanup target levels (AGCTLs) provided to you previously, these ASCTLs have been calculated using default equations and exposure assumptions from Chapter 62-777, F.A.C. (the ASCTLs also include updated exposure assumptions from OSWER Directive 9200.1-120). Recently, the USEPA and a number of states have modified their calculation of PFOA and PFOS criteria based upon the critical effects, which are developmental in nature, and/or the availability of serum concentration data for these chemicals. For example, the USEPA Health Advisories for PFOA and PFOS in drinking water are based upon a water consumption rate for a lactating woman to protect the breast fed infant rather than a standard adult drinking water consumption rate. This higher rate of consumption leads to a lower acceptable drinking water concentration (0.07 µg/L rather than 0.1 µg/L calculated with Chapter 62-777 F.A.C. assumptions). New Jersey and Minnesota have both used serum concentration data rather than the USEPA oral reference dose to derive acceptable concentrations of PFOA and PFOS in drinking water that are lower than the USEPA Health Advisories. The Minnesota approach specifically targets serum concentrations in the breast fed infant. Other than a general protection of children when developing SCTLs, Florida has not typically tailored calculation of cleanup target levels (CTLs) to address sensitive life stages when they have been identified. With increased attention to the issue of sensitive life stages in the context of PFOA and PFOS exposure, the Florida Department of Environmental

Protection (FDEP) may want to consider as a general matter when and to what extent sensitive life stages should be addressed in CTL development.

Please let us know if you have any questions regarding the development of these ASCTLs.

Sincerely,



Leah D. Stuchal, Ph.D.



Stephen M. Roberts, Ph.D.

References:

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Figure 1 – Equation for Developing Acceptable Soil Cleanup Target Levels for Non-Carcinogens:

$$SCTL = \frac{THI \times BW \times AT}{EF \times ED \times FC \times \left[\left(\frac{1}{RfD_o} \times IR_o \times 10^{-6} kg/mg \times RBA \right) + \left(\frac{1}{RfD_a} \times SA \times AF \times DA \times 10^{-6} kg/mg \right) \right]}$$

Figure 2 – Equation for the Determination of SCTLs Based on Leachability:

$$SCTL (mg/kg) = GCTL(\mu g/L) \times CF(mg/\mu g) \times DF \times \left[K_{oc} \times f_{oc} + \frac{\theta_w + \theta_a \times H'}{\rho_b} \right]$$

Table 1 - Default values for the direct contact and leachability equations

Symbol	Definition (units)	Receptor	Default
BW	Body weight (kg)	child	15
		worker	80
IR _o	Ingestion rate, oral (mg/day)	child	200
		worker	50
EF	Exposure frequency (days/yr)	child	350
		worker	250
ED	Exposure duration (years)	child	6
		worker	25
SA	Surface area exposed (cm ² /day)	child	2373
		worker	3527
AT	Averaging time (days) (non-carcinogens)	child	2190
		worker	9125
AF	Adherence factor (mg/cm ²)	child	0.2
		worker	0.12
IR _i	Inhalation rate (m ³ /day)	child	8.1
		worker	20
DA	Dermal absorption (unitless) (organics)		0.1
PEF	Particulate emission factor (m ³ /kg)		1.24×10 ⁹
TR	Target risk (unitless)		1×10 ⁻⁶
CF	Conversion factor (μg/mg)		1000
DAF	Dilution attenuation factor (unitless)		20
f _{oc}	Fraction organic carbon in soil (g/g)		0.002
Θ _w	Water-filled soil porosity (L _{water} /L _{soil})		0.3
Θ _a	Air-filled soil porosity (L _{air} /L _{soil})		0.13
ρ _β	Dry soil bulk density (g/cm ³)		1.5
ω	Average soil moisture content (g _{water} /g _{soil})		0.2 (20%)
η	Total soil porosity (L _{pore} /L _{soil})		0.43
ρ _σ	Soil particle density (g/cm ³)		2.65
CF	Conversion factor (μg/mg)		1000

Table 2 – Chemical-specific parameters for PFOA and PFOS

Chemical-Specific Variable	PFOA		PFOS	
	Value	Source	Value	Source
RfD _o	2E-05 mg/kg-day	USEPA	2E-05 mg/kg-day	USEPA
RfD _d	2E-05 mg/kg-day	extrapolated	2E-05 mg/kg-day	extrapolated
RfD _i	2E-05 mg/kg-day	extrapolated	2E-05 mg/kg-day	extrapolated
Diffusivity in air	2.3E-02 cm ² /s	calculated	1.7E-02 cm ² /s	calculated
Diffusivity in water	5.8E-06 cm ² /s	calculated	4.2E-06 cm ² /s	calculated
Molecular weight	414.09 g/mol	HSDB	500.13 g/mol	HSDB
Density	1.792 g/cm ³	HSDB	1.25 g/cm ³	Chemicaland21
Henry's Law Constant	Not measurable	EPIWIN	Not measurable	EPIWIN
log K _{ow}	4.81	HSDB	4.49	EPIWIN
K _{oc}	655.1 L/kg	EPIWIN	2562 L/kg	EPIWIN

USEPA – United States Environmental Protection Agency

HSDB – Hazardous Substances Data Bank

EPIWIN – Estimation Programs Interface for Windows v4.1.1

August 16, 2018

Leah J. Smith
District and Business Support Program
Division of Waste Management
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: Calculation of an AGCTL for PFOA/PFOS protective of sensitive lifestages

Dear Ms. Smith:

We have developed an alternative groundwater cleanup target level (AGCTL) for perfluorooctanoic acid (PFOA; CAS# 335-67-1) and perfluorooctane sulfonate (PFOS; CAS# 1763-23-1) protective of sensitive lifestages/receptors. We previously developed AGCTLs for PFOA and PFOS in letters to the Florida Department of Environmental Protection (FDEP) dated April 12, 2017. These AGCTLs incorporated updated toxicity values based on the USEPA Drinking Water Health Advisories for PFOA and PFOS (USEPA, 2016a & 2016b) and updated exposure parameters for adults listed in the 2011 Exposure Factors Handbook (USEPA, 2011). At that time, we were requested to use a drinking water ingestion rate applicable to a generic adult receptor, which is the approach used in the development of groundwater cleanup target levels (GCTLs) in Chapter 62-777, F.A.C. The resulting GCTL for both PFOA and PFOS was 0.1 µg/L.

The critical effects for both of these chemicals are developmental effects. For PFOA, the critical effects are decreased ossification of pup (both sexes) proximal phalanges and accelerated preputial separation. For PFOS, the critical effect is decreased pup weight in the F₁ generation. The F₁ generation is the first generation of pups born after parental exposure. Exposure usually takes place while pups are in utero and may last through lactation and weaning. Because the critical effects are development endpoints, adverse effects can result from short-term exposure during critical periods of development. The 90th percentile drinking water ingestion rate for lactating women (0.054 L/kg-d; USEPA, 2011) is used by the USEPA in the development of their drinking water criterion due to the potential increased susceptibility from higher drinking water rates during pregnancy and lactation (USEPA 2016a & 2016b). From a toxicological standpoint, it is more appropriate to use a drinking water ingestion rate applicable to the most sensitive lifestage/receptor in the development of a cleanup target level, than a default drinking water rate for an adult.

At your request, we have calculated AGCTLs for PFOA and PFOS protective of sensitive lifestages based on the 90th percentile drinking water ingestion rate of 0.054 L/kg-d for lactating women. For developmental effects, AGCTLs of 0.07 µg/L were derived for both PFOA and PFOS using the formula in Figure 2 of Chapter 62-777, FAC. The AGCTLs for these two

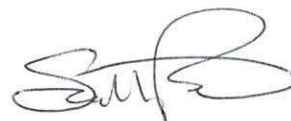
chemicals are identical because their oral reference doses are also identical (2E-05 mg/kg-d). The calculation and exposure assumptions used are shown in Figure 1 below. Because of the similarity in adverse effects and potency of these chemicals, the USEPA recommends that, where PFOA and PFOS are co-located, the sum of the concentrations of these chemicals should be compared to the drinking water criterion (USEPA, 2016a & 2016b). Therefore, **the sum of PFOA and PFOS concentrations should be compared to the AGCTL of 0.07 µg/L.**

In deriving these AGCTLs, we note that the Agency for Toxic Substances and Disease Registry (ATSDR) has recently released for public comment a draft toxicological profile for perfluoroalkyl chemicals, including PFOA and PFOS. The proposed Minimal Risk Levels for PFOA and PFOS are an order of magnitude lower than their USEPA reference doses, prompting discussion within the scientific and regulatory community whether the USEPA reference doses should be re-visited and perhaps revised downward. We recommend following this discussion closely and making further modifications to the AGCTLs if warranted. Please let us know if you have any questions regarding the development of this AGCTL.

Sincerely,



Leah D. Stuchal, Ph.D.



Stephen M. Roberts, Ph.D.

References:

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USEPA (2016b) *Drinking Water Health Advisory for Perfluorooctane Sulfonate (PFOS)*. United States Environmental Protection Agency, Office of Water, Washington, DC.

Figure 1 – Equation for the derivation of a GCTL for PFOA and PFOS

$$GCTL (\mu g/L) = \frac{RfD_o \times RSC \times CF}{WC}$$

where:

Parameter	Definition	Value
GCTL	Groundwater cleanup target level (μg/L)	--
RfDo	Reference dose (mg/kg-d)	2E-05
RSC	Relative source contribution	0.2
CF	Conversion factor (μg/mg)	1000
WC	Water consumption (L/kg-d)	0.054



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January 3, 2019

Leah J. Smith
District and Business Support Program
Division of Waste Management
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: Leachability SCTLs for PFOA and PFOS based on the alternative GCTL of 0.07 $\mu\text{g/L}$

Dear Ms. Smith:

At your request, we have calculated leachability soil cleanup target levels (SCTLs) for perfluorooctanoic acid (PFOA; CAS# 335-67-1) and perfluorooctane sulfonate (PFOS; CAS# 1763-23-1) based on the alternative groundwater cleanup target level (AGCTL) of 0.07 $\mu\text{g/L}$ for the protection of sensitive lifestages. The leachability SCTLs were calculated using the equation in Figure 5 of Chapter 62-777, F.A.C. Chemical-specific properties used in the calculation were taken from our letter regarding the calculation of SCTLs for PFOA and PFOS (dated April 16, 2018). Based on these parameters, **the leachability SCTL for PFOA is 0.002 mg/kg and the leachability SCTL for PFOS is 0.007 mg/kg**. Please let us know if you have any questions regarding these calculations.

Sincerely,

A handwritten signature in blue ink, appearing to read "Leah Stuchal".

Leah D. Stuchal, Ph.D.

A handwritten signature in blue ink, appearing to read "Stephen M. Roberts".

Stephen M. Roberts, Ph.D.

White Paper

Development of Surface Water Screening Levels for PFOA and PFOS Based on the Protection of Human Health Using Probabilistic Risk Assessment

Prepared for the District and Business Support Program
Florida Department of Environmental Protection

Leah Stuchal, Ph.D. and Stephen M. Roberts, Ph.D.

Center for Environmental & Human Toxicology
University of Florida

April 2020

This white paper develops surface water screening levels for perfluorooctanoic acid (PFOA; CAS# 335-67-1) and perfluorooctane sulfonate (PFOS; CAS# 1763-23-1) protective of human health using probabilistic risk assessment (PRA). These screening levels are based on fish and shellfish ingestion pathways. PFOA and PFOS are manmade chemicals that belong to a group of thousands of chemicals known as perfluoroalkyl substances (PFAS). PFASs are water- and lipid-resistant. They are used as waterproofing and stain-resistant coatings for carpets, leather, textiles, furniture, and packaging materials. They are also used in fire-fighting foam and are added to aviation fluids to decrease flammability. PFOA and PFOS degrade slowly and are very persistent in the environment and the human body (USEPA, 2016a; USEPA, 2016b). The PFOA and PFOS present in surface water bioconcentrates and bioaccumulates into fish and shellfish that are consumed by local populations.

The following sections describe the technical basis for the proposed surface water screening levels.

Equation and assumptions

We calculated surface water screening levels protective of fish and shellfish consumption using a modified equation from the U.S. Environmental Protection Agency (USEPA) for the calculation of fish consumption limits based on concentrations of contaminants in fish tissue (USEPA, 2000a). The equation for non-carcinogens was used, modified by removing the drinking water intake component.

$$SWSL (\mu g/L) = \frac{RfD \times RSC \times BW \times CF}{\sum_{i=2}^4 (FI_i \times BAF_i)}$$

Where:

SWSL = surface water screening level (μg/L)

RfD = oral reference dose (mg/kg-d)

RSC = relative source contribution

BW = body weight (kg)

CF = correction factor, 1000 μg/mg

FI_i = freshwater and estuarine finfish and shellfish consumption rate for aquatic trophic levels 2, 3, and 4 (kg/d)

BAF_i = bioaccumulation factor for aquatic trophic levels (TLs) 2, 3, and 4 (L/kg)

$\sum_{i=2}^4$ = summation of values for aquatic TLs, where the letter i stands for the TLs, starting with TL2 and continuing to TL4

For the PRA, body weight and freshwater and estuarine finfish and shellfish consumption rate (fish consumption rate) were chosen as distributions. Point values were selected for the other exposure parameters. This is identical to the PRA method proposed for the surface water standards in Chapter 62-302, F.A.C. (FDEP, 2016). The point value parameters are listed in Table 1 and the distributions for fish ingestion are provided in Table 2. Body weight was defined as a lognormal distribution with a mean of 79.96 kg and a standard deviation of 20.73 kg (USEPA, 2011). Figures showing the distributions for body weight and fish ingestion are included in Appendix A.

Table 1 – Point value parameters used in the derivation of surface water screening levels for PFOA and PFOS

Parameter	PFOA	PFOS	Source
Reference dose (mg/kg-d)	2E-05	2E-05	USEPA, 2016a USEPA, 2016b
Relative source contribution	0.6	0.6	CEHT, 2020
Bioaccumulation factor TL2 (L/kg)	35	937	See section on bioaccumulation factor
Bioaccumulation factor TL3 (L/kg)	71	2959	See section on bioaccumulation factor
Bioaccumulation factor TL4 (L/kg)	161	6304	See section on bioaccumulation factor

Table 2 – Fish ingestion lognormal distributions used in the PRA for the derivation of surface water screening levels for PFOA and PFOS

Trophic Level	Statistic	Atlantic (g/d)	Gulf (g/d)	Inland South (g/d)
2	Mean	4.9	4.2	3.1
	95 th Percentile	16.4	14.6	11.3
3	Mean	5.4	5.1	3.7
	95 th Percentile	16.6	16.4	11.9
4	Mean	2.6	2.5	2.8
	50 th Percentile	0.8	0.7	NA
	97 th Percentile	NA	NA	15.8

The fish ingestion distributions were derived from USEPA, 2014, Appendix E, Tables E-13, E-14, and E-15; NA – not applicable. This statistic was not used to define the distribution.

Reference Dose

The USEPA has developed reference doses for PFOA and PFOS in order to create drinking water Health Advisory Levels for these compounds. FDEP has used these reference doses for the calculation of alternative groundwater cleanup target levels (GCTLs) and soil cleanup target levels (SCTLs) for PFOA and PFOS (See letters to the FDEP dated April 16, 2018 and August 16, 2018 for details regarding the derivation of those screening levels). For consistency, the same RfD values are used in the surface water calculation, i.e., an oral reference dose (RfD) of 2E-05 mg/kg-d for both PFOA and PFOS.

We are aware that there is a lack of consistency among federal and state agencies in the derivation of safe limits for oral exposure to these substances. The Agency for Toxic Substances and Disease Registry (ATSDR) released a draft toxicity profile for PFAS, including PFOA and PFOS. The proposed Minimal Risk Levels (MRLs; analogous to RfDs) are an order of magnitude lower than the USEPA RfDs. This draft document received extensive public comment and has not yet been finalized. Additionally, North Carolina, Texas, Maine, Minnesota, and New Jersey have developed toxicity values for PFOA and PFOS based on

differing endpoints and/or uncertainty factors. This results in different toxicity values than were proposed by the USEPA and ATSDR. California has also derived slope factors for PFOA and PFOS based on the development of pancreatic and liver tumors in male rats (CalEPA, 2019). The potential toxicity of PFOA and PFOS is a subject of active research, and the data available are rapidly evolving. Thus, while the USEPA RfD values are used for the surface water screening levels proposed here, we recommend re-visiting these screening levels as new information develops. Use of toxicity values developed based upon other endpoints, including cancer, instead of the USEPA RfDs will result in different screening level estimates that may be lower than those calculated here.

Body Weight

The Exposure Factors Handbook recommends using the body weight distributions calculated by Portier et al., (2007) for probabilistic risk assessment. For this analysis, body weight was defined as a lognormal distribution with a mean of 79.96 kg and a standard deviation of 20.73 kg (USEPA, 2011). This distribution represents the National Health and Nutrition Examination Survey (NHANES) IV estimated body weights for 18 to 65-year-old males and females. It was not truncated for the risk assessment. This body weight distribution was also used in the FDEP (2016) technical support document for the derivation of surface water standards.

Relative Source Contribution

This assessment uses the USEPA relative source contribution (RSC) values of 0.6 (60%) for both PFOA and PFOS. These chemical-specific RSCs for PFOA and PFOS were derived using the USEPA Exposure Decision Tree methodology (USEPA, 2000b), as explained in the companion white paper, *"Determination of Relative Source Contribution Values for Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) in Support of Development of Florida Surface Water Screening Levels"* (CEHT, April 2020). As described in this document, there are several potential sources for PFOA and PFOS identified in the literature, of which drinking water, diet, consumer products, and indoor air and dust may be important. RSC values were derived using the percentage method, taking into account exposure from drinking water consistent with current FDEP screening levels, dietary exposure, and potential exposure to other sources combined. From this analysis, 60% of the intake corresponding to the RfDs for PFOA and PFOS were allocated to surface water exposure in the form of consumption of fish and shellfish.

Finfish and Shellfish Consumption Rate

No current Florida-specific fish consumption studies are available. The Degner et al. (1994) fish consumption study in Florida was used previously to develop fish consumption rates for Chapter 62-302, F.A.C. It also includes Florida-specific data on shellfish consumption for the general population. However, it is dated and may not represent current fish consumption rates. Therefore, we used NHANES 2003-2010 fish consumption data. The NHANES data are presented based on age, gender, and geographic region. The USEPA document summarizing the NHANES fish and shellfish consumption data presents several consumer categories that may be relevant to fish consumption in Florida (USEPA, 2014). However, none are specific to Florida. Based on the differences in fish and shellfish consumption rates for each geographic region in the U.S., these national data may not be appropriate for Florida. Regional data applicable to Florida include the South, Gulf of Mexico coastal counties, and Atlantic coastal counties. The FDEP determined that the combination of these regions provide the best

estimate for a fish consumption rate for Floridians. They calculated that 44.8% of the Florida population resides within the Atlantic coastal counties, 31.6% reside in the Gulf of Mexico coastal counties, and 23.6% reside in the South geographic region (FDEP, 2016).

The USEPA document summarizing the NHANES fish consumption data also includes estimates of fish consumption by trophic level for each region. We used fit statistics to describe lognormal distributions for the consumption rates in Tables E-13, E-14, and E-15 of that document (Table 2). These statistics represent the total freshwater and estuarine finfish and shellfish consumption rates for adults.

Bioaccumulation Factor

Bioaccumulation factors (BAFs) for PFOA and PFOS from the literature are listed in Appendix Tables B1 and B2. Studies that included data on bioaccumulation in the muscle tissue (e.g., fillet) were utilized to calculate the freshwater BAFs. These studies include fish not present in Florida (e.g., rainbow trout) and fish not usually consumed (e.g., minnows, whitebait). The BAFs for these fish were used to calculate a freshwater BAF for PFOA and PFOS because bioaccumulation data in fish and shellfish are limited. By including all of the data available, it provides a better estimate of the BAF.

Bioaccumulation factors for the derivation of human health surface water criteria were calculated based on a modified version of the USEPA framework for deriving BAFs (USEPA, 2016c). Based on the USEPA proposed framework, we utilized field BAFs to calculate baseline BAFs for PFOA and PFOS. Field BAFs are the preferred source for calculating BAFs for nonionic organic chemicals. Typically, in this methodology, a baseline BAF is calculated based on the field BAF, the concentration of particulate organic carbon (POC) in the water, the concentration of dissolved organic carbon (DOC) in the water, the chemical-specific n-octanol-water partition coefficient (K_{ow}), and the fraction of finfish and shellfish tissue that is lipid. However, for the purposes of this assessment, the field BAFs were used as the baseline BAFs. The reasoning for this includes:

1. The POC and DOC were not known for the majority of the BAF studies. Calculation of the fraction of chemical in water that is freely dissolved would require assumptions regarding the amount of dissolved and particulate carbon. Although national averages may be used as defaults, the majority of studies took place outside the United States and default POC and DOC values for these countries are unknown.
2. The K_{ow} has not been measured for PFOA and PFOS. Calculation of a baseline BAF would require a K_{ow} based on physical/chemical property estimation software (e.g., EPI Suite).
3. Unlike most non-ionic organics, PFAS are not distributed to the lipid. Therefore, use of a lipid adjustment to derive a baseline BAF is inappropriate for PFAS chemicals.

Bioaccumulation factors were derived for each trophic level (TL). To calculate a BAF, the fish and shellfish from the bioaccumulation studies were assigned to trophic levels (Table B3). A bioaccumulation factor was calculated for each trophic level for both PFOA and PFOS. Individual field BAFs were combined as the geometric mean for each species. The baseline TL-specific BAF was calculated as the geometric mean of all species geometric means (Table 3). These calculations are presented in Tables B4 through B9. The Minnesota study (MPCA,

2007b) combined bluegill and white bass in their river bioaccumulation study. Because the BAFs were listed as geometric means (MPCA, 2007b), they were retained in the assessment.

Table 3 – Trophic level 2, 3, and 4 geometric mean bioaccumulation factors for PFOA and PFOS

Chemical	Trophic Level	BAF
PFOA	2	35
	3	71
	4	161
PFOS	2	937
	3	2959
	4	6304

Method for the probabilistic risk assessment

PFOA and PFOS surface water screening levels were calculated using PRA. In this analysis, body weight and fish consumption were defined as distributions and the other parameters were entered as point values. The surface water screening levels were derived in using 100,000 iterations of a Monte Carlo analysis in Crystal Ball software (Version 11.1) with a seed of 123457. Each iteration represents a hypothetical person in the population. For each iteration, the software chose a body weight from the distribution. Then, a region was chosen based on the percentage of Floridians who live in each area. Once the region was identified, the software chose a region-specific fish consumption rate for trophic levels 2, 3, and 4 (Table 2). The fish consumption rates for each trophic level were multiplied by their respective BAFs (Table 3) before being summed. There was no correlation between the fish consumption rates for the three TLs. We could not locate any data suggesting that a high-end consumer of fish and shellfish in TL2 would also be a high-end consumer of fish and shellfish in the other TLs. Using the equation provided in this document, the software generated a distribution of surface water concentrations equivalent to a hazard index of 1 for each iteration. The PFOA and PFOS screening levels were set at the 10th percentile of this distribution. To check these values, the equation was rearranged and solved to ensure that the hazard index of 1 was not exceeded at the 90th percentile (Chapter 62-780, F.A.C.).

Screening levels

Surface water screening levels for PFOA and PFOS were calculated using the equations and assumptions described in this document. The surface water screening level for PFOA is 0.5 µg/L and for PFOS is 0.01 µg/L (Table 4). The distributions are presented in Figures 1 and 2. We also calculated the hazard index for the screening levels to insure it was below 1 at the 90th percentile. The hazard index for PFOA at a surface water screening level of 0.5 µg/L is 1 and the hazard index for PFOS at a screening level of 0.01 µg/L is 0.8 at the 90th percentile. The screening level for PFOS at a hazard index of 1 is 0.012 µg/L. This was rounded to 1 significant figure, which decreased the hazard index at the 90th percentile. The Crystal Ball output for the surface water screening level distributions and the distributions for the hazard index are presented in Appendix C.

Table 4 – Surface water screening levels for freshwater and estuarine finfish and shellfish for PFOA and PFOS

Surface Water Screening Levels ($\mu\text{g/L}$)	PFOA	PFOS
Freshwater and estuarine finfish and shellfish	0.5	0.01

Screening levels were rounded to one significant figure

Figure 1 – Surface water screening level distribution for PFOA

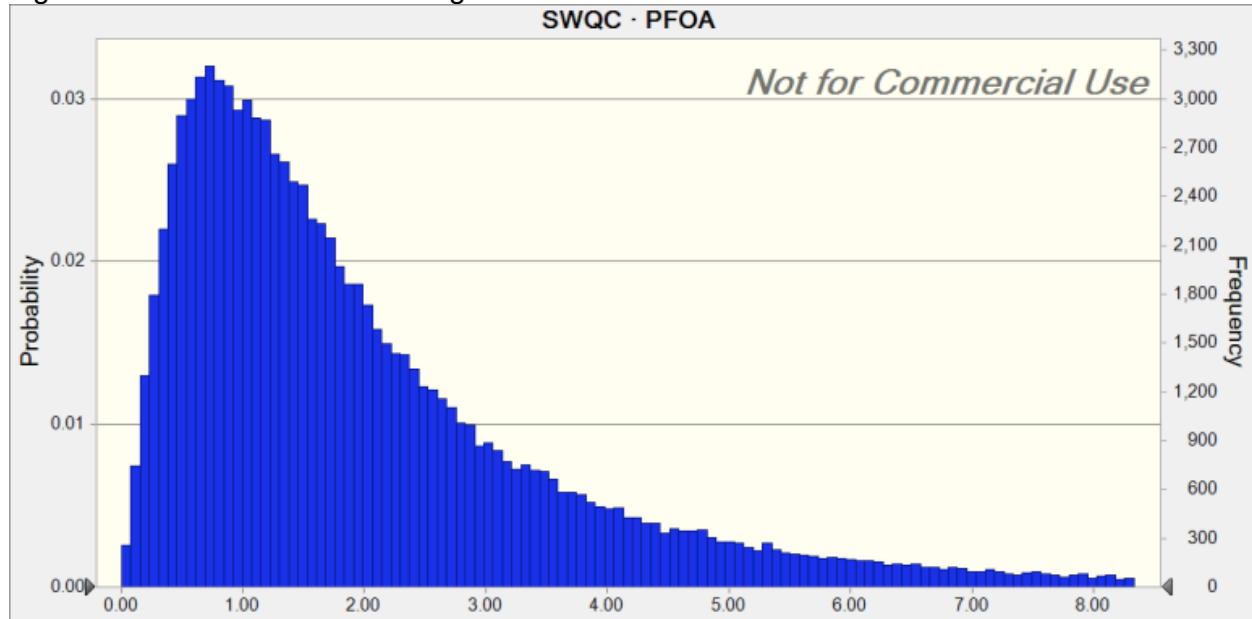
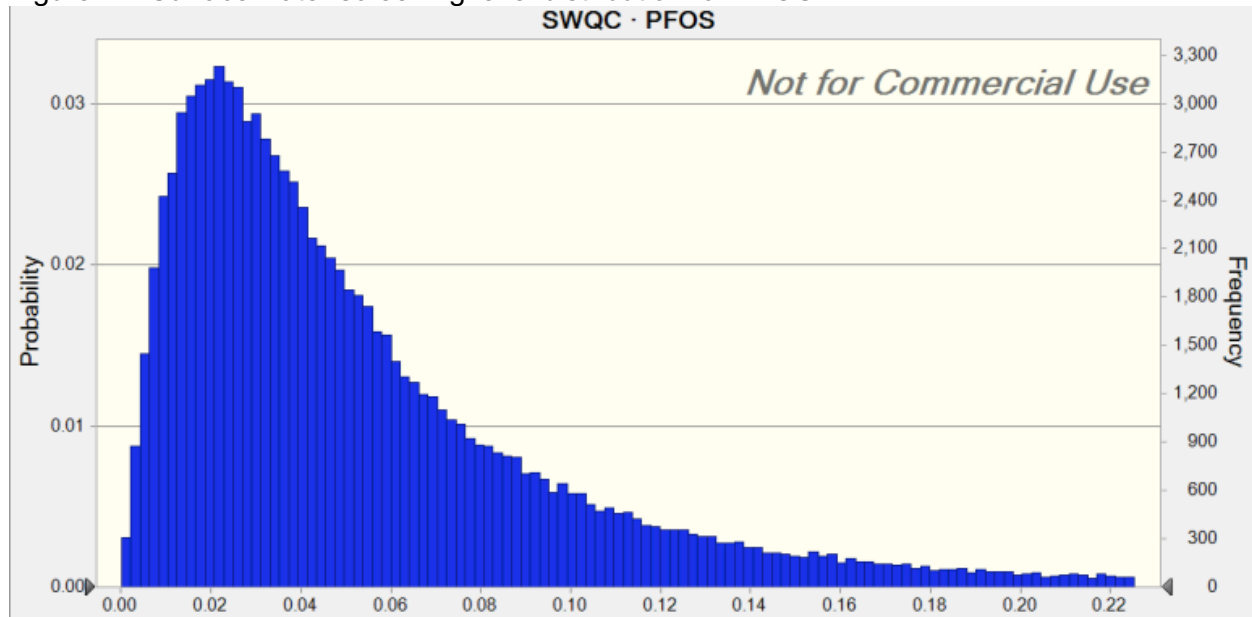


Figure 2 – Surface water screening level distribution for PFOS



The USEPA drinking water Health Advisory Levels (HALs) for PFOA and PFOS are each 0.07 µg/L. The USEPA recommends that the combined concentrations of PFOA and PFOS in drinking water be compared with this limit, based upon an assumption that their effects are additive. The rationale for this assumption is that their RfDs are derived for the same toxic endpoint (developmental effects) and that, although the mode of action for these effects has not been established, it is likely to be the same for these closely related chemicals. The fact that their individual Health Advisory Levels are identical makes it relatively straightforward to implement this recommendation. While the same argument could be made that the surface water screening levels for PFOA and PFOS should also address combined effects, this is more difficult because of the large difference in their values, approximately an order of magnitude. Picking the lower, higher, or average of these values for comparison with combined PFOA and PFOS concentrations could result in gross over- or underestimation of risk, depending on the individual PFOA and PFOS concentrations. As a practical matter, comparison of PFOA and PFOS concentrations in surface water with the screening levels should be made individually.

Surface water screening levels in Florida and other states

Table 5 – State surface water screening levels

State	PFOA (µg/L)	PFOS (µg/L)
Florida	0.5	0.01
Minnesota (lakes)	1.6	0.006
Minnesota (rivers)	2.7	0.007
Michigan	12	0.012
Alaska	0.07*	0.07*

* - Concentrations of PFOA and PFOS are summed before being compared to the criterion.

Minnesota has also developed freshwater surface water criteria based on fish consumption for the protection of human health. These criteria are based on site-specific bioaccumulation factors. For PFOA, the Minnesota surface water criteria include 1.6 µg/L for lakes and 2.7 µg/L for rivers (MPCA, 2017; Table 5). These criteria are higher than our proposed screening level of 0.5 µg/L. The difference in values is due to the use of a higher oral reference dose (1.4E-04 mg/kg-d) and slightly lower bioaccumulation factor (40 L/kg for lakes and 24 L/kg for rivers). Recently, the Minnesota Department of Health (MDOH) updated their reference doses for PFOA and PFOS (MDOH, 2019a; MDOH, 2019b). The updated reference dose for PFOA is 1.8E-05 mg/kg-d (MDOH, 2019a). Using this reference dose in their surface water equation would decrease the Minnesota criterion by approximately one order of magnitude. These updated values would be slightly lower than our proposed screening level of 0.5 µg/L.

The screening level for PFOS is lower than PFOA due to the large bioaccumulation factor for PFOS. For PFOS, the Minnesota surface water criteria include 0.006 µg/L for lakes 0.007 µg/L for rivers (MPCA, 2017). Our proposed PFOS screening level of 0.01 µg/L is similar to these two criteria. This is due to the use of a similar reference dose (8E-05 mg/kg-d) and bioaccumulation factors (6,087 L/kg for lakes and 3,877 for rivers) (MPCA, 2010a; MPCA, 2010b). The MDOH updated reference dose for PFOS is 3.1E-06 mg/kg-d (MDOH, 2019b). Use of this reference dose would lower the PFOS criteria to less than 0.001 µg/L, which is an order of magnitude below our proposed screening level.

The Michigan Department of Environmental Quality (MDEQ) criteria for PFOA and PFOS are human health-based non-cancer values for non-drinking surface water sources.

They were derived based on Michigan Rule 57 for toxic substances (MDEQ, 2020; Table 5). Their surface water screening level for PFOA is an order of magnitude greater than the screening level of 0.5 µg/L proposed in this document. The Michigan surface water screening level for PFOS is equivalent to our proposed PFOS surface water value of 0.01 µg/L. The Alaska Department of Environmental Conservation uses a criterion of 0.07 µg/L for PFAS in surface water used as drinking water (ADEC, 2019; Table 5). The criterion includes the sum of PFOA and PFOS concentrations. It is based on the USEPA drinking water HAL.

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Appendix A

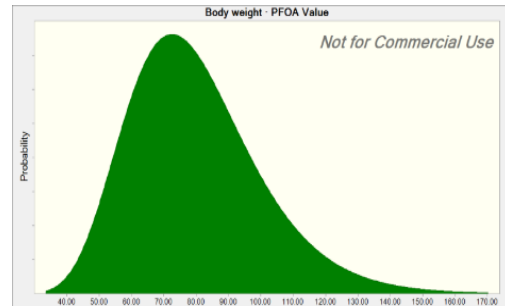
Crystal Ball Report - Assumptions

Assumptions

Assumption: Body weight · PFOA Value

Lognormal distribution with parameters:

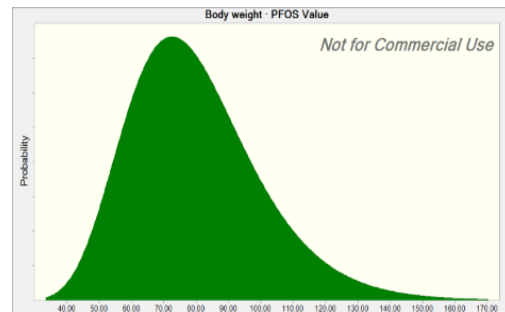
Location	0.00
Mean	79.96
Std. Dev.	20.73



Assumption: Body weight · PFOS Value

Lognormal distribution with parameters:

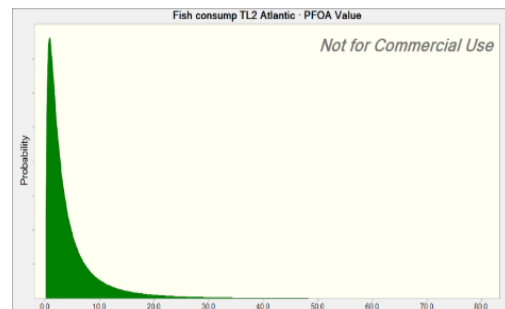
Location	0.00
Mean	79.96
Std. Dev.	20.73



Assumption: Fish consump TL2 Atlantic · PFOA Value

Lognormal distribution with parameters:

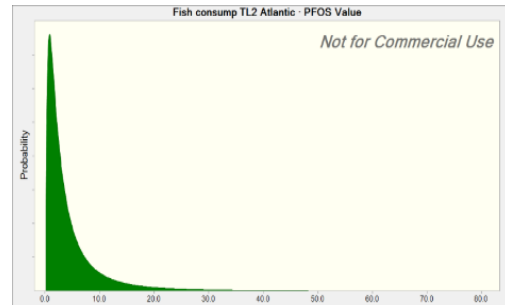
Location	0.0
Mean	4.9
95%	16.4



Assumption: Fish consump TL2 Atlantic · PFOS Value

Lognormal distribution with parameters:

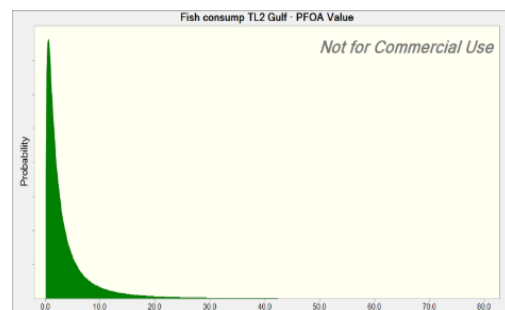
Location	0.0
Mean	4.9
95%	16.4



Assumption: Fish consump TL2 Gulf · PFOA Value

Lognormal distribution with parameters:

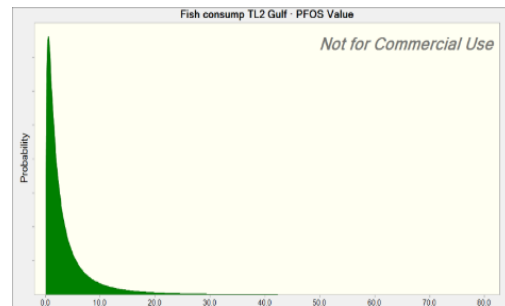
Location	0.0
Mean	4.2
95%	14.6



Assumption: Fish consump TL2 Gulf · PFOS Value

Lognormal distribution with parameters:

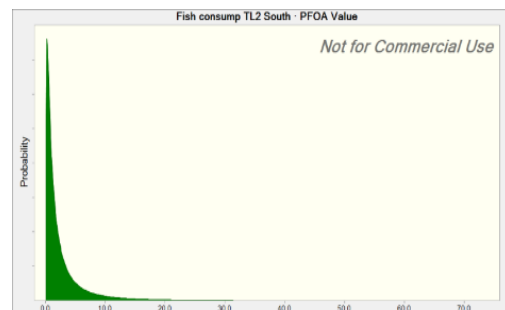
Location	0.0
Mean	4.2
95%	14.6



Assumption: Fish consump TL2 South · PFOA Value

Lognormal distribution with parameters:

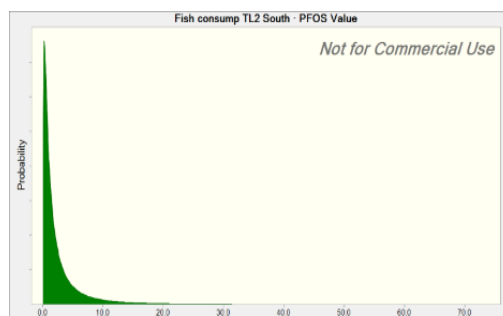
Location	0.0
Mean	3.1
95%	11.3



Assumption: Fish consump TL2 South · PFOS Value

Lognormal distribution with parameters:

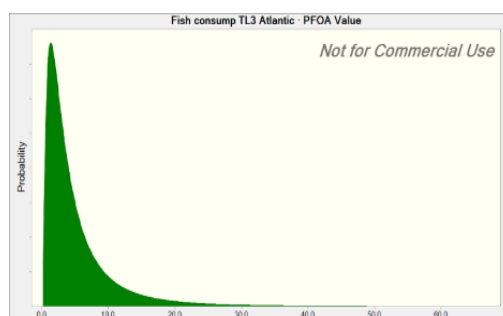
Location	0.0
Mean	3.1
95%	11.3



Assumption: Fish consump TL3 Atlantic · PFOA Value

Lognormal distribution with parameters:

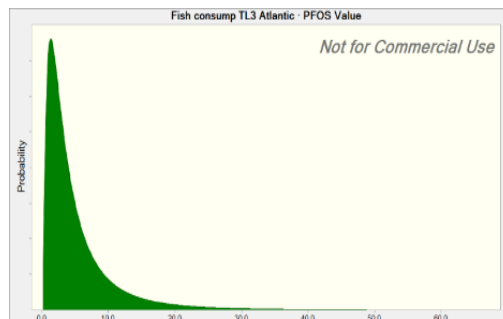
Location	0.0
Mean	5.4
95%	16.6



Assumption: Fish consump TL3 Atlantic · PFOS Value

Lognormal distribution with parameters:

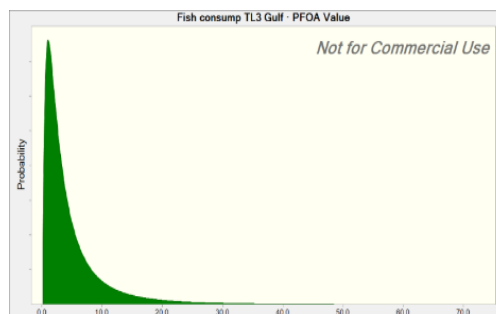
Location	0.0
Mean	5.4
95%	16.6



Assumption: Fish consump TL3 Gulf · PFOA Value

Lognormal distribution with parameters:

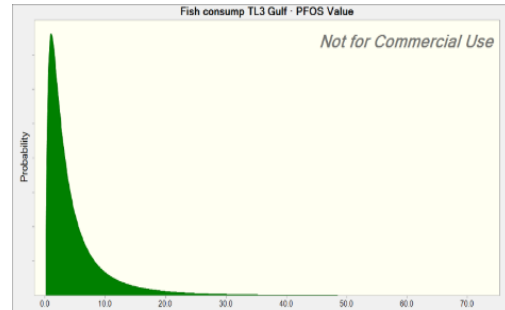
Location	0.0
Mean	5.1
95%	16.4



Assumption: Fish consump TL3 Gulf · PFOS Value

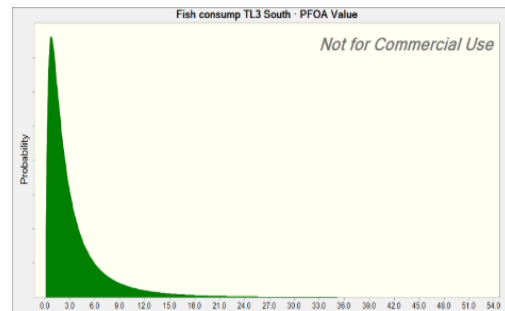
Lognormal distribution with parameters:

Location	0.0
Mean	5.1
95%	16.4

**Assumption: Fish consump TL3 South · PFOA Value**

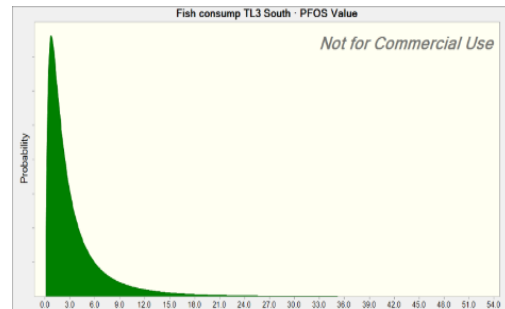
Lognormal distribution with parameters:

Location	0.0
Mean	3.7
95%	11.9

**Assumption: Fish consump TL3 South · PFOS Value**

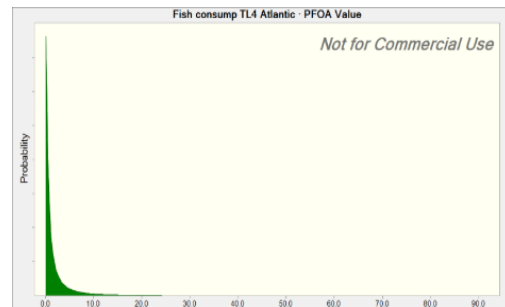
Lognormal distribution with parameters:

Location	0.0
Mean	3.7
95%	11.9

**Assumption: Fish consump TL4 Atlantic · PFOA Value**

Lognormal distribution with parameters:

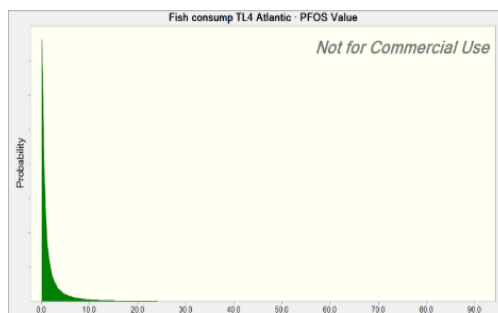
Location	0.0
Mean	2.6
50%	0.8



Assumption: Fish consump TL4 Atlantic · PFOS Value

Lognormal distribution with parameters:

Location	0.0
Mean	2.6
50%	0.8



Assumption: Fish consump TL4 Gulf · PFOA Value

Lognormal distribution with parameters:

Location	0.0
Mean	2.5
50%	0.7



Assumption: Fish consump TL4 Gulf · PFOS Value

Lognormal distribution with parameters:

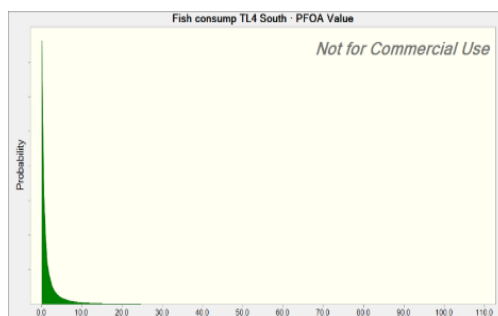
Location	0.0
Mean	2.5
50%	0.7



Assumption: Fish consump TL4 South · PFOA Value

Lognormal distribution with parameters:

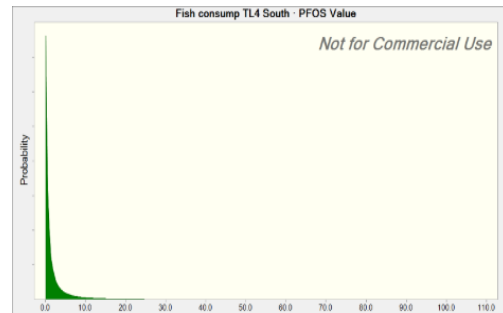
Location	0.0
Mean	2.8
97%	15.8



Assumption: Fish consump TL4 South · PFOS Value

Lognormal distribution with
parameters:

Location	0.0
Mean	2.8
97%	15.8



Appendix B

Table B1 – Bioaccumulation factors for PFOA in fish fillets and shellfish tissue

Species	Place	Fresh or Marine	Exposure	Tissue	BAF	Study
Common carp	laboratory	Fresh	static 28d, 28d flow through depuration	muscle	3.85	Fang et al, 2016
Minnow	Taihu Lake, China	Fresh	wild caught	muscle	112.5	Fang et al., 2014
Silver carp	Taihu Lake, China	Fresh	wild caught	muscle	11.8	Fang et al., 2014
Whitebait	Taihu Lake, China	Fresh	wild caught	muscle	147	Fang et al., 2014
Crucian carp	Taihu Lake, China	Fresh	wild caught	muscle	81	Fang et al., 2014
Lake saury	Taihu Lake, China	Fresh	wild caught	muscle	284	Fang et al., 2014
Common carp	Taihu Lake, China	Fresh	wild caught	muscle	177	Fang et al., 2014
Mongolian culter	Taihu Lake, China	Fresh	wild caught	muscle	161	Fang et al., 2014
Mud fish	Taihu Lake, China	Fresh	wild caught	muscle	163	Fang et al., 2014
Chinese bitterling	Taihu Lake, China	Fresh	wild caught	muscle	87.9	Fang et al., 2014
Goby	Taihu Lake, China	Fresh	wild caught	muscle	37.7	Fang et al., 2014
Common carp	China	Fresh	wild caught	muscle	182	Zhou et al., 2012
White shrimp	Taihu Lake, China	Fresh	wild caught	soft part	12.5	Fang et al., 2014
Pearl mussel	Taihu Lake, China	Fresh	wild caught	soft part	39.7	Fang et al., 2014

BAF – bioaccumulation factor

Table B2 – Bioaccumulation factors for PFOS in fish filets and shellfish tissue

Species	Place	Fresh or Marine	Exposure	Tissue	BAF (L/kg)	Study
Bluegill	Lake Calhoun, MN	Fresh	wild caught	fillet	2802	MPCA, 2007b
Bluegill and white bass	Mississippi River, MN	Fresh	wild caught	fillet	5737	MPCA, 2007b
Common carp	laboratory	Fresh	static 28d, 28d flow through depuration	muscle	9500	Fang et al, 2016
Minnow	Taihu Lake, China	Fresh	wild caught	muscle	3212	Fang et al., 2014
Silver carp	Taihu Lake, China	Fresh	wild caught	muscle	832	Fang et al., 2014
Whitebait	Taihu Lake, China	Fresh	wild caught	muscle	1350	Fang et al., 2014
Crucian carp	Taihu Lake, China	Fresh	wild caught	muscle	6898	Fang et al., 2014
Lake saury	Taihu Lake, China	Fresh	wild caught	muscle	4401	Fang et al., 2014
Common carp	Taihu Lake, China	Fresh	wild caught	muscle	3679	Fang et al., 2014
Mongolian culter	Taihu Lake, China	Fresh	wild caught	muscle	6927	Fang et al., 2014
Mud fish	Taihu Lake, China	Fresh	wild caught	muscle	4854	Fang et al., 2014
Chinese bitterling	Taihu Lake, China	Fresh	wild caught	muscle	2861	Fang et al., 2014
Goby	Taihu Lake, China	Fresh	wild caught	muscle	2876	Fang et al., 2014
Common carp	China	Fresh	wild caught	muscle	11749	Zhou et al., 2012
Taihu Lake shrimp	Taihu Lake, China	Fresh	wild caught	soft part	2161	Fang et al., 2014
White shrimp	Taihu Lake, China	Fresh	wild caught	soft part	978	Fang et al., 2014
Freshwater mussel	Taihu Lake, China	Fresh	wild caught	soft part	256	Fang et al., 2014
Pearl mussel	Taihu Lake, China	Fresh	wild caught	soft part	466	Fang et al., 2014

BAF – bioaccumulation factor

Table B3 – Trophic level weighting for fish and shellfish in the PFOA and PFOS bioaccumulation studies

Fish and shellfish	Scientific Name	Trophic Level 2 Weighting	Trophic Level 3 Weighting	Trophic Level 4 Weighting	Reference
Minnow	<i>Hemiculter leucisculus</i>	0	1	0	FishBase.org
Silver carp	<i>Hypophthalmichthys molitrix</i>	0	1	0	USEPA 2014
Whitebait	<i>Reganiasalanx brachyrostralis</i>	0	1	0	FishBase.org
Crucian carp	<i>Carassius cuvieri</i>	0	1	0	USEPA 2014
Lake saury	<i>Coilia mystus</i>	0	1	0	FishBase.org
Common carp	<i>Cyprinus carpio</i>	0	1	0	USEPA 2014
Mongolian culter	<i>Culter mongolicus</i>	0	0.5	0.5	FishBase.org
Mud fish	<i>Misgurnus anguillicaudatus</i>	0	1	0	FishBase.org
Chinese bitterling	<i>Rhodeus sinensis</i>	0.5	0.5	0	FishBase.org
Goby	<i>Ctenogobius giurinus</i>	0	1	0	FishBase.org
White shrimp	<i>Exopalaemon sp.</i>	0.5	0.5	0	USEPA 2014
Pearl mussel	<i>Lamellibranchia sp.</i>	1	0	0	USEPA 2014
Bluegill	<i>Lepomis macrochirus</i>	0	1	0	FishBase.org
White bass ^a	<i>Morone chrysops</i>	0	0	1	USEPA 2014
Taihu Lake shrimp	<i>Macrobrachium nipponense</i>	0.5	0.5	0	USEPA 2014
Freshwater mussel	<i>Lamellibranchia sp.</i>	1	0	0	USEPA 2014

^a – The white bass value is the geometric mean concentration of *Lepomis macrochirus* and *Morone chrysops*

Table B4 – Species-specific TL2 BAFs and geometric mean TL2 BAF for PFOA

Species	Scientific name	TL2 BAF
Chinese bitterling	<i>Rhodeus sinensis</i>	87.9
White shrimp	<i>Exopalaemon sp.</i>	12.5
Pearl mussel	<i>Lamellibranchia sp.</i>	39.7
Geometric mean TL2 BAF		35

TL – trophic level

BAF – bioaccumulation factor

Table B5 – Species-specific TL3 BAFs and geometric mean TL3 BAF for PFOA

Species	Scientific name	TL3 BAF
Minnow	<i>Hemiculter leucisculus</i>	112.5
Silver carp	<i>Hypophthalmichthys molitrix</i>	11.8
Whitebait	<i>Reganiasalanx brachyrostralis</i>	147
Crucian carp	<i>Carassius cuvieri</i>	81
Lake saury	<i>Coilia mystus</i>	284
Common carp	<i>Cyprinus carpio</i>	50
Mongolian culter	<i>Culter mongolicus</i>	161
Mud fish	<i>Misgurnus anguillicaudatus</i>	163
Chinese bitterling	<i>Rhodeus sinensis</i>	87.9
Goby	<i>Ctenogobius giurinus</i>	37.7
White shrimp	<i>Exopalaemon sp.</i>	12.5
Geometric mean TL3 BAF		71

TL – trophic level

BAF – bioaccumulation factor

Table B6 – Species-specific TL4 BAFs and geometric mean TL4 BAF for PFOA

Species	Scientific name	TL4 BAF
Mongolian culter	<i>Culter mongolicus</i>	161
Geometric mean TL4 BAF		161

TL – trophic level

BAF – bioaccumulation factor

Table B7 – Species-specific TL2 BAFs and geometric mean TL2 BAF for PFOS

Species	Scientific name	TL2 BAF
Chinese bitterling	<i>Rhodeus sinensis</i>	2861
White shrimp	<i>Exopalaemon sp.</i>	978
Pearl mussel	<i>Lamellibranchia sp.</i>	466
Taihu Lake shrimp	<i>Macrobrachium nipponense</i>	2161
Freshwater mussel	<i>Lamellibranchia sp.</i>	256
Geometric mean TL2 BAF		937

TL – trophic level

BAF – bioaccumulation factor

Table B8 – Species-specific TL3 BAFs and geometric mean TL3 BAF for PFOS

Species	Scientific name	TL3 BAF
Minnow	<i>Hemiculter leucisculus</i>	3212
Silver carp	<i>Hypophthalmichthys molitrix</i>	832
Whitebait	<i>Reganiasalanx brachyrostralis</i>	1350
Crucian carp	<i>Carassius cuvieri</i>	6898
Lake saury	<i>Coilia mystus</i>	4401
Common carp	<i>Cyprinus carpio</i>	7433
Mongolian culter	<i>Culter mongolicus</i>	6927
Mud fish	<i>Misgurnus anguillicaudatus</i>	4854
Chinese bitterling	<i>Rhodeus sinensis</i>	2861
Goby	<i>Ctenogobius giurinus</i>	2876
White shrimp	<i>Exopalaemon sp.</i>	978
Bluegill	<i>Lepomis macrochirus</i>	2802
Taihu Lake shrimp	<i>Macrobrachium nipponense</i>	2161
Geometric mean TL3 BAF		2959

TL – trophic level

BAF – bioaccumulation factor

Table B9 – Species-specific TL4 BAFs and geometric mean TL4 BAF for PFOS

Species	Scientific name	TL4 BAF
Mongolian culter	<i>Culter mongolicus</i>	6927
White bass	<i>Morone chrysops</i>	5737
Geometric mean TL4 BAF		6304

TL – trophic level

BAF – bioaccumulation factor

Appendix C

Crystal Ball Report - Forecasts

Run preferences:

Number of trials run	100,000
Monte Carlo	
Seed	123457
Precision control on	
Confidence level	95.00%

Run statistics:

Total running time (sec)	57.11
Trials/second (average)	1,751
Random numbers per sec	38,525

Crystal Ball

data:

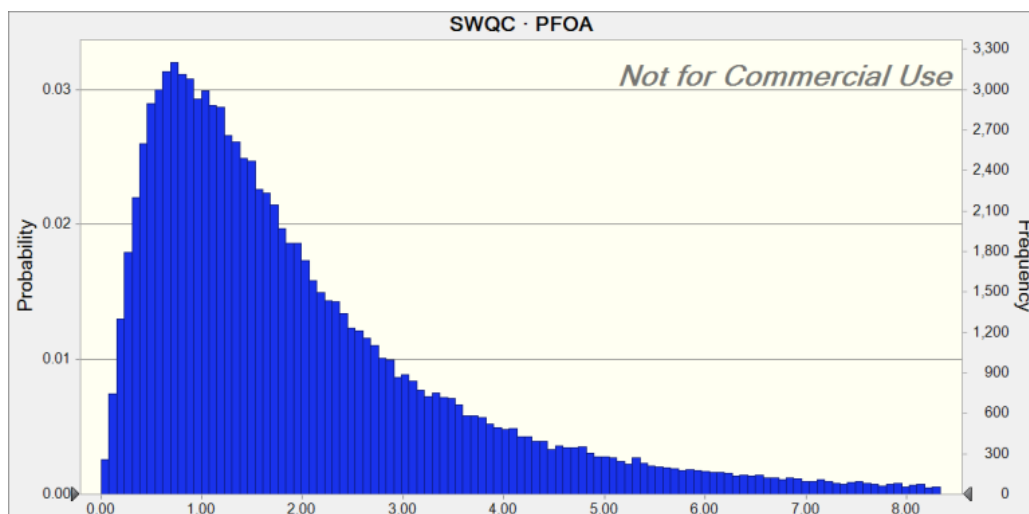
Assumptions	22
Correlations	0
Correlation matrices	0
Decision variables	0
Forecasts	12

Forecasts

Forecast: SWQC · PFOA

Summary:

Entire range is from 0.00 to 55.36
Base case is 1.16
After 100,000 trials, the std. error of the mean is 0.01



Statistics:	Forecast values
Trials	100,000
Base Case	1.16
Mean	2.19
Median	1.56
Mode	---
Standard Deviation	2.20
Variance	4.82
Skewness	3.91
Kurtosis	36.47
Coeff. of Variation	1.00
Minimum	0.00
Maximum	55.36
Range Width	55.36
Mean Std. Error	0.01

Forecast: SWQC · PFOA (cont'd)

Percentiles:	Forecast values
0%	0.00
10%	0.49
20%	0.74
30%	0.99
40%	1.26
50%	1.56
60%	1.93
70%	2.42
80%	3.15
90%	4.53
100%	55.36

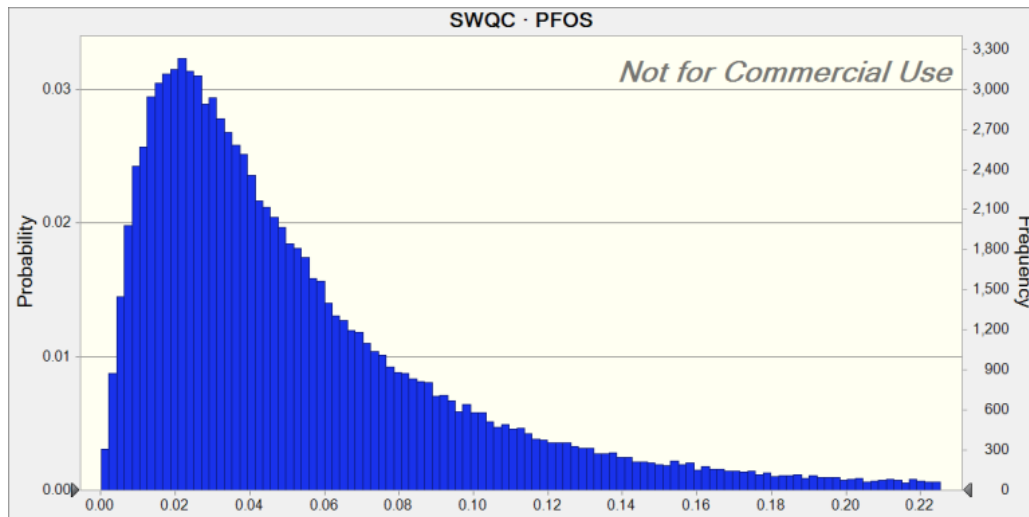
Forecast: SWQC · PFOS

Summary:

Entire range is from 0.00 to 1.30

Base case is 0.03

After 100,000 trials, the std. error of the mean is 0.00



Statistics:

Trials	100,000
Base Case	0.03
Mean	0.06
Median	0.04
Mode	---
Standard Deviation	0.06
Variance	0.00
Skewness	3.61
Kurtosis	28.36
Coeff. of Variation	1.01
Minimum	0.00
Maximum	1.30
Range Width	1.30
Mean Std. Error	0.00

Forecast values

Forecast: SWQC · PFOS (cont'd)

Percentiles:

0%	0.00
10%	0.01
20%	0.02
30%	0.03
40%	0.03

Forecast values

50%	0.04
60%	0.05
70%	0.06
80%	0.09
90%	0.12
100%	1.30

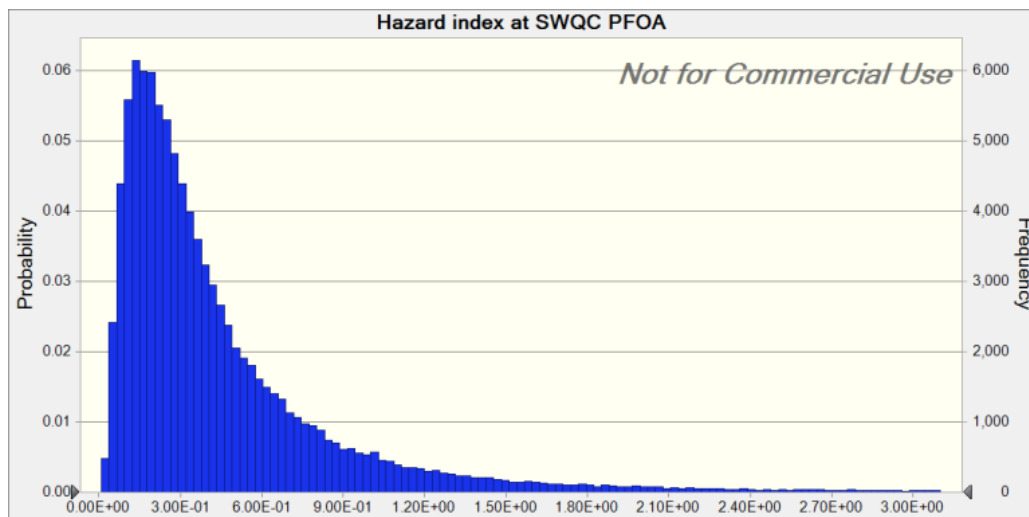
Forecast: Hazard index at SWQC PFOA

Summary:

Entire range is from 8.85E-03 to 1.30E+02

Base case is 4.21E-01

After 100,000 trials, the std. error of the mean is 2.93E-03



Statistics:

Trials	100,000
Base Case	4.21E-01
Mean	5.04E-01
Median	3.14E-01
Mode	---
Standard Deviation	9.28E-01
Variance	8.60E-01
Skewness	39.79
Kurtosis	4,200.66
Coeff. of Variation	1.84
Minimum	8.85E-03
Maximum	1.30E+02
Range Width	1.30E+02
Mean Std. Error	2.93E-03

Forecast values

Forecast: Hazard index at SWQC PFOA (cont'd)

Percentiles:	Forecast values
0%	8.85E-03
10%	1.08E-01
20%	1.55E-01
30%	2.03E-01
40%	2.54E-01
50%	3.14E-01
60%	3.90E-01
70%	4.94E-01
80%	6.61E-01
90%	9.99E-01
100%	1.30E+02

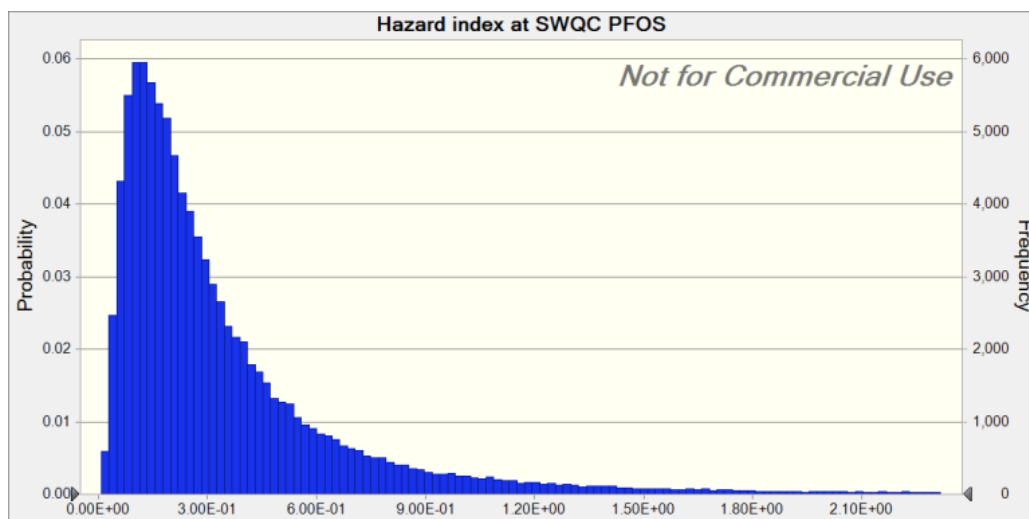
Forecast: Hazard index at SWQC PFOS

Summary:

Entire range is from 7.67E-03 to 6.68E+01

Base case is 3.28E-01

After 100,000 trials, the std. error of the mean is 2.17E-03



Statistics:	Forecast values
Trials	100,000
Base Case	3.28E-01
Mean	3.93E-01
Median	2.42E-01
Mode	---
Standard Deviation	6.87E-01
Variance	4.72E-01
Skewness	23.39

Kurtosis	1,359.36
Coeff. of Variation	1.75
Minimum	7.67E-03
Maximum	6.68E+01
Range Width	6.68E+01
Mean Std. Error	2.17E-03

Forecast: Hazard index at SWQC PFOS (cont'd)

Percentiles:	Forecast values
0%	7.67E-03
10%	8.16E-02
20%	1.18E-01
30%	1.54E-01
40%	1.94E-01
50%	2.42E-01
60%	3.01E-01
70%	3.83E-01
80%	5.11E-01
90%	7.79E-01
100%	6.68E+01

APPENDIX B
Environmental Data Resources, Inc.
Offsite Receptor Report

4600 Kirby Loop Rd
4600 Kirby Loop Rd
Fort Pierce, FL 34981

Inquiry Number: 06133812.1r
July 24, 2020

EDR Offsite Receptor Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	2
Census Map	3
Census Findings	4
Receptor Map	5
Map Findings	6
Records Searched/Data Currency Tracking Addendum	12

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available records was conducted by Environmental Data Resources, Inc. (EDR). The EDR Offsite Receptor Report provides information which may be used to comply with the Clean Air Act Risk Management Program 112-R. *"The rule requires that you estimate in the RMP residential populations within the circle defined by the endpoint for your worst-case and alternative release scenarios (i.e., the center of the circle is the point of release and the radius is the distance to the endpoint). In addition, you must report in the RMP whether certain types of public receptors and environmental receptors are within the circles."*

The address of the subject property, for which the search was intended, is:

4600 KIRBY LOOP RD
4600 KIRBY LOOP RD
FORT PIERCE, FL 34981

Distance Searched: 1.000 miles from subject property

RECEPTOR SUMMARY

An X indicates the presence of the receptor within the search radius.

Residential Population

Estimated population within search radius: 4082 persons.

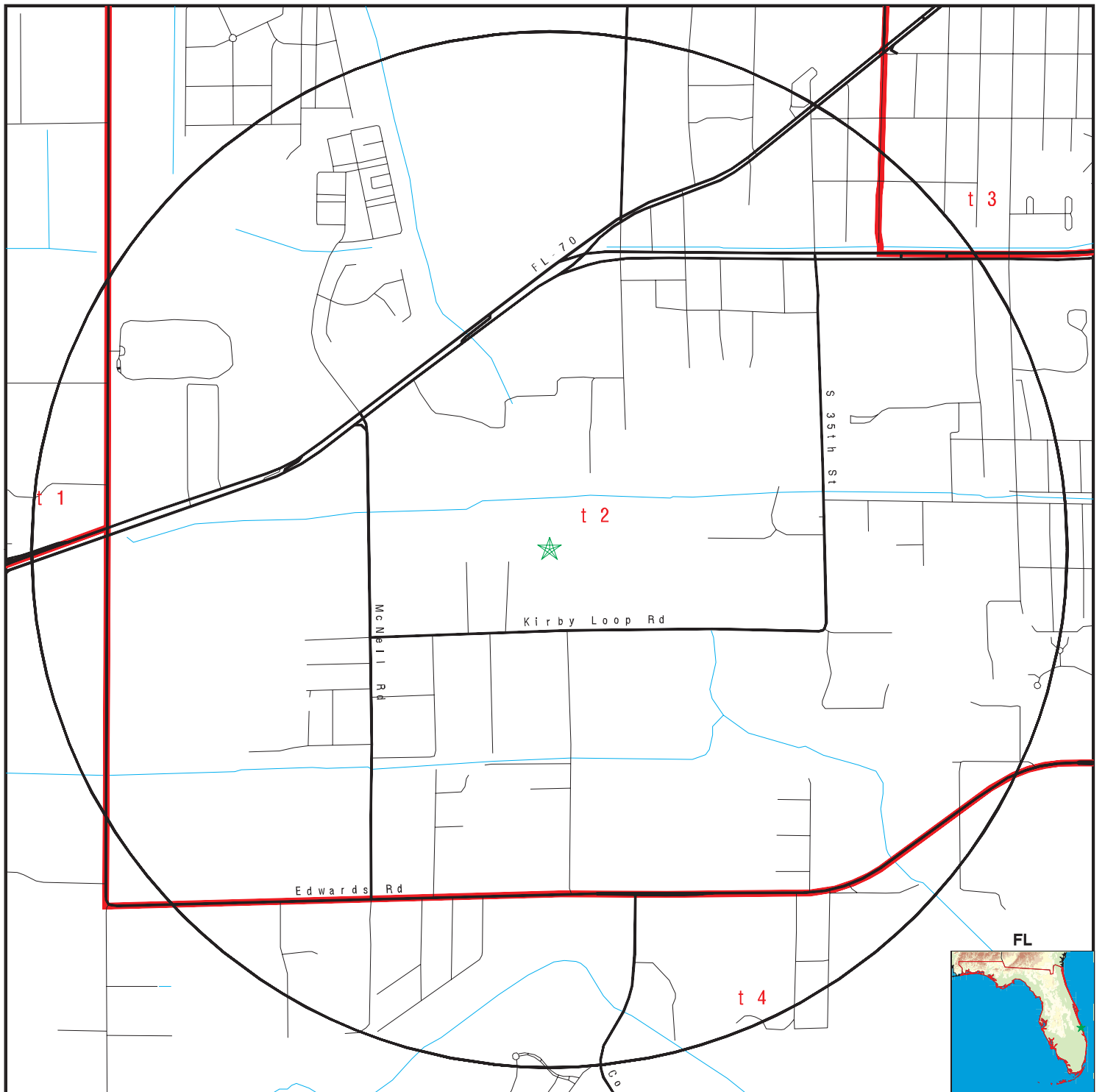
Other Public Receptors

Type	Within Search Radius	Sites Total
Day Care Centers:	☒	2
Medical Centers:	☐	
Nursing Homes:	☐	
Schools:	☒	7
Hospitals:	☐	
Colleges:	☒	1
Arena:	☐	
Prison:	☐	

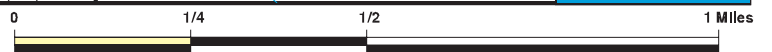
Environmental Receptors

Type	Within Search Radius	Sites Total
Federal Land:	☐	

CENSUS MAP - 06133812.1r



- ★ Target Property
- ∨ Roads
- ∩ Waterways
- ≡ Census Tracts



TARGET PROPERTY: 4600 Kirby Loop Rd
 ADDRESS: 4600 Kirby Loop Rd
 CITY/STATE/ZIP: Fort Pierce FL 34981
 LAT/LONG: 27.4172 / 80.3689

CUSTOMER: Geosyntec Consultants
 CONTACT: Zackary W Munger
 INQUIRY #: 06133812.1r
 DATE: July 24, 2020 4:52 pm

CENSUS FINDINGS

Map ID	Tract Number	Total Population	Population in Radius	Total Area(sq.mi.)	Area in Radius(sq.mi.)
T1	3808.00	3485	14.4	11.73	0.05
T2	3807.00	7636	3756.8	5.38	2.65
T3	3804.00	6294	69.3	1.76	0.02
T4	3814.02	6069	241.2	10.33	0.41

-
- A horizontal number line representing a distance of 1 mile. The line is marked with tick marks at 0, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, and 1 Miles. The segment between 0 and $\frac{1}{4}$ is highlighted in yellow.



CUSTOMER: Geosyntec Consultants
CONTACT: Zackary W Munger
INQUIRY #: 06133812.1r
DATE: July 24, 2020 4:52 pm

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

EDR ID
Database

1
NNE
1/2-1 mi
3107
Higher

SRDCFL201803607
Daycare

Facility ID: C19SL0039
Facility Name: PEPPERMINT PATTI'S ACADEMY INC
Contact: ROCHELLE MOSS
Address: 2306 S 39TH ST
City: FORT PIERCE
State: FL
Zip: 34981
Facility Type: Child Care Facility
Gold Seal: NACECEP
Capacity: 87

A2
NNW
1/2-1 mi
3235
Higher

SRPUB2018024803
Public Schools

School ID: 1207988
State Local Education #: FL-56
NCES Agency ID: 1201770
State School ID: FL-56-7006
NCES: 1.20E+11
School Name: MOSAIC DIGITAL ACADEMY PT ST. LUCIE VIRTUAL INSTRUC (COURSE
Address Line 1: 4204 OKEECHOBEE RD
Address Line 2: Not Reported
Address Line 3: Not Reported
City: FORT PIERCE
State: FL
Zip: 34947
Mailing Address 1: 4204 OKEECHOBEE RD
Mailing Address 2: Not Reported
Mailing Address 3: Not Reported
City: FORT PIERCE
State: FL
Zip: 34947
Phone #: (772)429-3913
School Status: Open
School Type: Regular School
Out-Of-State: No
Charter School: No
Charter Authorizer: Not Reported
Charter ID: Not Reported
Loweset Grade: KG
Highest Grade: 12
School Level: Other
Education Agency Name: ST. LUCIE

A3
NNW
1/2-1 mi
3235
Higher

SRPUB2018024801
Public Schools

School ID: 1207766
State Local Education #: FL-56
NCES Agency ID: 1201770
State School ID: FL-56-7001

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

EDR ID
Database

NCES: 1.20E+11
School Name: ST. LUCIE VIRTUAL INSTRUCTION PROGRAM
Address Line 1: 4204 OKEECHOBEE RD
Address Line 2: Not Reported
Address Line 3: Not Reported
City: FORT PIERCE
State: FL
Zip: 34947
Mailing Address 1: 4204 OKEECHOBEE RD
Mailing Address 2: Not Reported
Mailing Address 3: Not Reported
City: FORT PIERCE
State: FL
Zip: 34947
Phone #: (772)429-3913
School Status: Open
School Type: Regular School
Out-Of-State: No
Charter School: No
Charter Authorizer: Not Reported
Charter ID: Not Reported
Loweset Grade: KG
Highest Grade: 12
School Level: Other
Education Agency Name: ST. LUCIE

4
NE
1/2-1 mi
3592
Higher

SRPUB2018024790
Public Schools

School ID: 1203661
State Local Education #: FL-56
NCES Agency ID: 1201770
State School ID: FL-56-5031
NCES: 1.20E+11
School Name: PACE CENTER FOR GIRLS TREASURE COAST
Address Line 1: 3651 VIRGINIA AVE
Address Line 2: Not Reported
Address Line 3: Not Reported
City: FORT PIERCE
State: FL
Zip: 34981
Mailing Address 1: 3651 VIRGINIA AVE
Mailing Address 2: Not Reported
Mailing Address 3: Not Reported
City: FORT PIERCE
State: FL
Zip: 34981
Phone #: (772)595-8880
School Status: Open
School Type: Alternative School
Out-Of-State: No
Charter School: No
Charter Authorizer: Not Reported
Charter ID: Not Reported
Loweset Grade: 6

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

EDR ID
Database

Highest Grade: 12
School Level: Other
Education Agency Name: ST. LUCIE

5
North
1/2-1 mi
3629
Higher

SRPRI2018005165
Private Schools

School ID: A0700466
School Name: ST JAMES CHRISTIAN ACADEMY
Location Address: 4100 OKEECHOBEE RD, SUITES C & D
City: FORT PIERCE
State: FL
Zip: 34947
Mailing Address: 4300 OKEECHOBEE RD
City: FORT PIERCE
State: FL
Zip: 34947
of Students: 448
School Size: 4
of Teachers: 26.9
Kindergarteners: 38
Student/Teacher Ratio: 16.65427509
Ungraded Enrollment: 3
Nursery/PreK Enroll: 70
Kindergarten Enroll: 38
Trans Kindergarten Enroll: Not Reported
Trans 1st Grade Enroll: Not Reported
1st Grade Enroll: 31
2nd Grade Enroll: 47
3rd Grade Enroll: 49
4th Grade Enroll: 41
5th Grade Enroll: 44
6th Grade Enroll: 38
7th Grade Enroll: 52
8th Grade Enroll: 29
9th Grade Enroll: 31
10th Grade Enroll: 15
11th Grade Enroll: 17
12th Grade Enroll: 13
Total Enrollment: 518
Full Time Teachers: 26
3/4+ Time Teachers: 0
1/2+ Time Teachers: 0
1/4+ Time Teachers: 2
Less Than 1/4 Time Teachers: 1
Total Teachers: 29
School Type: 1
Located in Private Home: 2

6
SSW
1/2-1 mi
4077
Higher

SRPRI2018004395
Private Schools

School ID: A9302833
School Name: JES MEMORIAL SDA SCHOOL

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

EDR ID
Database

Location Address: Not Reported
City: Not Reported
State: Not Reported
Zip: Not Reported
Mailing Address: 3201 MEMORY LN FRNT
City: FORT PIERCE
State: FL
Zip: 34981
of Students: 40
School Size: 1
of Teachers: 4
Kindergarteners: 5
Student/Teacher Ratio: 10
Ungraded Enrollment: Not Reported
Nursery/PreK Enroll: Not Reported
Kindergarten Enroll: 5
Trans Kindergarten Enroll: Not Reported
Trans 1st Grade Enroll: Not Reported
1st Grade Enroll: 3
2nd Grade Enroll: 10
3rd Grade Enroll: 4
4th Grade Enroll: 6
5th Grade Enroll: 3
6th Grade Enroll: 5
7th Grade Enroll: 1
8th Grade Enroll: 3
9th Grade Enroll: Not Reported
10th Grade Enroll: Not Reported
11th Grade Enroll: Not Reported
12th Grade Enroll: Not Reported
Total Enrollment: 40
Full Time Teachers: 4
3/4+ Time Teachers: 0
1/2+ Time Teachers: 0
1/4+ Time Teachers: 0
Less Than 1/4 Time Teachers: 0
Total Teachers: 4
School Type: 1
Located in Private Home: 2

7
SSE
1/2-1 mi
4296
Higher

School ID: A0700531
School Name: GOLDEN RULE ACADEMY
Location Address: Not Reported
City: Not Reported
State: Not Reported
Zip: Not Reported
Mailing Address: 3891 EDWARDS RD
City: FORT PIERCE
State: FL
Zip: 34981
of Students: 175
School Size: 3

SRPRI2018004544
Private Schools

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

EDR ID
Database

of Teachers: 13.6
Kindergarteners: 16
Student/Teacher Ratio: 12.86764706
Ungraded Enrollment: Not Reported
Nursery/PreK Enroll: Not Reported
Kindergarten Enroll: 16
Trans Kindergarten Enroll: Not Reported
Trans 1st Grade Enroll: Not Reported
1st Grade Enroll: 14
2nd Grade Enroll: 11
3rd Grade Enroll: 15
4th Grade Enroll: 19
5th Grade Enroll: 15
6th Grade Enroll: 17
7th Grade Enroll: 14
8th Grade Enroll: 21
9th Grade Enroll: 8
10th Grade Enroll: 11
11th Grade Enroll: 11
12th Grade Enroll: 3
Total Enrollment: 175
Full Time Teachers: 13
3/4+ Time Teachers: 0
1/2+ Time Teachers: 1
1/4+ Time Teachers: 0
Less Than 1/4 Time Teachers: 0
Total Teachers: 14
School Type: 1
Located in Private Home: 2

8

NE

1/2-1 mi

4475

Higher

Name: Indian River State College
Address: 3209 Virginia Ave, Fort Pierce, Florida 34981-5596
Type: 4-year, primarily associate's, Public
Housing: No
Student Pop: 17598

SRCOLL201801752
Colleges

9

NW

1/2-1 mi

4657

Higher

School ID: 1206816
State Local Education #: FL-56
NCES Agency ID: 1201770
State School ID: FL-56-0141
NCES: 1.20E+11
School Name: SAMUEL S. GAINES ACADEMY K-8
Address Line 1: 2250 S JENKINS RD
Address Line 2: Not Reported
Address Line 3: Not Reported
City: FORT PIERCE
State: FL
Zip: 34947
Mailing Address 1: 2250 S JENKINS RD
Mailing Address 2: Not Reported

SRPUB2018024797
Public Schools

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

EDR ID
Database

Mailing Address 3: Not Reported
City: FORT PIERCE
State: FL
Zip: 34947
Phone #: (772)462-8888
School Status: Open
School Type: Regular School
Out-Of-State: No
Charter School: No
Charter Authorizer: Not Reported
Charter ID: Not Reported
Loweset Grade: PK
Highest Grade: 8
School Level: Elementary
Education Agency Name: ST. LUCIE

10
ENE
1/2-1 mi
4899
Higher

Facility ID: C19SL0024
Facility Name: I R S C CHILD DEVELOPMENT CENTER
Contact: SARA WHITACRE
Address: 2415 S 29TH ST
City: FORT PIERCE
State: FL
Zip: 34981
Facility Type: Child Care Facility
Gold Seal: Not Reported
Capacity: 75

SRDCFL201803577
Daycare

RECORDS SEARCHED/DATA CURRENCY TRACKING

COLLEGES: Integrated Postsecondary Education Data

National Center for Education Statistics
202-502-7300

The National Center for Education Statistics' primary database on integrated postsecondary education in the United States.

HOSPITALS: AHA Hospital Guide

American Hospital Association
312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

MEDICAL CENTERS: Centers for Medicare and Medicaid Services Listing

Centers for Medicare & Medicaid Services
410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health & Human Services.

NURSING HOMES: Directory of Nursing Homes

National Institutes of Health
301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

PRIVATE SCHOOLS: Private Schools of the United States

National Center for Education Statistics
202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

PUBLIC SCHOOLS: Public Schools

National Center for Education statistics
202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

FEDLAND: Federal and Indian Lands

U.S. Geological Survey
888-275-8747

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

PRISON: Prison Facilities Listing

Federal Bureau of Prisons
202-307-3198

List of facilities operated by the Federal Bureau of Prisons.

ARENA: Arena Directory Listing

arenamaps.com

A listing of arena locations.

DAY CARE: Department of Children & Families

Provider Information
850-488-4900

A statewide listing of day care centers.

PRISON: Prison Facilities Listing

Department of Corrections
850-488-5021

A listing of Prison Facilities in the state

STREET AND ADDRESS INFORMATION

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APPENDIX C

Field Forms



Daily PFAS Sampling Checklist

Date: 2/13/23

Site Name: IRSC

Weather (temperature/precipitation): 60 / clear

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☒ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☐ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☒ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☒ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☒ Clothing has not been recently laundered with a fabric softener
- ☒ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☒ Field crew has not used cosmetics, moisturizers, or other related products today
- ☒ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☒ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☒ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☒ No materials containing Teflon™, Viton™, or fluoropolymers
- ☒ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☒ No plastic clipboards, binders, or spiral hard cover notebooks
- ☒ No waterproof field books
- ☒ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☒ No chemical (blue) ice, unless it is contained in a sealed bag
- ☒ No aluminum foil
- ☒ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☒ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☒ "PFAS-free" water is on-site for decontamination of field equipment
- ☒ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- ☒ No food or drink on-site, except within staging area
- ☒ Food in staging area is contained in HDPE or stainless steel container

Notes:

Field staff did not wear boot covers

Field Team Leader Name (Print): Zack Munger

Field Team Leader Signature: 

Date/Time: 2/13/23 0930

Daily PFAS Sampling Checklist

Date: 2/14/23

Site Name: IRSC

Weather (temperature/precipitation): 50 / clear

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☒ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☐ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☒ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☒ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☒ Clothing has not been recently laundered with a fabric softener
- ☒ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☒ Field crew has not used cosmetics, moisturizers, or other related products today
- ☒ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☒ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☒ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☒ No materials containing Teflon™, Viton™, or fluoropolymers
- ☒ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☒ No plastic clipboards, binders, or spiral hard cover notebooks
- ☒ No waterproof field books
- ☒ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☒ No chemical (blue) ice, unless it is contained in a sealed bag
- ☒ No aluminum foil
- ☒ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☒ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☒ "PFAS-free" water is on-site for decontamination of field equipment
- ☒ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- ☒ No food or drink on-site, except within staging area
- ☒ Food in staging area is contained in HDPE or stainless steel container

Notes:

Field staff did not wear boot covers.

Field Team Leader Name (Print): Zack Munger

Field Team Leader Signature: 

Date/Time: 2/14/23 0730

Daily PFAS Sampling Checklist

Date: 4/15/23

Site Name: IRSC

Weather (temperature/precipitation): 65

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☒ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☐ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☒ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☒ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☒ Clothing has not been recently laundered with a fabric softener
- ☒ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☒ Field crew has not used cosmetics, moisturizers, or other related products today
- ☒ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☒ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☒ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☒ No materials containing Teflon™, Viton™, or fluoropolymers
- ☒ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☒ No plastic clipboards, binders, or spiral hard cover notebooks
- ☒ No waterproof field books
- ☒ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☒ No chemical (blue) ice, unless it is contained in a sealed bag
- ☒ No aluminum foil
- ☒ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☒ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☒ "PFAS-free" water is on-site for decontamination of field equipment
- ☒ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- ☒ No food or drink on-site, except within staging area
- ☒ Food in staging area is contained in HDPE or stainless steel container

Notes:

Field staff did not wear boot covers

Field Team Leader Name (Print): Zack Munger

Field Team Leader Signature: 

Date/Time: 2/15/23 0730

Daily PFAS Sampling Checklist

Date: 2/16/23

Site Name: IRSC

Weather (temperature/precipitation): 75 / cloudy

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☒ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☒ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☒ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☒ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☒ Clothing has not been recently laundered with a fabric softener
- ☒ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☒ Field crew has not used cosmetics, moisturizers, or other related products today
- ☒ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☒ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☒ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☒ No materials containing Teflon™, Viton™, or fluoropolymers
- ☒ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☒ No plastic clipboards, binders, or spiral hard cover notebooks
- ☒ No waterproof field books
- ☒ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☒ No chemical (blue) ice, unless it is contained in a sealed bag
- ☒ No aluminum foil
- ☒ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☒ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☒ "PFAS-free" water is on-site for decontamination of field equipment
- ☒ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- ☒ No food or drink on-site, except within staging area
- ☒ Food in staging area is contained in HDPE or stainless steel container

Notes:

Field staff did not wear boot covers

Field Team Leader Name (Print): Zack Munger

Field Team Leader Signature: 

Date/Time: 2/16/21 0730

Daily PFAS Sampling Checklist

Date: 2/17/27

Site Name: IRSC

Weather (temperature/precipitation): 70 / clear

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☒ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☒ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☒ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☒ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☒ Clothing has not been recently laundered with a fabric softener
- ☒ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☒ Field crew has not used cosmetics, moisturizers, or other related products today
- ☒ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☒ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☒ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☒ No materials containing Teflon™, Viton™, or fluoropolymers
- ☒ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☒ No plastic clipboards, binders, or spiral hard cover notebooks
- ☒ No waterproof field books
- ☒ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☒ No chemical (blue) ice, unless it is contained in a sealed bag
- ☒ No aluminum foil
- ☒ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☒ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☒ "PFAS-free" water is on-site for decontamination of field equipment
- ☒ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- ☒ No food or drink on-site, except within staging area
- ☒ Food in staging area is contained in HDPE or stainless steel container

Notes:

Field staff did not wear boot covers

Field Team Leader Name (Print): Zack Munger

Field Team Leader Signature: 

Date/Time: 2/17/23 0745

Daily PFAS Sampling Checklist

Date: 2/20/2023

Site Name: Indian River State College

Weather (temperature/precipitation): Heat Index = 90.5 F

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☒ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☐ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☐ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☒ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☒ Clothing has not been recently laundered with a fabric softener
- ☒ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☒ Field crew has not used cosmetics, moisturizers, or other related products today
- ☒ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☒ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☒ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☒ No materials containing Teflon™, Viton™, or fluoropolymers
- ☒ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☒ No plastic clipboards, binders, or spiral hard cover notebooks
- ☒ No waterproof field books
- ☒ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☒ No chemical (blue) ice, unless it is contained in a sealed bag
- ☒ No aluminum foil
- ☒ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☒ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☒ "PFAS-free" water is on-site for decontamination of field equipment
- ☒ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- ☒ No food or drink on-site, except within staging area
- ☒ Food in staging area is contained in HDPE or stainless steel container

Notes:

Treated safety boots worn.

Field Team Leader Name (Print): Joshua Udvardy

Field Team Leader Signature: 

Date/Time: 2/20/23 950

Daily PFAS Sampling Checklist

Date: 2/21/23

Site Name: Indian River State College

Weather (temperature/precipitation): Heat Index = 80.5 F

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☒ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☐ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☐ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☒ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☒ Clothing has not been recently laundered with a fabric softener
- ☒ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☒ Field crew has not used cosmetics, moisturizers, or other related products today
- ☒ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☒ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☐ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☒ No materials containing Teflon™, Viton™, or fluoropolymers
- ☒ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☒ No plastic clipboards, binders, or spiral hard cover notebooks
- ☒ No waterproof field books
- ☒ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☒ No chemical (blue) ice, unless it is contained in a sealed bag
- ☒ No aluminum foil
- ☒ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☒ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☒ "PFAS-free" water is on-site for decontamination of field equipment
- ☒ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- ☒ No food or drink on-site, except within staging area
- ☒ Food in staging area is contained in HDPE or stainless steel container

Notes:

Treated leather boots worn.

Field Team Leader Name (Print): Joshua Udevandy

Field Team Leader Signature: 

Date/Time: 2/21/23 745

TABLE 1: SAMPLING WORK PLAN TABLE

Florida State Fire College

Location ID	Sample ID	Depth Interval (ft BLS)	Sample Method	Date and Time	Comments
Soil Samples					
SB-79	SB-79 (0-0.5')	0-0.5	HA	2/13/23 1317	yellow-brown, fine medium sand; trace roots, dry
	SB-79 (0.5-2')	0.5-2		2/13/23 1319	light gray fine-med SAND w/rilt, moist
	SB-79 (2-4')	2-4		2/13/23 1321	"
	SB-79 (5-7')	5-7		2/13/23 1323	light gray silty SAND, w/shell fragments, wet
	SB-79 (8-10')	8-10		2/13/23 1325	light gray fine-med SAND, wet
SB-80	SB-80 (0-0.5')	0-0.5		2/13/23 1154	dk brown fine SAND, dry
	SB-80 (0.5-2')	0.5-2		2/13/23 1156	brown fine SAND, dry
	SB-80 (2-4')	2-4		2/13/23 1158	gray-brown fine SAND, dry
	SB-80 (5-7')	5-7		2/13/23 1200	yellow brown fine SAND, moist
	SB-80 (8-10')	8-10		2/13/23 1202	gray fine SAND, wet
SB-81	SB-81 (0-0.5')	0-0.5		2/13/23 1236	dark brown, fine sand dry
	SB-81 (0.5-2')	0.5-2		2/13/23 1238	brown, fine sand dry
	SB-81 (2-4')	2-4		2/13/23 1240	gray-brown, fine sand dry
	SB-81 (5-7')	5-7		2/13/23 1242	beige fine sand small bits of rock moist
	SB-81 (8-10')	8-10		2/13/23 1244	gray, fine sand moist

TABLE 1: SAMPLING WORK PLAN TABLE

Florida State Fire College

Location ID	Sample ID	Depth Interval (ft BLS)	Sample Method	Date and Time	Comments
SB-82	SB-82 (0-0.5')	0-0.5	HA	2/13/23 1306	dark brown, fine sand dry
	SB-82 (0.5-2')	0.5-2		2/13/23 1308	brown, fine sand dry
	SB-82 (2-4')	2-4		2/13/23 1310	gray-brown, fine sand dry
	SB-82 (5-7')	5-7		2/13/23 1312	beige/light tan, fine sand moist
	SB-82 (8-10')	8-10		2/13/23 1314	clay at 8' } fine sand 8-10' gray, moist } gray-beige, wet
SB-83	SB-83 (0-0.5')	0-0.5		2/13/23 1220	dark brown, fine sand dry
	SB-83 (0.5-2')	0.5-2		2/13/23 1222	brown, fine sand dry
	SB-83 (2-4')	2-4		2/13/23 1224	gray-brown, fine sand dry
	SB-83 (5-7')	5-7		2/13/23 1228	beige/light tan, fine sand small bits of rock, moist
	SB-83 (8-10')	8-10		2/13/23 1230	gray, fine sand wet
SB-84	SB-84 (0-0.5')	0-0.5		2/15/23 1243	dk gray fine-med SAND, dry
	SB-84 (0.5-2')	0.5-2		2/15/23 1245	dk gray fine-med SAND, moist
SB-85	SB-85 (0-0.5')	0-0.5		2/15/23 1246	dk gray fine-med SAND, dry
	SB-85 (0.5-2')	0.5-2		2/15/23 1248	dk gray fine-med SAND, moist
SB-86	SB-86 (0-0.5')	0-0.5		2/15/23 1242	dk gray fine-med SAND, dry
	SB-86 (0.5-2')	0.5-2		2/15/23 1244	dk gray fine-med SAND, moist

TABLE 1: SAMPLING WORK PLAN TABLE

Florida State Fire College

Location ID	Sample ID	Depth Interval (ft BLS)	Sample Method	Date and Time	Comments
SB-87	SB-87 (0-0.5')	0-0.5	HA	2/15/23 1238	Dk gray fine-med SAND, moist
	SB-87 (0.5-2')	0.5-2		2/15/23 1240	Gray fine-med SAND, wet
Surface Water Samples					
SW-21	SW-21	N/A	Grab	2/15/23 1330	
	SW-21 (DUP)			2/15/23 1335	
SW-22	SW-22			2/15/23 1310	
SW-23	SW-23			2/15/23 1318	
Monitoring Well Samples					
DEPMW-1 (5-15')	DEPMW-1 (5-15')	5-15	Peristaltic Pump		
DEPMW-2 (7-17')	DEPMW-2 (7-17')	7-17			
	DEPMW-2 (7-17') (DUP)				
DEPMW-3 (7-17')	DEPMW-3 (7-17')	7-17			
DEPMW-4 (7-17')	DEPMW-4 (7-17')	7-17			
DEPMW-5 (5-15')	DEPMW-5 (5-15')	5-15	Peristaltic Pump		
DEPMW-6 (7-17')	DEPMW-6 (7-17')	7-17			
DEPMW-7 (5-15')	DEPMW-7 (5-15')	5-15			

TABLE 1: SAMPLING WORK PLAN TABLE
Florida State Fire College

Location ID	Sample ID	Depth Interval (ft BLS)	Sample Method	Date and Time	Comments
DEPMW-52 (7-17)	DEPMW-52 (7-17)	7-17	Peristaltic Pump		
DEPMW-53 (7-17)	DEPMW-53 (7-17)	7-17			
DEPMW-54 (7-17)	DEPMW-54 (7-17)	7-17			
DEPMW-55 (7-17)	DEPMW-55 (7-17)	7-17			
DEPMW-56 (7-17)	DEPMW-56 (7-17)	7-17			
DEPMW-57 (7-17)	DEPMW-57 (7-17)	7-17			
DEPMW-58 (25-35)	DEPMW-58 (25-35)	25-35			
DEPMW-59 (40-50)	DEPMW-59 (40-50)	40-50			
DEPMW-60 (40-50)	DEPMW-60 (40-50)	40-50			
	DEPMW-60 (40-50) (DUP)				
DEPMW-61 (40-50)	DEPMW-61 (40-50)	40-50			
DEPMW-62 (110-130)	DEPMW-62 (110-130)	160-180	Electric Submersible		
QA/QC Samples					
Activity	Sample ID	Equipment Sampled		Date and Time	Comments
Soil Sampling	EQB-64	HA		2/13/23 1314	Sample collected before: 15-82 (5-10) Sample collected after: 58-77 (5-10) Bottle number: 00080826
	EQB-65			2/15/23 1221	Sample collected before: 58-77 (2-4) Sample collected after: 58-84 (0-0.5) Bottle number: 00080826

TABLE 1: SAMPLING WORK PLAN TABLE

Florida State Fire College

Location ID	Sample ID	Depth Interval (ft BLS)	Sample Method	Date and Time	Comments
Monitoring Well Installation	EQB-66	Peristaltic Pump		2/15/23 0922	Sample collected before: DEPMW-58 Sample collected after: DEPMW-60 Bottle number: 00080826
	EQB-67			2/15/23 1058	Sample collected before: NA Sample collected after: DEPMW-59 Bottle number: 00080514
	EQB-68			2/16/23 1250	Sample collected before: DEPMW-61 Sample collected after: NA Bottle number: 00080514
	EQB-69			2/21/23 0915	Sample collected before: DEPMW-62 Sample collected after: NA Bottle number: 00080514
Monitoring Well Sampling	EQB-70	Peristaltic Pump			Sample collected before: Sample collected after: Bottle number:
	EQB-71				Sample collected before: Sample collected after: Bottle number:
	EQB-72				Sample collected before: Sample collected after: Bottle number:
Surface Water Soil Sampling	FRB-21	N/A		2/15/23 1322	Sample location and field activity: SW-23 ; SW sampling
Decontamination	FRB-22			2/15/23 1130	Sample location and field activity: DEPMW-59 ; DEPMW rod decon
Monitoring Well Sampling	FRB-23				Sample location and field activity:

BORING LOG

Page 1 of 3

Boring/Well Number: DEPMU-62		Permit Number: —		FDEP Facility Identification Number: —	
Site Name: TRSC		Borehole Start Date: 2/20/23 End Date: 2/21/23		Borehole Start Time: 1300 ☐ AM ☒ PM End Time: 1100 ☒ AM ☐ PM	
Environmental Contractor: Geosyntec Consultants		Geologist's Name: —		Environmental Technician's Name: Joshua Udeardy	
Drilling Company: GPI		Pavement Thickness (inches): 0		Borehole Diameter (inches): 6	
Drilling Method(s): SC		Apparent Borehole DTW (in feet from soil moisture content): 6		Measured Well DTW (in feet after water recharges in well): 6.8	
				OVA (list model and check type): NA ☐ FID ☐ PID	
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other (describe if other or multiple items are checked):					
Borehole Completion (check one): ☒ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-5	60 60"	NA	NA	NA	NA	0-5	light brown and dark gray var to fine grained SAND, some gravel, trace silts, loose	SW	M	
			NA								
			NA								
			NA								
SC	5-10	48 60"	NA				5-7	gray silty SAND, loose	SM	W	
			NA								
			NA				7-8	yellowish brown and light gray fine to red grained SAND, loose	SP	W	
			NA								
			NA				8-10	- very light gray and pale brown fine to red grained SAND, loose	SP	W	
			NA								
			NA								
			NA								

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number: DEDMW-62		FDEP Facility Identification Number: —			Site Name: IRSC		Borehole Start Date: 2/20/23 End Date: 2/21/23					
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)	
SC	10-20	117	NA	NA	NA	NA	10-20	gray silty SAND, loose	SW	W		
		20"	NA					v. fine to med grained SAND, trace silts, loose				
			NA									
	20-30	123	NA	NA	NA	NA	20-30	light gray v. fine to med grained SAND, loose	SW	W		
		120	NA									
			NA									
	30-40	122	NA	NA	NA	NA	30-40	gray v. fine to med grained SAND, trace silts, loose	SW	W		
		120	NA									
			NA									
	40-50	123	NA	NA	NA	NA	40-48	light gray fine to med grained SAND w/ inerture/shell frag.	SP	W		
		120	NA									
			NA									
			NA				48-50	light gray limestone/shell frag., some v. fine to fine grained sand, loose				W
			NA									
			NA									
	50-60	120	NA	NA	NA	NA	50-52	same as above		W		
		120	NA				52-60	gray sandy SILT and shell hash, clay lens @ 54' and 58', low plast.				
			NA									
			NA									
			NA									

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

83 / 3
Page 2 of 3

Boring/Well Number: DEPMW-62		FDEP Facility Identification Number: 1				Site Name: IRSC		Borehole Start Date: 2/20/23 End Date: 2/21/23			
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
SC	60-70	120 / 120	NA	NA	NA	NA	60-67	light gray clayey SILT, some limestone / shell frag., med. plasticity	SC	W	
			NA				67-70	light gray shell hash and med. to coarse grained SAND, loose	SW	W	
SC	70-80	120 / 120	NA	NA	NA	NA	70-80	light gray fine to med grained SAND, some shell fragments, loose	SP	W	
SC	80-90	116 / 120	NA				80-90	light gray same as above		W	
SC	90-100	118 / 120	NA	NA	NA	NA	90-100	gray v. fine to med grained SAND, loose, trace shell frag.	SW	W	
SC	100-110	120 / 120	NA	NA	NA	NA	100-110	same as above above			
SC	110-120	120 / 120	NA	NA	NA	NA	110-120	gray silty SAND, trace shell frag., low plast.	SM	W	
SC	120-130	130 / 120	NA	NA	NA	NA	120-130	gray sandy SILT, trace shell frag., low plast.	SC	W	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <u>DEPMW-49</u>		Site Name: <u>Indian River State College</u>		FDEP Facility I.D. Number: <u>ERIC_7410</u>	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): <u>2/15/23</u>	
If AG, list feet of riser above land surface:		Well Install Method: <u>Direct push</u>		Surface Casing Install Method: <u>None</u>	
Borehole Depth (feet): <u>17</u>	Well Depth (feet): <u>17</u>	Borehole Diameter (inches): <u>3.25</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <u>sch 40 PVC 1"</u>		Riser/Screen Connections: ☒ Flush-T threaded ☐ Other (describe)		Riser Length: <u>7</u> feet from <u>0</u> feet to <u>7</u> feet	
Screen Diameter and Material: <u>sch 40 PVC 1"</u>		Screen Slot Size: <u>0.010"</u>		Screen Length: <u>10</u> feet from <u>7</u> feet to <u>17</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: <u> </u> feet from <u> </u> feet to <u> </u> feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: <u> </u> feet from <u> </u> feet to <u> </u> feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: <u> </u> feet from <u> </u> feet to <u> </u> feet	
Filter Pack Material and Size: <u>20/30 SAND</u>		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: <u>12</u> feet from <u>5</u> feet to <u>17</u> feet	
Filter Pack Seal Material and Size: <u>30/60 SAND</u>				Filter Pack Seal Length: <u>2</u> feet from <u>3</u> feet to <u>5</u> feet	
Surface Seal Material: <u>Portland cement</u>				Surface Seal Length: <u>2</u> feet from <u>0</u> feet to <u>2</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: <u>2/15/23</u>		Well Development Method (check one): ☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): <u>12.37</u>	
Pumping Rate (gallons per minute): <u>0.2</u>		Maximum Drawdown of Groundwater During Development (feet): <u>NM</u>	
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Well Purged Dry (check one): ☒ Yes ☐ No <u>yes purged dry</u>	
Total Development Water Removed (gallons): <u>~5</u>		Development Duration (minutes): <u>30</u>	
Development Water Drummed (check one): ☒ Yes ☐ No			
Water Appearance (color and odor) At Start of Development: <u>gray no odor</u>		Water Appearance (color and odor) At End of Development: <u>clear no odor</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS	
<u>1 bag 20/30</u> <u>begin develop @ 1424</u> <u>0.5 bag 30/60</u>	

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <u>DEPMN-50</u>		Site Name: <u>Indian River State College</u>		FDEP Facility I.D. Number: <u>ERIC_7410</u>	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): <u>2/16/23</u>	
If AG, list feet of riser above land surface:		Well Install Method: <u>OPT</u>		Surface Casing Install Method: <u>NA</u>	
Borehole Depth (feet): <u>17</u>	Well Depth (feet): <u>17</u>	Borehole Diameter (inches): <u>3.25</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <u>Sched. 40 PVC 1"</u>		Riser/Screen Connections: ☒ Flush-T threaded ☐ Other (describe)		Riser Length: <u>7</u> feet from <u>0</u> feet to <u>7</u> feet	
Screen Diameter and Material: <u>Sched. 40 PVC 1"</u>		Screen Slot Size: <u>0.010"</u>		Screen Length: <u>10</u> feet from <u>7</u> feet to <u>17</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: from <u> </u> feet to <u> </u> feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: from <u> </u> feet to <u> </u> feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: from <u> </u> feet to <u> </u> feet	
Filter Pack Material and Size: <u>20/30 silica sand</u>		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: <u>12</u> feet from <u>5</u> feet to <u>17</u> feet	
Filter Pack Seal Material and Size: <u>30/65 thick fine sand</u>				Filter Pack Seal Length: <u>2</u> feet from <u>3</u> feet to <u>5</u> feet	
Surface Seal Material: <u>portland cement</u>				Surface Seal Length: <u>3</u> feet from <u>0</u> feet to <u>3</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: <u>2/16/23</u>		Well Development Method (check one): ☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): <u>8.17</u>	
Pumping Rate (gallons per minute): <u>0.25</u>		Maximum Drawdown of Groundwater During Development (feet): <u>NM</u>	
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Well Purged Dry (check one): ☒ Yes ☐ No	
Total Development Water Removed (gallons): <u>4.0</u>		Development Duration (minutes): <u>16</u>	
Development Water Drummed (check one): ☒ Yes ☐ No			
Water Appearance (color and odor) At Start of Development: <u>brown</u>		Water Appearance (color and odor) At End of Development: <u>clear</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS	
1 bag of 20/30	0903 start developing
0.5 bag of 30/65	0919 finish developing

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <u>DEP MW-51</u>		Site Name: <u>Indian River State College</u>		FDEP Facility I.D. Number: <u>ERIC_7410</u>	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): <u>2/16/23</u>	
If AG, list feet of riser above land surface:		Well Install Method: <u>DPT</u>		Surface Casing Install Method: <u>NA</u>	
Borehole Depth (feet): <u>17</u>	Well Depth (feet): <u>17</u>	Borehole Diameter (inches): <u>3.25</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <u>Sched. 40 PVC 1"</u>		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: <u>7</u> feet from <u>0</u> feet to <u>7</u> feet	
Screen Diameter and Material: <u>Sched. 40 PVC 1"</u>		Screen Slot Size: <u>0.010"</u>		Screen Length: <u>10</u> feet from <u>7</u> feet to <u>17</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: <u>17</u> feet from <u>0</u> feet to <u>17</u> feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: <u>0</u> feet from <u>0</u> feet to <u>0</u> feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: <u>0</u> feet from <u>0</u> feet to <u>0</u> feet	
Filter Pack Material and Size: <u>20/30 silica sand</u>		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: <u>12</u> feet from <u>5</u> feet to <u>17</u> feet	
Filter Pack Seal Material and Size: <u>30/65 thick fine sand</u>				Filter Pack Seal Length: <u>2</u> feet from <u>3</u> feet to <u>5</u> feet	
Surface Seal Material: <u>portland cement</u>				Surface Seal Length: <u>3</u> feet from <u>0</u> feet to <u>3</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: <u>2/16/23</u>		Well Development Method (check one): ☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): <u>6.22</u>	
Pumping Rate (gallons per minute): <u>0.16</u>		Maximum Drawdown of Groundwater During Development (feet): <u>NM</u>	
Well Purged Dry (check one): ☐ Yes ☒ No			
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Development Water Drummed (check one): ☒ Yes ☐ No	
Total Development Water Removed (gallons): <u>3.5</u>		Development Duration (minutes): <u>22</u>	
Water Appearance (color and odor) At Start of Development: <u>light brown</u>		Water Appearance (color and odor) At End of Development: <u>clear</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS	
<u>1 bag of 20/30</u> <u>0.5 bag of 30/65</u> <u>1038 start developing</u> <u>1100 stop developing</u>	

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <u>DEPMW-52</u>		Site Name: <u>Indian River State College</u>		FDEP Facility I.D. Number: <u>ERIC_7410</u>	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☒ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): <u>2/13/23</u>	
If AG, list feet of riser above land surface:		Well Install Method: <u>DPT</u>		Surface Casing Install Method: <u>NA</u>	
Borehole Depth (feet): <u>17</u>	Well Depth (feet): <u>17</u>	Borehole Diameter (inches): <u>3.25</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <u>Sched. 40 PVC 1"</u>		Riser/Screen Connections: ☒ Flush-T Threaded ☐ Other (describe)		Riser Length: <u>7</u> feet from <u>0</u> feet to <u>7</u> feet	
Screen Diameter and Material: <u>Sched. 40 PVC 1"</u>		Screen Slot Size: <u>0.010"</u>		Screen Length: <u>10</u> feet from <u>7</u> feet to <u>17</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: <u>20/30 silica sand</u>		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: <u>12</u> feet from <u>5</u> feet to <u>17</u> feet	
Filter Pack Seal Material and Size: <u>39/65 thick fine sand</u>				Filter Pack Seal Length: <u>2</u> feet from <u>3</u> feet to <u>5</u> feet	
Surface Seal Material: <u>portland concrete</u>				Surface Seal Length: <u>3</u> feet from <u>0</u> feet to <u>3</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: <u>2/13/23</u>		Well Development Method (check one): ☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): <u>9.7</u>	
Pumping Rate (gallons per minute): <u>0.25</u> <u>0.19</u>		Maximum Drawdown of Groundwater During Development (feet): <u>NM</u>	
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Well Purged Dry (check one): ☐ Yes ☒ No	
Total Development Water Removed (gallons): <u>4.5</u>		Development Duration (minutes): <u>24</u>	
Development Water Drummed (check one): ☒ Yes ☐ No			
Water Appearance (color and odor) At Start of Development: <u>brown</u>		Water Appearance (color and odor) At End of Development: <u>clear</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
<u>1527 pump start; 1557 pump stop</u> <u>1/2 bag 20/30 + 1/2 bag 39/65</u>

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <u>DEPMW-53</u>		Site Name: <u>Indian River State College</u>		FDEP Facility I.D. Number: <u>ERIC_7410</u>	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): <u>2/15/23</u>	
If AG, list feet of riser above land surface:		Well Install Method: <u>Direct push</u>		Surface Casing Install Method: <u>None</u>	
Borehole Depth (feet): <u>17</u>	Well Depth (feet): <u>17</u>	Borehole Diameter (inches): <u>3.25</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <u>sch 40 PVC 1"</u>		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: <u>7</u> feet from <u>0</u> feet to <u>7</u> feet	
Screen Diameter and Material: <u>sch 40 PVC 1"</u>		Screen Slot Size: <u>0.010 "</u>		Screen Length: <u>10</u> feet from <u>7</u> feet to <u>17</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: <u>20/30 sand</u>		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: <u>12</u> feet from <u>5</u> feet to <u>17</u> feet	
Filter Pack Seal Material and Size: <u>30/60 sand</u>				Filter Pack Seal Length: <u>2</u> feet from <u>3</u> feet to <u>5</u> feet	
Surface Seal Material: <u>Portland cement</u>				Surface Seal Length: <u>3</u> feet from <u>0</u> feet to <u>3</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: <u>2/17/23</u>		Well Development Method (check one): ☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☐ Submersible ☒ Centrifugal ☐ Peristaltic		Depth to Groundwater (before developing in feet): <u>8.05</u>	
Pumping Rate (gallons per minute): <u>0.2</u>		Maximum Drawdown of Groundwater During Development (feet): <u>6</u>	
Well Purged Dry (check one): ☐ Yes ☒ No			
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Development Duration (minutes): <u>30</u>	
Total Development Water Removed (gallons): <u>45</u>		Development Water Drummed (check one): ☒ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: <u>brown</u>		Water Appearance (color and odor) At End of Development: <u>clean</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS	
<u>1 bag 20/30 sand</u> <u>begin developing @ 0755</u> <u>0.5 bag 30/60 sand</u> <u>finish developing @ 0825</u>	

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA				
Well Number: <u>DEPMW-54</u>	Site Name: <u>Indian River State College</u>	FDEP Facility I.D. Number: <u>ERIC_7410</u>	Well Install Date(s): <u>2/15/23</u>	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Method: <u>Direct Push</u>
If AG, list feet of riser above land surface:		Surface Casing Install Method: <u>None</u>		
Borehole Depth (feet): <u>17</u>	Well Depth (feet): <u>17</u>	Borehole Diameter (inches): <u>3.25</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet
Riser Diameter and Material: <u>sch 40 PVC 1"</u>		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)	Riser Length: <u>7</u> feet from <u>0</u> feet to <u>7</u> feet	
Screen Diameter and Material: <u>sch 40 PVC 1"</u>		Screen Slot Size: <u>0.010</u>	Screen Length: <u>10</u> feet from <u>7</u> feet to <u>17</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: <u>20/30 Sand</u>	Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: <u>12</u> feet from <u>5</u> feet to <u>17</u> feet	
Filter Pack Seal Material and Size: <u>30/65 Sand</u>		Filter Pack Seal Length: <u>2</u> feet from <u>3</u> feet to <u>5</u> feet		
Surface Seal Material: <u>Portland cement</u>		Surface Seal Length: <u>3</u> feet from <u>0</u> feet to <u>3</u> feet		

WELL DEVELOPMENT DATA			
Well Development Date: <u>2/17/23</u>	Well Development Method (check one): ☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)		
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)	Depth to Groundwater (before developing in feet): <u>7.95</u>		
Pumping Rate (gallons per minute): <u>0.2</u>	Maximum Drawdown of Groundwater During Development (feet): <u>NM</u>	Well Purged Dry (check one): ☐ Yes ☒ No	
Pumping Condition (check one): ☒ Continuous ☐ Intermittent	Total Development Water Removed (gallons): <u>~5</u>	Development Duration (minutes): <u>30</u>	Development Water Drummed (check one): ☒ Yes ☐ No
Water Appearance (color and odor) At Start of Development: <u>brown</u>		Water Appearance (color and odor) At End of Development: <u>clear</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS	
<u>1 bag 20/30 sand</u> <u>0.5 bag 30/65 sand</u>	<u>Begin developing @ 1000</u> <u>Finish developing @ 1070</u>

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <u>DEPMW-55</u>		Site Name: <u>Indian River State College</u>		FDEP Facility I.D. Number: <u>ERIC_7410</u>	
Well Location and Type (check appropriate boxes): ☐ On-Site ☐ Right-of-Way ☒ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): <u>2/14/23</u>	
If AG, list feet of riser above land surface:		Well Install Method: <u>DPT</u>		Surface Casing Install Method: <u>NA</u>	
Borehole Depth (feet): <u>17</u>	Well Depth (feet): <u>17</u>	Borehole Diameter (inches): <u>3.25</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <u>Sched. 40 PVC 1"</u>		Riser/Screen Connections: ☒ Flush-T threaded ☐ Other (describe)		Riser Length: <u>7</u> feet from <u>0</u> feet to <u>7</u> feet	
Screen Diameter and Material: <u>Sched. 40 PVC 1"</u>		Screen Slot Size: <u>0.010"</u>		Screen Length: <u>10</u> feet from <u>7</u> feet to <u>17</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches): <u>4.5</u>		1 st Surface Casing Length: <u>7</u> feet from <u>0</u> feet to <u>7</u> feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches): <u>4.5</u>		2 nd Surface Casing Length: <u>10</u> feet from <u>7</u> feet to <u>17</u> feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches): <u>4.5</u>		3 rd Surface Casing Length: <u>10</u> feet from <u>7</u> feet to <u>17</u> feet	
Filter Pack Material and Size: <u>20/30 silica sand</u>		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: <u>12</u> feet from <u>5</u> feet to <u>17</u> feet	
Filter Pack Seal Material and Size: <u>30/65 thick fine sand</u>				Filter Pack Seal Length: <u>2</u> feet from <u>3</u> feet to <u>5</u> feet	
Surface Seal Material: <u>portland concrete</u>				Surface Seal Length: <u>3</u> feet from <u>0</u> feet to <u>3</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: <u>2/14/23</u>		Well Development Method (check one): ☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): <u>5.0</u>	
Pumping Rate (gallons per minute): <u>0.2</u>		Maximum Drawdown of Groundwater During Development (feet): <u>MM</u>	
Well Purged Dry (check one): ☐ Yes ☒ No			
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Development Duration (minutes): <u>20</u>	
Total Development Water Removed (gallons): <u>4.0</u>		Development Water Drummed (check one): ☒ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: <u>brown</u>		Water Appearance (color and odor) At End of Development: <u>clear</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
<u>1 bag of sand</u> <u>0930 begin developing; 0950 finish developing</u>

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <u>DEPMN-56</u>		Site Name: <u>Indian River State College</u>		FDEP Facility I.D. Number: <u>ERIC_7410</u>	
Well Location and Type (check appropriate boxes): ☐ On-Site ☐ Right-of-Way ☒ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): <u>2/14/13</u>	
If AG, list feet of riser above land surface:		Well Install Method: <u>DPT</u>		Surface Casing Install Method: <u>NA</u>	
Borehole Depth (feet): <u>17</u>	Well Depth (feet): <u>17</u>	Borehole Diameter (inches): <u>3.25</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <u>Sched. 40 PVC 1"</u>		Riser/Screen Connections: ☒ Flush-T threaded ☐ Other (describe)		Riser Length: <u>7</u> feet from <u>0</u> feet to <u>7</u> feet	
Screen Diameter and Material: <u>Sched. 40 PVC 1"</u>		Screen Slot Size: <u>0.010"</u>		Screen Length: <u>10</u> feet from <u>7</u> feet to <u>17</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches): <u>4.0</u>		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches): _____		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches): _____		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: <u>20/30 silica sand</u>		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: <u>12</u> feet from <u>5</u> feet to <u>17</u> feet	
Filter Pack Seal Material and Size: <u>30/65 Thick fine sand</u>				Filter Pack Seal Length: <u>2</u> feet from <u>3</u> feet to <u>5</u> feet	
Surface Seal Material: <u>portland concrete</u>				Surface Seal Length: <u>3</u> feet from <u>0</u> feet to <u>3</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: <u>2/14/13</u>		Well Development Method (check one): ☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): <u>NM</u>	
Pumping Rate (gallons per minute): <u>0.2</u>		Maximum Drawdown of Groundwater During Development (feet): <u>NM</u>	
Well Purged Dry (check one): ☐ Yes ☒ No			
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Development Duration (minutes): <u>20</u>	
Total Development Water Removed (gallons): <u>4.0</u>		Development Water Drummed (check one): ☒ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: <u>brown</u>		Water Appearance (color and odor) At End of Development: <u>clear</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
<u>1.5 bags of sand</u> <u>1309 begin developing; 1329 finish developing</u>

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <u>DEPMW-57</u>		Site Name: <u>Indian River State College</u>		FDEP Facility I.D. Number: <u>ERIC_7410</u>	
Well Location and Type (check appropriate boxes): ☐ On-Site ☐ Right-of-Way ☒ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): <u>2/14/23</u>	
If AG, list feet of riser above land surface:		Well Install Method: <u>DPT</u>		Surface Casing Install Method: <u>NA</u>	
Borehole Depth (feet): <u>17</u>	Well Depth (feet): <u>17</u>	Borehole Diameter (inches): <u>3.25</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <u>Sched. 40 PVC 1"</u>		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: <u>7</u> feet from <u>0</u> feet to <u>7</u> feet	
Screen Diameter and Material: <u>Sched. 40 PVC 1"</u>		Screen Slot Size: <u>0.010</u>		Screen Length: <u>10</u> feet from <u>7</u> feet to <u>17</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches): <u>3.25</u>		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: <u>20/30 silica sand</u>		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: <u>12</u> feet from <u>5</u> feet to <u>17</u> feet	
Filter Pack Seal Material and Size: <u>30/65 Thick fine sand</u>				Filter Pack Seal Length: <u>2</u> feet from <u>3</u> feet to <u>5</u> feet	
Surface Seal Material: <u>portland concrete</u>				Surface Seal Length: <u>3</u> feet from <u>0</u> feet to <u>3</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: <u>2/14/23</u>		Well Development Method (check one): ☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☐ Submersible ☒ Centrifugal ☐ Peristaltic ☐ Other (describe)		Depth to Groundwater (before developing in feet): <u>NM</u>	
Pumping Rate (gallons per minute): <u>0.2</u>		Maximum Drawdown of Groundwater During Development (feet): <u>NM</u>	
Well Purged Dry (check one): ☐ Yes ☒ No			
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Development Duration (minutes): <u>23</u>	
Total Development Water Removed (gallons): <u>4.5</u>		Development Water Drummed (check one): ☒ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: <u>brown</u>		Water Appearance (color and odor) At End of Development: <u>clear</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
<u>1 bag of sand</u> <u>1030 begin developing; 1053 finish developing</u>

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA				
Well Number: <u>DEPMW-58</u>	Site Name: <u>Indian River State College</u>	FDEP Facility I.D. Number: <u>ERIC_7410</u>	Well Install Date(s): <u>2/14/23</u>	
Well Location and Type (check appropriate boxes): ☐ On-Site ☐ Right-of-Way ☒ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) Monitoring ☒ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Method: <u>DPT</u>
If AG, list feet of riser above land surface:		Surface Casing Install Method: <u>NA</u>		
Borehole Depth (feet): <u>35</u>	Well Depth (feet): <u>35</u>	Borehole Diameter (inches): <u>3.25</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet
Riser Diameter and Material: <u>Sched. 40 PVC 1"</u>		Riser/Screen Connections: ☒ Flush-T Threaded ☐ Other (describe)	Riser Length: <u>25</u> feet from <u>0</u> feet to <u>25</u> feet	
Screen Diameter and Material: <u>Sched. 40 PVC 1"</u>		Screen Slot Size: <u>0.010"</u>	Screen Length: <u>10</u> feet from <u>25</u> feet to <u>35</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches): <u>3.25</u>	1 st Surface Casing Length: _____ feet from _____ feet to _____ feet <u>PHO</u>	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: <u>1</u> feet from _____ feet to _____ feet	
Filter Pack Material and Size: <u>20/60 silica sand</u>	Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: <u>12</u> feet from <u>23</u> feet to <u>35</u> feet	
Filter Pack Seal Material and Size: <u>30/65 Thick fine sand</u>			Filter Pack Seal Length: <u>2</u> feet from <u>21</u> feet to <u>23</u> feet	
Surface Seal Material: <u>portland concrete</u>			Surface Seal Length: <u>4</u> feet from <u>0</u> feet to <u>4</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: <u>2/14/23</u>	Well Development Method (check one): ☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)		
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)	Depth to Groundwater (before developing in feet): <u>NM</u>		
Pumping Rate (gallons per minute): <u>0.56</u>	Maximum Drawdown of Groundwater During Development (feet): <u>NM</u>	Well Purged Dry (check one): ☐ Yes ☒ No	
Pumping Condition (check one): ☒ Continuous ☐ Intermittent	Total Development Water Removed (gallons): <u>25</u>	Development Duration (minutes): <u>45</u>	Development Water Drummed (check one): ☒ Yes ☐ No
Water Appearance (color and odor) At Start of Development: <u>gray, turbid</u>		Water Appearance (color and odor) At End of Development: <u>gray, turbid</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS	
<u>2 bags of sand</u> <u>1355 begin developing; 1440 stop developing</u>	<u>2/15/23: redevelop</u> <u>1550 start; gray + turbid</u> <u>1630 stop; gray + turbid</u>

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <u>DEPMW-59</u>		Site Name: <u>Indian River State College</u>		FDEP Facility I.D. Number: <u>ERIC 7410</u>	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☒ Intermediate or Deep Monitoring Remediation or Other (describe)		Well Install Date(s): <u>2/15/23</u>	
If AG, list feet of riser above land surface:		Well Install Method: <u>Direct Push</u>		Surface Casing Install Method: <u>None</u>	
Borehole Depth (feet): <u>50</u>	Well Depth (feet): <u>50</u>	Borehole Diameter (inches): <u>3.25</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <u>sch 40 PVC 1"</u>		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: <u>40</u> feet from <u>0</u> feet to <u>14</u> feet	
Screen Diameter and Material: <u>sch 40 PVC 1"</u>		Screen Slot Size: <u>0.010</u>		Screen Length: <u>10</u> feet from <u>40</u> feet to <u>50</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: from _____ feet to _____ feet	
Filter Pack Material and Size: <u>20/30 Sand</u>		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: <u>10</u> feet from <u>40</u> feet to <u>50</u> feet	
Filter Pack Seal Material and Size: <u>Bentonite pellets</u>				Filter Pack Seal Length: <u>4</u> feet from <u>30</u> feet to <u>40</u> feet	
Surface Seal Material: <u>Portland cement</u>				Surface Seal Length: <u>30</u> feet from <u>0</u> feet to <u>30</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: <u>2/17/23</u>		Well Development Method (check one): ☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): <u>7.70</u>	
Pumping Rate (gallons per minute): <u>0.2</u>		Maximum Drawdown of Groundwater During Development (feet): <u>NM</u>	
Well Purged Dry (check one): ☐ Yes ☒ No			
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Development Duration (minutes): <u>25</u>	
Total Development Water Removed (gallons): <u>25</u>		Development Water Drummed (check one): ☒ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: <u>brown</u>		Water Appearance (color and odor) At End of Development: <u>clear</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS	
<u>1 bag 20/30 Sand</u> <u>0.5 bucket bentonite</u> <u>Begin developing @ 0930</u> <u>End developing @ 0955</u>	

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <u>DEPMw-60</u>		Site Name: <u>Indian River State College</u>		FDEP Facility I.D. Number: <u>ERIC_7410</u>	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☒ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): <u>2/15/23</u> Well Install Method: <u>direct push</u> Surface Casing Install Method: <u>None</u>	
If AG, list feet of riser above land surface:					
Borehole Depth (feet): <u>50</u>	Well Depth (feet): <u>50</u>	Borehole Diameter (inches): <u>3.25</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <u>sch 40 PVC 1"</u>		Riser/Screen Connections: ☒ Flush-T threaded ☐ Other (describe)		Riser Length: <u>40</u> feet from <u>0</u> feet to <u>40</u> feet	
Screen Diameter and Material: <u>sch 40 PVC 1"</u>		Screen Slot Size: <u>0.010</u>		Screen Length: <u>10</u> feet from <u>40</u> feet to <u>50</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: <u>20/30 SAND</u>		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: <u>10</u> feet from <u>40</u> feet to <u>50</u> feet	
Filter Pack Seal Material and Size: <u>Bentonite chips</u>				Filter Pack Seal Length: <u>24</u> feet from <u>36</u> feet to <u>40</u> feet	
Surface Seal Material: <u>Portland cement</u>				Surface Seal Length: <u>36</u> feet from <u>0</u> feet to <u>36</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: <u>2/17/23</u>		Well Development Method (check one): ☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☐ Submersible ☒ Centrifugal ☐ Peristaltic ☐ Other (describe)		Depth to Groundwater (before developing in feet): <u>8.90</u>	
Pumping Rate (gallons per minute): <u>0.2</u>		Maximum Drawdown of Groundwater During Development (feet): <u>NM</u>	
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Well Purged Dry (check one): ☐ Yes ☒ No	
Total Development Water Removed (gallons): <u>~5</u>		Development Duration (minutes): <u>25</u>	
Development Water Drummed (check one): ☒ Yes ☐ No			
Water Appearance (color and odor) At Start of Development: <u>gray</u>		Water Appearance (color and odor) At End of Development: <u>clear</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS	
<u>1 bag 20/30 sand</u> <u>begin developing @ 0819</u> <u>0.5 bucket bentonite pellets</u> <u>finish developing @ 0905</u>	

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <u>D6PMW-61</u>		Site Name: <u>Indian River State College</u>		FDEP Facility I.D. Number: <u>ERIC_7410</u>	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) Monitoring ☒ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): <u>2/16/23</u>	
If AG, list feet of riser above land surface:		Well Install Method: <u>DPT</u>		Surface Casing Install Method: <u>NA</u>	
Borehole Depth (feet): <u>50</u>	Well Depth (feet): <u>50</u>	Borehole Diameter (inches): <u>3.25</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <u>Sched. 40 PVC 1"</u>		Riser/Screen Connections: ☒ Flush-T threaded ☐ Other (describe)		Riser Length: <u>40</u> feet from <u>0</u> feet to <u>40</u> feet	
Screen Diameter and Material: <u>Sched. 40 PVC 1"</u>		Screen Slot Size: <u>0.010"</u>		Screen Length: <u>10</u> feet from <u>40</u> feet to <u>50</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: <u>20/30 silica sand</u>		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: <u>10</u> feet from <u>40</u> feet to <u>50</u> feet	
Filter Pack Seal Material and Size: <u>Bentonite pellets</u>				Filter Pack Seal Length: <u>4</u> feet from <u>36</u> feet to <u>40</u> feet	
Surface Seal Material: <u>Portland cement</u>				Surface Seal Length: <u>36</u> feet from <u>0</u> feet to <u>36</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: <u>2/16/23</u>		Well Development Method (check one): ☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☐ Submersible ☒ Centrifugal ☐ Peristaltic		Depth to Groundwater (before developing in feet): <u>8.52</u>	
Pumping Rate (gallons per minute): <u>0.26</u>		Maximum Drawdown of Groundwater During Development (feet): <u>NM</u>	
Well Purged Dry (check one): ☐ Yes ☒ No			
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Development Duration (minutes): <u>27</u>	
Total Development Water Removed (gallons): <u>7.0</u>		Development Water Drummed (check one): ☒ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: <u>light grey</u>		Water Appearance (color and odor) At End of Development: <u>clear</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS	
<u>1 bag of 20/30</u> <u>0.5 bucket bentonite</u> <u>1403 Start developing</u> <u>1430 Stop developing</u>	

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA

Well Number: <u>DEPMW-62</u>		Site Name: <u>Indian River State College</u>		FDEP Facility I.D. Number: <u>ERIC_7410</u>		Well Install Date(s): <u>2/20, 2/21/23</u>	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☐ Flush-to-Grade			Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) Monitoring ☒ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)			Well Install Method: <u>SC</u>	
						Surface Casing Install Method: <u>NA</u>	
If AG, list feet of riser above land surface:							
Borehole Depth (feet): <u>130</u>	Well Depth (feet): <u>130</u>	Borehole Diameter (inches): <u>6</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet			
Riser Diameter and Material: <u>2" sch 40 PVC</u>		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: <u>110</u> feet from <u>0</u> feet to <u>110</u> feet			
Screen Diameter and Material: <u>2" sch 40 PVC</u>		Screen Slot Size: <u>0.010"</u>		Screen Length: <u>20</u> feet from <u>110</u> feet to <u>130</u> feet			
1 st Surface Casing Material: <u>2" sch 40 PVC</u> also check: ☐ Permanent ☒ Temporary		1 st Surface Casing I.D. (inches): <u>8</u>		1 st Surface Casing Length: <u>20</u> feet from <u>110</u> feet to <u>130</u> feet			
2 nd Surface Casing Material: <u>2" sch 40 PVC</u> also check: ☐ Permanent ☒ Temporary		2 nd Surface Casing I.D. (inches): <u>8</u>		2 nd Surface Casing Length: <u>20</u> feet from <u>110</u> feet to <u>130</u> feet			
3 rd Surface Casing Material: <u>2" sch 40 PVC</u> also check: ☐ Permanent ☒ Temporary		3 rd Surface Casing I.D. (inches): <u>8</u>		3 rd Surface Casing Length: <u>20</u> feet from <u>110</u> feet to <u>130</u> feet			
Filter Pack Material and Size: <u>20/30 silica sand</u>		Prepacked Filter Around Screen (check one): ☐ Yes ☒ No		Filter Pack Length: <u>12</u> feet from <u>108</u> feet to <u>130</u> feet			
Filter Pack Seal Material and Size: <u>Pel Plug bentonite pellets</u>				Filter Pack Seal Length: <u>4</u> feet from <u>104</u> feet to <u>108</u> feet			
Surface Seal Material: <u>Type 1/11 Portland cement</u>				Surface Seal Length: <u>103.5</u> feet from <u>0.5</u> feet to <u>104</u> feet			

WELL DEVELOPMENT DATA

Well Development Date: <u>2/21/23</u>		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)					
Development Pump Type (check): ☒ Submersible ☐ Centrifugal ☐ Peristaltic ☐ Other (describe)			Depth to Groundwater (before developing in feet): <u>6.8</u>				
Pumping Rate (gallons per minute): <u>21</u>		Maximum Drawdown of Groundwater During Development (feet): <u>~3</u>			Well Purged Dry (check one): ☐ Yes ☒ No		
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Total Development Water Removed (gallons): <u>30</u>		Development Duration (minutes): <u>30</u>		Development Water Drummed (check one): ☒ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: <u>brown, cloudy</u>				Water Appearance (color and odor) At End of Development: <u>clear</u>			

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

start \$1050
1120

FIELD DRUM INVENTORY TRACKING LOG

Project Name: Indian River State College

[illegible]

Chain of Custody Record

Page 1 of 4

Project Name <u>IRSC</u>					# B O T T L E S	Analyses										Comments
Sampled by <u>2 Munger + G Mommers</u>			Module#			S-PFAS-MS2 W-PFAS-MS										
RQ# <u>2023-02-20-07</u>		Site Name <u>Indian River State College</u>														
Field ID	Matrix	Date	Time	Bottle Group												
SB-80 (0-0.5)	soil	2/13/23	1154	B	1	X										
SB-80 (0.5-2)	↓	↓	1156	↓	↓	X										
SB-80 (2-4)	↓	↓	1158	↓	↓	X										
SB-80 (5-7)	↓	↓	1200	↓	↓	X										
SB-80 (8-10)	↓	↓	1202	↓	↓	X										
SB-83 (0-0.5)	↓	↓	1220	↓	↓	X										
SB-83 (0.5-2)	↓	↓	1222	↓	↓	X										
SB-83 (2-4)	↓	↓	1224	↓	↓	X										
SB-83 (5-7)	↓	↓	1228	↓	↓	X										
SB-83 (8-10)	↓	↓	1230	↓	↓	X										
SB-81 (0-0.5)	↓	↓	1236	↓	↓	X										
SB-81 (0.5-2)	↓	↓	1238	↓	↓	X										
Relinquished by: <u>[Signature]</u>		Date/Time <u>2/20/23 1200</u>		Method of Dispatch <u>FedEx</u>		Received by:				Date/Time						
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time						
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time						

Remarks:

Preservative Sticker 1

Preservative Sticker 2

Preservative Sticker 3

Preservative Sticker 4

Chain of Custody Record

Page 2 of 4

Project Name <u>IRSC</u>					# B O T T L E S	Analyses										Comments
Sampled by <u>2 Munger + G Mommers</u>			Module#			S-PFAS-MS2 W-PFAS-MS										
RQ# <u>2023-02-20-07</u>		Site Name <u>Indian River State College</u>														
Field ID	Matrix	Date	Time	Bottle Group												
SB-81 (2-4)	soil	2/13/23	1240	B	1	X										
SB-81 (5-7)	↓	↓	1242	↓	↓	X										
SB-81 (8-10)	↓	↓	1244	↓	↓	X										
SB-82 (0-0.5)	↓	↓	1306	↓	↓	X										
SB-82 (0.5-2)	↓	↓	1308	↓	↓	X										
SB-82 (2-4)	↓	↓	1310	↓	↓	X										
SB-82 (5-7)	↓	↓	1312	↓	↓	X										
SB-82 (8-10)	↓	↓	1314	↓	↓	X										
EQB-64	water	↓	1314	D	2		X									
SB-79 (0-0.5)	soil	↓	1317	B	1	X										
SB-79 (0.5-2)	↓	↓	1319	↓	↓	X										
SB-79 (2-4)	↓	↓	1321	↓	↓	X										
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time						
<u>[Signature]</u>		<u>2/20/23 1200</u>		<u>FedEx</u>												
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time						
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time						

Remarks:

Preservative Sticker 1

Preservative Sticker 2

Preservative Sticker 3

Preservative Sticker 4

Chain of Custody Record

Page 3 of 4

Project Name <u>IRSC</u>					# B O T T L E S	Analyses										Comments
Sampled by <u>Z Munger + G Mommers</u>			Module#			S-PFAS-M52 W-PFAS-M5										
RQ# <u>2023-02-20-07</u>		Site Name <u>Indian River State College</u>														
Field ID	Matrix	Date	Time	Bottle Group												
SB-79 (S-7)	soil	2/13/23	1323	B	1	X										
SB-79 (8-10)	↓	↓	1325	↓	↓	X										
EQB-66	water	2/15/23	922	D	2		X									
EQB-67	↓	↓	1058	↓	↓		X									
ERB-22	↓	↓	1130	C	↓		X									
EQB-65	↓	↓	1221	D	↓		X									
SB-87 (0-0.5)	soil	↓	1238	B	1	X										
SB-87 (0.5-2)	↓	↓	1240	↓	↓	X										
SB-86 (0-0.5)	↓	↓	1242	↓	↓	X										
SB-84 (0-0.5)	↓	↓	1243	↓	↓	X										
SB-86 (0.5-2)	↓	↓	1244	↓	↓	X										
SB-84 (0.5-2)	↓	↓	1245	↓	↓	X										
Relinquished by: <u>[Signature]</u>		Date/Time <u>2/20/23 1200</u>		Method of Dispatch <u>Feel Ex</u>		Received by:					Date/Time					
Relinquished by:		Date/Time		Method of Dispatch		Received by:					Date/Time					
Relinquished by:		Date/Time		Method of Dispatch		Received by:					Date/Time					

Remarks:

Preservative Sticker 1

Preservative Sticker 2

Preservative Sticker 3

Preservative Sticker 4

Chain of Custody Record

Page 4 of 4

Project Name <u>IRSC</u>					# B O T T L E S	Analyses										Comments
Sampled by <u>ZMunger + G Mommers</u>			Module#			S-PFAS-MJ2 W-PFAS-MJ										
RQ# <u>2023-02-20-07</u>		Site Name <u>Indian River State College</u>														
Field ID	Matrix	Date	Time	Bottle Group												
<u>SB-85 (0-0.5)</u>	<u>soil</u>	<u>2/15/23</u>	<u>1246</u>	<u>B</u>	<u>1</u>	<u>X</u>										
<u>SB-85 (0.5-2)</u>	<u>↓</u>	<u>↓</u>	<u>1248</u>	<u>↓</u>	<u>↓</u>	<u>X</u>										
<u>SW-22</u>	<u>water</u>	<u>↓</u>	<u>1310</u>	<u>A</u>	<u>2</u>		<u>X</u>									
<u>SW-23</u>	<u>↓</u>	<u>↓</u>	<u>1318</u>	<u>↓</u>	<u>↓</u>		<u>X</u>									
<u>FRB-21</u>	<u>↓</u>	<u>↓</u>	<u>1322</u>	<u>C</u>	<u>↓</u>		<u>X</u>									
<u>SW-21</u>	<u>↓</u>	<u>↓</u>	<u>1330</u>	<u>A</u>	<u>↓</u>		<u>X</u>									
<u>SW-21 (Dup)</u>	<u>↓</u>	<u>↓</u>	<u>1335</u>	<u>↓</u>	<u>↓</u>		<u>X</u>									
<u>EQB-68</u>	<u>↓</u>	<u>2/16/23</u>	<u>1250</u>	<u>D</u>	<u>↓</u>		<u>X</u>									
Relinquished by: <u>[Signature]</u>		Date/Time <u>2/20/23 1200</u>		Method of Dispatch <u>FedEx</u>		Received by:				Date/Time						
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time						
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time						

Remarks:

Preservative Sticker 1

Preservative Sticker 2

Preservative Sticker 3

Preservative Sticker 4

Chain of Custody Record

Page 1 of 1

[illegible]

Generators Under 1

Preparation of the Polymer

Presented at Summer 3

Preservative Storage

Daily PFAS Sampling Checklist

Date: 2/27/23

Site Name: Indian River State College

Weather (temperature/precipitation): 80° / Dry

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☒ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☐ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☒ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☒ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☒ Clothing has not been recently laundered with a fabric softener
- ☒ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☒ Field crew has not used cosmetics, moisturizers, or other related products today
- ☒ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☒ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☒ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☒ No materials containing Teflon™, Viton™, or fluoropolymers
- ☒ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☒ No plastic clipboards, binders, or spiral hard cover notebooks
- ☒ No waterproof field books
- ☒ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☒ No chemical (blue) ice, unless it is contained in a sealed bag
- ☒ No aluminum foil
- ☒ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☒ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☒ "PFAS-free" water is on-site for decontamination of field equipment
- ☒ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- ☒ No food or drink on-site, except within staging area
- ☒ Food in staging area is contained in HDPE or stainless steel container

Notes:

No ^(Dry) over-boots PFAS-Free over-boots worn

Field Team Leader Name (Print): David Sizemore

Field Team Leader Signature: 

Date/Time: 2/27/23 800

Daily PFAS Sampling Checklist

Date: 2/28/23

Site Name: Indian River State College

Weather (temperature/precipitation): 85 / Dry

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☒ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☐ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☒ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☒ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☒ Clothing has not been recently laundered with a fabric softener
- ☒ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☒ Field crew has not used cosmetics, moisturizers, or other related products today
- ☒ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☒ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☒ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☒ No materials containing Teflon™, Viton™, or fluoropolymers
- ☒ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☒ No plastic clipboards, binders, or spiral hard cover notebooks
- ☒ No waterproof field books
- ☒ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☒ No chemical (blue) ice, unless it is contained in a sealed bag
- ☒ No aluminum foil
- ☒ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☒ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☒ "PFAS-free" water is on-site for decontamination of field equipment
- ☒ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- ☒ No food or drink on-site, except within staging area
- ☒ Food in staging area is contained in HDPE or stainless steel container

Notes:

NO PFAS-~~FREE~~ Free over-boots worn

Field Team-Leader Name (Print): David S. Lemore

Field Team Leader Signature: _____

Date/Time: 2/28/23 730

Daily PFAS Sampling Checklist

Date: 2/1/23

Site Name: David Sizemore

Weather (temperature/precipitation): _____

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☒ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☐ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☒ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☒ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☒ Clothing has not been recently laundered with a fabric softener
- ☒ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☒ Field crew has not used cosmetics, moisturizers, or other related products today
- ☒ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☒ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☒ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☒ No materials containing Teflon™, Viton™, or fluoropolymers
- ☒ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☒ No plastic clipboards, binders, or spiral hard cover notebooks
- ☒ No waterproof field books
- ☒ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☒ No chemical (blue) ice, unless it is contained in a sealed bag
- ☒ No aluminum foil
- ☒ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☒ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☒ "PFAS-free" water is on-site for decontamination of field equipment
- ☒ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- ☒ No food or drink on-site, except within staging area
- ☒ Food in staging area is contained in HDPE or stainless steel container

Notes:

NO PFAS - Free over-boots worn

Field Team Leader Name (Print):

David Sizmore

Field Team Leader Signature:



Date/Time:

3/1/23 715

Daily PFAS Sampling Checklist

Date: 3/2/23

Site Name: David Sizemore

Weather (temperature/precipitation): _____

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☒ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☐ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☒ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☒ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☒ Clothing has not been recently laundered with a fabric softener
- ☒ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☒ Field crew has not used cosmetics, moisturizers, or other related products today
- ☒ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☒ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☒ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☒ No materials containing Teflon™, Viton™, or fluoropolymers
- ☒ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☒ No plastic clipboards, binders, or spiral hard cover notebooks
- ☒ No waterproof field books
- ☒ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☒ No chemical (blue) ice, unless it is contained in a sealed bag
- ☒ No aluminum foil
- ☒ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☒ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☒ "PFAS-free" water is on-site for decontamination of field equipment
- ☒ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- ☒ No food or drink on-site, except within staging area
- ☒ Food in staging area is contained in HDPE or stainless steel container

Notes:

NO PFAS-free over-boots worn

Field Team Leader Name (Print): David Siemore

Field Team Leader Signature: 

Date/Time: 3/2/23 800

Daily PFAS Sampling Checklist

Date: 3/3/23

Site Name: David Sillmore

Weather (temperature/precipitation): 88 / dry

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☒ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☐ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☒ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☒ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☒ Clothing has not been recently laundered with a fabric softener
- ☒ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☒ Field crew has not used cosmetics, moisturizers, or other related products today
- ☒ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☒ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☒ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☒ No materials containing Teflon™, Viton™, or fluoropolymers
- ☒ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☒ No plastic clipboards, binders, or spiral hard cover notebooks
- ☒ No waterproof field books
- ☒ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☒ No chemical (blue) ice, unless it is contained in a sealed bag
- ☒ No aluminum foil
- ☒ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☒ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☒ "PFAS-free" water is on-site for decontamination of field equipment
- ☒ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- ☒ No food or drink on-site, except within staging area
- ☒ Food in staging area is contained in HDPE or stainless steel container

Notes:

NO PFAS-Fire over-boots worn.

Field Team Leader Name (Print):

David Simone

Field Team Leader Signature:

DS

Date/Time:

3/3/23 1030

WATER LEVEL MEASUREMENTS

Site Name: Indian River State College	Sampling Personnel: L. Haverlin, D. Sizemore
Location: Fort Pierce, FL	Field Conditions: Sunny 70° - 85°F
Project No: FR3598E	Date: 2/27/2023

Well ID	Time	Depth to Water (ft)	GW Elevation	Field Observations
DEPMW-1 (5-15')	1458	9.34		
DEPMW-2 (7-17')	1455	10.10		
DEPMW-3 (7-17')	1344	7.90	9.31	
DEPMW-4 (7-17')	1442	8.64		
DEPMW-5 (5-15')	1509	7.37		
DEPMW-6 (7-17')	1357	5.68	1401 / 7.01 (41)	Reversed on map (1357) 5.68
DEPMW-7 (5-15')	1508	8.70		
DEPMW-8 (7-17')	1339	11.59		
DEPMW-9 (7-17')	1356	7.49		
DEPMW-10 (5-15')	1351	7.35		
DEPMW-11 (5-15')	1353	6.39		
DEPMW-12 (5-15')	1334	8.79		
DEPMW-13 (40-50')	1459	8.50		
DEPMW-14 (40-50')	1349	9.37	7.90	Reversed on map
DEPMW-15 (40-50')	1441	8.89		
DEPMW-16 (40-50')	1400	6.58		
DEPMW-17 (40-50')	1337	9.37		
DEPMW-18 (38-48')	1352	7.54		
DEPMW-19 (40-50')	1333	8.40		
DEPMW-20 (7-17')	1317	9.62		
DEPMW-21 (7-17')	1535	6.97		
DEPMW-22 (7-17')	1539	7.92		
DEPMW-23 (7-17')	1434	7.51		
DEPMW-24 (7-17')	1515	7.41		
DEPMW-25 (7-17')	1449	9.62		
DEPMW-26 (7-17')	1452	12.38		
DEPMW-27 (7-17')	1446	12.90		

WATER LEVEL MEASUREMENTS

Site Name: Indian River State College Sampling Personnel: L. Haverlin, D. Sizemore
 Location: Fort Pierce, FL Field Conditions: SUNNY 70°F - 85°F
 Project No: FR3598E Date: 2/27/2023

Well ID	Time	Depth to Water (ft)	GW Elevation	Field Observations
DEPMW-28 (7-17')	1444	8.08		
DEPMW-29 (9-19')	1200	13.29		
DEPMW-30 (7-17')	1202	12.13		
DEPMW-31 (40-50')	1316	8.52		
DEPMW-32 (40-50')	1534	7.38		
DEPMW-33 (40-50')	1540	8.18		
DEPMW-34 (40-50')	1439	7.21		
DEPMW-35 (40-50')	1433	7.79		
DEPMW-36 (40-50')	1514	7.57		
DEPMW-37 (40-50')	1450	9.15		
DEPMW-38 (90-110')	1357	5.68	1401 / 7.01	Revised on map (LH)
DEPMW-39 (7-17')	1519	7.83		
DEPMW-40 (7-17')	1530	7.01		
DEPMW-41 (7-17')	1152	7.15		
DEPMW-42 (25-35')	1315	6.65		
DEPMW-43(40-50')	1520	8.38		
DEPMW-44 (40-50')	1151	7.49		
DEPMW-45 (120-140')	1521	9.94		
DEPMW-46 (120-140')	1449	8.77		
DEPMW-47 (120-140')	1403	5.89		

WATER LEVEL MEASUREMENTS

Site Name: Indian River State College

Sampling Personnel: L. Haverlin, D. Sizemore

Location: Fort Pierce, FL

Field Conditions: Sunny 70°F - 85°F

Project No: FR3598E

Date: 2/27/2023

Well ID	Time	Depth to Water (ft)	GW Elevation	Field Observations
DEPMW-48 (151-171')	1405	5.39		
DEPMW-49 (7-17')	1038	12.35		
DEPMW-50 (7-17')	1156	6.81		
DEPMW-51 (7-17')	1154	6.31		
DEPMW-52 (7-17')	1204	9.95		
DEPMW-53 (7-17')	1522	8.46		
DEPMW-54 (7-17')	1542	8.13		
DEPMW-55 (7-17')	1527	4.25		
DEPMW-56 (7-17')	1323	6.05		
DEPMW-57 (7-17')	1525	5.45		
DEPMW-58 (25-35')	1319	6.10		
DEPMW-59 (40-50')	1541	7.92		
DEPMW-60 (40-50')	1517	8.68		
DEPMW-61 (40-50')	1537	8.25		
DEPMW-62 (110-130')	1511	8.43		
SW-21				
SW-22				
SW-23				
SG-01		dry		
SG-02		0.81		

TABLE 1: SAMPLING WORK PLAN TABLE

Location ID	Sample ID	Depth Interval (ft BLS)	Sample Method	Date and Time	Comments
SB-87	SB-87 (0-0.5')	0-0.5	HA		
	SB-87 (0.5-2')	0.5-2			
Surface Water Samples					
SW-21	SW-21	N/A	Grab		
	SW-21 (DUP)				
SW-22	SW-22				
SW-23	SW-23				
Monitoring Well Samples					
DEPMW-1 (5-15')	DEPMW-1 (5-15')	5-15	Peristaltic Pump	3.2.23/1430	
DEPMW-2 (7-17')	DEPMW-2 (7-17')	7-17		3.2.23/1504	
	DEPMW-2 (7-17') (DUP)			3.2.23/1506	
DEPMW-3 (7-17')	DEPMW-3 (7-17')	7-17		2/27/23/1744	
DEPMW-4 (7-17')	DEPMW-4 (7-17')	7-17		3.2.23/1601	
DEPMW-5 (5-15')	DEPMW-5 (5-15')	5-15		3/2/23 1213	
DEPMW-6 (7-17')	DEPMW-6 (7-17')	7-17	Peristaltic Pump	3.2.23/1048	
DEPMW-7 (5-15')	DEPMW-7 (5-15')	5-15		3.2.23/0911	

TABLE 1: SAMPLING WORK PLAN TABLE

Location ID	Sample ID	Depth Interval (ft BLS)	Sample Method	Date and Time	Comments
DEPMW-8 (7-17')	DEPMW-8 (7-17')	7-17	Peristaltic Pump	3/2/23 1015	
	DEPMW-8 (7-17') (DUP)			3/2/23 1015	
DEPMW-9 (7-17')	DEPMW-9 (7-17')	7-17		3.2.23/1132	
DEPMW-10 (5-15)	DEPMW-10 (5-15)	5-15		3.2.23 1345	
DEPMW-11 (5-15')	DEPMW-11 (5-15')	5-15		3.3.23 1312	
DEPMW-12 (5-15')	DEPMW-12 (5-15')	5-15		3/2/23 925	
DEPMW-13 (40-50')	DEPMW-13 (40-50')	40-50		3.2.23/1407	
DEPMW-14 (40-50')	DEPMW-14 (40-50')	40-50		3.2.23 1136	
DEPMW-15 (40-50')	DEPMW-15 (40-50')	40-50		3.2.23/1530	
DEPMW-16 (40-50')	DEPMW-16 (40-50')	40-50		3.2.23/0957	
DEPMW-17 (40-50')	DEPMW-17 (40-50')	40-50		3/2/23 1052	
	DEPMW-17 (40-50') (DUP)			3.2.23 1052	
DEPMW-18 (38-48')	DEPMW-18 (38-48')	38-48		3.2.23 1426	
DEPMW-19 (40-50')	DEPMW-19 (40-50')	40-50		3.2.23 845	
DEPMW-20 (7-17')	DEPMW-20 (7-17')	7-17		3.3.23/1105	FRB @ 1120
DEPMW-21 (7-17')	DEPMW-21 (7-17')	7-17		3.1.23/0849	

TABLE 1: SAMPLING WORK PLAN TABLE

Location ID	Sample ID	Depth Interval (ft BLS)	Sample Method	Date and Time	Comments
DEPMW-22 (7-17')	DEPMW-22 (7-17')	7-17	Peristaltic Pump	3.1.23/1145	
DEPMW-23 (7-17')	DEPMW-23 (7-17')	7-17		3.2.23-1544	
DEPMW-24 (7-17')	DEPMW-24 (7-17')	7-17		3.3.23/1230	
DEPMW-25 (7-17')	DEPMW-25 (7-17')	7-17		3.1.23/1446	
DEPMW-26 (7-17')	DEPMW-26 (7-17')	7-17		3.3.23/1237	
DEPMW-27 (7-17')	DEPMW-27 (7-17')	7-17		3.3.23/1132	
DEPMW-28 (7-17')	DEPMW-28 (7-17')	7-17		3.3.23/1035	
DEPMW-29 (9-19')	DEPMW-29 (9-19')	9-19		2.28.23/1149	
DEPMW-30 (7-17')	DEPMW-30 (7-17')	7-17		2.28.23/1228	
DEPMW-31 (40-50')	DEPMW-31 (40-50')	40-50		3/3/2023/1007	MS/MSD
DEPMW-32 (40-50')	DEPMW-32 (40-50')	40-50		3.1.23/0917	
DEPMW-33 (40-50')	DEPMW-33 (40-50')	40-50		3.1.23/1045	
DEPMW-34 (40-50')	DEPMW-34 (40-50')	40-50		3.3.23/1337	
DEPMW-35 (40-50')	DEPMW-35 (40-50')	40-50		3.2.23/1030	
DEPMW-36 (40-50')	DEPMW-36 (40-50')	40-50		3.3.23/1301	
	DEPMW-36 (40-50') (DUP)			3.3.23/1303	

TABLE 1: SAMPLING WORK PLAN TABLE

Location ID	Sample ID	Depth Interval (ft BLS)	Sample Method	Date and Time	Comments
DEPMW-37 (40-50')	DEPMW-37 (40-50')	40-50	Peristaltic Pump	3.1.23/1551	
DEPMW-38 (90-110')	DEPMW-38 (90-110')	90-110	Electric Submersible	2.28.23/1110	
DEPMW-39 (7-17')	DEPMW-39 (7-17')	7-17	Peristaltic Pump	3.1.23/1155	
DEPMW-40 (7-17')	DEPMW-40 (7-17')	7-17		2.28.23/1451	
DEPMW-41 (7-17')	DEPMW-41 (7-17')	7-17		2.28.23/0955	
DEPMW-42 (25-35')	DEPMW-42 (25-35')	25-35		3.1.23/1441	
DEPMW-43 (40-50')	DEPMW-43 (40-50')	40-50		3.1.23/1243	
DEPMW-44 (40-50')	DEPMW-44 (40-50')	40-50		2.28.23/0911	
DEPMW-45 (120-140')	DEPMW-45 (120-140')	120-140		Electric Submersible	2.28.23/1315
DEPMW-46 (120-140')	DEPMW-46 (120-140')	120-140	2.28.23/1546		
DEPMW-47 (120-140')	DEPMW-47 (120-140')	120-140	2.28.23/0937		
DEPMW-48 (151-171)	DEPMW-48 (151-171)	151-171	2.27.23/1744		
DEPMW-49 (7-17)	DEPMW-49 (7-17)	7-17	Peristaltic Pump	3.1.23/849	
DEPMW-50 (7-17)	DEPMW-50 (7-17)	7-17		2.28.23/1109	
DEPMW-51 (7-17)	DEPMW-51 (7-17)	7-17		2.28.23/1032	
	DEPMW-51 (7-17) (DUP)			2.28.23/1034	

TABLE 1: SAMPLING WORK PLAN TABLE

Location ID	Sample ID	Depth Interval (ft BLS)	Sample Method	Date and Time	Comments
DEPMW-52 (7-17)	DEPMW-52 (7-17)	7-17	Peristaltic Pump	2.28.23/1302	
DEPMW-53 (7-17)	DEPMW-53 (7-17)	7-17		2.1.23/1336	
DEPMW-54 (7-17)	DEPMW-54 (7-17)	7-17		3.1.23/1220	
DEPMW-55 (7-17)	DEPMW-55 (7-17)	7-17		3.2.23/1324	
DEPMW-56 (7-17)	DEPMW-56 (7-17)	7-17		2.28.23/1527	
DEPMW-57 (7-17)	DEPMW-57 (7-17)	7-17		3.1.23/1532	
DEPMW-58 (25-35)	DEPMW-58 (25-35)	25-35		2.28.23/1624	
DEPMW-59 (40-50)	DEPMW-59 (40-50)	40-50		3.1.23/1253	
DEPMW-60 (40-50)	DEPMW-60 (40-50)	40-50		3.1.23/1051	
	DEPMW-60 (40-50) (DUP)			3.1.23/1051	
DEPMW-61 (40-50)	DEPMW-61 (40-50)	40-50		3.1.23/1008	
DEPMW-62 (110-130)	DEPMW-62 (110-130)	160-180	Electric Submersible	2.28.23/1925	
QA/QC Samples					
Activity	Sample ID	Equipment Sampled	Date and Time	Comments	
Soil Sampling	EQB-64	HA		Sample collected before: Sample collected after: Bottle number:	

TABLE 1: SAMPLING WORK PLAN TABLE

Location ID	Sample ID	Depth Interval (ft BLS)	Sample Method	Date and Time	Comments
Soil Sampling	EQB-65	N/A			Sample collected before: Sample collected after: Bottle number:
Monitoring Well Installation	EQB-66	Peristaltic Pump			Sample collected before: Sample collected after: Bottle number:
	EQB-67				Sample collected before: Sample collected after: Bottle number:
	EQB-68				Sample collected before: Sample collected after: Bottle number:
	EQB-69				Sample collected before: Sample collected after: Bottle number:
Group D Monitoring Well Sampling	EQB-70	Peristaltic Pump		2-27-23 1558	Sample collected before: NA Sample collected after: DEPMW-48 Bottle number: 00084836
	EQB-71			3/2/23 0824	Sample collected before: Sample collected after: DEPMW-19 Bottle number: 00080514
	EQB-72			3-2-2023 1635	Sample collected before: DEPMW-4(7-17) Sample collected after: NA @ Bottle number: 00084836 00080514
Soil Sampling	FRB-21	N/A			Sample location and field activity:
Decontamination	FRB-22				Sample location and field activity:
Monitoring Well Sampling	FRB-23			3-3-2023 1120	Sample location and field activity: Mw sampling @ DEPMW-20

Water Quality Instrument Calibration Form

Project #: FR3598E

Field Personnel: D. Sizemore

Water Quality Meter - Model/Serial#: YSI 556 15103560

Turbidimeter - Model/Serial#: Hach 2100Q / 1506041572

Dissolved Oxygen (FDEP SOP FT 1500)	Date	Time	Temp (°C)	Saturation (mg/L)*	Reading (mg/L)	Reading (%)	Pass or Fail
Acceptance Criteria: +/- 0.3 mg/L							
CAL ICV CCV	2/27/23	7:11	19.0	9.276	9.30	101.0	P F
CAL ICV CCV	"	2000	18.9	9.295	9.24	95.8	P F
CAL ICV CCV							P F
CAL ICV CCV							P F

Specific Conductance (FDEP SOP FT 1200)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mS/cm)	Reading (mS/cm)	Pass or Fail
Acceptance Criteria: +/- 5%							
Specific Conductance Probe Cleaned?	Yes	No					
CAL ICV CCV	2/27/23	7:12	GA068	2024-10	1.413	1.431	P F
CAL ICV CCV	"	2002	↓	↓	1.430	1.450	P F
CAL ICV CCV							P F
CAL ICV CCV							P F

pH (FDEP SOP FT 1100)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (SU)	Reading (SU)	Pass or Fail
Acceptance Criteria: +/- 0.2 SU							
CAL ICV CCV	2/27/23	7:15	2029192	2024-09	4	4.02	P F
CAL ICV CCV	↓	7:19	36A068	2024-01	7	7.07	P F
CAL ICV CCV	↓	7:25	36A296	2024-09	10	10.0	P F
CAL ICV CCV	2/27/23	2005	SAME	SAME	4.05	4.05	P F
CAL ICV CCV	↓	2007			7.11	7.11	P F
CAL ICV CCV	↓	2008			10.09	10.09	P F

ORP (FDEP SOP N/A)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mV @ Temp °C)	Reading (mV)	Pass or Fail
Geosyntec Acceptance Criteria: +/- 5%							
Dissolved Oxygen Membrane Changed?	Yes	No					
CAL ICV CCV	2/27/23	8:00	261755	2023-6	240.25	241.7	P F
CAL ICV CCV	"	2009			247.1	247.1	P F
CAL ICV CCV							P F
CAL ICV CCV							P F

Turbidity 0.1-10 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 10%				
CAL ICV CCV	2/27/23	10	9.8	P F
CAL ICV CCV	"	"	10.1	P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity 11-40 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 8%				
CAL ICV CCV	2/27/23	20	21.2	P F
CAL ICV CCV	"	"	19.8	P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity 41-100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 6.5%				
CAL ICV CCV	2/27/23	100	99.5	P F
CAL ICV CCV	"	"	105.0	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity >100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 5%				
CAL ICV CCV	2/27/23	800	805	P F
CAL ICV CCV	"	"	799	P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Notes:

CAL = Initial Calibration

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* See Table FS 2200-2 on the back of this form

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings < 0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Water Quality Instrument Calibration Form

Project/Site: Indian River State College

Project #: FR3598E

Field Personnel: Leighanne Haverlin

Water Quality Meter - Model/Serial#: YSI 556 MPS / 11J102429

Turbidimeter - Model/Serial#: Hach 2100A / 20080000210

Dissolved Oxygen (FDEP SOP FT 1500)	Date	Time	Temp (°C)	Saturation (mg/L)*	Reading (mg/L)	Reading (%)	Pass or Fail
			22.88	8.611	Acceptance Criteria: +/- 0.3 mg/L		
CAL ICV CCV	2-28-23	0830	21.30	8.863	8.42	97.8	P F
CAL ICV CCV	2-28-23	1728	25.1	8.248	8.45	102.5	P F
CAL ICV CCV							P F
CAL ICV CCV							P F

Specific Conductance (FDEP SOP FT 1200)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mS/cm)	Reading (mS/cm)	Pass or Fail
Specific Conductance Probe Cleaned? Yes ☒ No							
					Acceptance Criteria: +/- 5%		
CAL ICV CCV	2-28-23	0832	36A068	2025-01	1.413	1.443	P F
CAL ICV CCV	2-28-23	1715	36A068	2025-01	1.413	1.445	P F
CAL ICV CCV							P F
CAL ICV CCV							P F

pH (FDEP SOP FT 1100)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (SU)	Reading (SU)	Pass or Fail
					Acceptance Criteria: +/- 0.2 SU		
CAL ICV CCV	2-28-23	0834	261592	2024-09	4	4.18	P F
CAL ICV CCV	2-28-23	0835	36A068	2025-01	7	7.19	P F
CAL ICV CCV	2-28-23	0836	26J290	2024-10	10	9.95	P F
CAL ICV CCV	2-28-23	1709	261592	2024-09	4	4.19	P F
CAL ICV CCV	2-28-23	1711	36A068	2025-01	7	7.08	P F
CAL ICV CCV	2-28-23	1714	26J290	2024-10	10	9.88	P F

ORP (FDEP SOP N/A)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mV @ Temp °C)	Reading (mV)	Pass or Fail
Dissolved Oxygen Membrane Changed? Yes ☒ No							
					Geosyntec Acceptance Criteria: +/- 5%		
CAL ICV CCV	2-28-23	0837	261755	2023-06	235.8 @ 21.34	238.7	P F
CAL ICV CCV	2-28-23	1716	261755	2023-06	222.6 @ 30.70	225.3	P F
CAL ICV CCV							P F
CAL ICV CCV							P F

Turbidity 0.1-10 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 10%				
CAL ICV CCV	2-28-23	10	11.0	P F
CAL ICV CCV	2-28-23	10	9.45	P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity 11-40 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 8%				
CAL ICV CCV	2-28-23	20	19.4	P F
CAL ICV CCV	2-28-23	20	20.9	P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity 41-100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 6.5%				
CAL ICV CCV	2-28-23	100	105	P F
CAL ICV CCV	2-28-23	100	103	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity >100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 5%				
CAL ICV CCV	2-28-23	800	806	P F
CAL ICV CCV	2-28-23	800	819	P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Notes:

CAL = Initial Calibration

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* See Table FS 2200-2 on the back of this form

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Water Quality Instrument Calibration Form

Project #: FR3598E

Field Personnel: D. Sizemore

Project/Site: Indian River State College

Water Quality Meter - Model/Serial#: YSI 556 15103560

Turbidimeter - Model/Serial#: Hach 2100Q / 1506041572

Dissolved Oxygen (FDEP SOP FT 1500)	Date	Time	Temp (°C)	Saturation (mg/L)*	Reading (mg/L)	Reading (%)	Pass or Fail
Acceptance Criteria: +/- 0.3 mg/L							
CAL ICV CCV	2/28/23	7:10	21.0	100	9.09	1031	P F
CAL ICV CCV					10.00		P F
CAL ICV CCV	"	7:25	21	19.8	9.12	1001	P F
CAL ICV CCV					9.05		P F
CAL ICV CCV							P F
Specific Conductance (FDEP SOP FT 1200)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mS/cm)	Reading (mS/cm)	Pass or Fail
Acceptance Criteria: +/- 5%							
Specific Conductance Probe Cleaned? Yes No							
CAL ICV CCV	2/28/23	7:11	GA068	2024-10	1.413	1.425	P F
CAL ICV CCV	2/28/23	7:14	1930	11	"	1.419	P F
CAL ICV CCV							P F
CAL ICV CCV							P F
pH (FDEP SOP FT 1100)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (SU)	Reading (SU)	Pass or Fail
Acceptance Criteria: +/- 0.2 SU							
CAL ICV CCV	2/28/23	7:14	20291592	2024-09	4	4.01	P F
CAL ICV CCV		7:17	36A068	2024-01	7	7.13	P F
CAL ICV CCV		7:20	36A296	2024-09	10	10.17	P F
CAL ICV CCV	2/28/23	1930			4	4.19	P F
CAL ICV CCV					7	7.13	P F
CAL ICV CCV		19:40			10	10.02	P F
CAL ICV CCV		19:45					P F
ORP (FDEP SOP N/A)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mV @ Temp °C)	Reading (mV)	Pass or Fail
Dissolved Oxygen Membrane Changed? Yes No							
CAL ICV CCV	2/28/23	7:22	261755	2023-6	240025	2531	P F
CAL ICV CCV	"	19:50			"	249	P F
CAL ICV CCV							P F
CAL ICV CCV							P F

Turbidity 0.1-10 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 10%				
CAL ICV CCV	2/28/23	10	11.0	P F
CAL ICV CCV	"	"	9.4	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity 11-40 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 8%				
CAL ICV CCV	2/28/23	20	2.3	P F
CAL ICV CCV	"	"	20.0	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity 41-100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 6.5%				
CAL ICV CCV	2/28/23	100	89	P F
CAL ICV CCV	"	"	97	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity >100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 5%				
CAL ICV CCV	2/28/23	800	785	P F
CAL ICV CCV	"	"	809	P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Notes:

CAL = Initial Calibration

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* See Table FS 2200-2 on the back of this form

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Water Quality Instrument Calibration Form

Project/Site: Indian River State College

Project #: FR3598E

Field Personnel: Leighanne Havelin

Water Quality Meter - Model/Serial#: 451 556 MPS / 113102429

Turbidimeter - Model/Serial#: Hach 2100G / 206808 000 210

Dissolved Oxygen (FDEP SOP FT 1500)	Date	Time	Temp (°C)	Saturation (mg/L)*	Reading (mg/L)	Reading (%)	Pass or Fail
Acceptance Criteria: +/- 0.3 mg/L							
CAL ICV CCV	3-1-23	0800	20.7	8.968	9.14	101.9	P F
CAL ICV CCV	3-1-23	1610	26.21	8.804	8.61	106.5	P F
CAL ICV CCV							P F
CAL ICV CCV							P F
Specific Conductance (FDEP SOP FT 1200)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mS/cm)	Reading (mS/cm)	Pass or Fail
Specific Conductance Probe Cleaned? Yes ☒ No ☐ Acceptance Criteria: +/- 5%							
CAL ICV CCV	3-1-23	0808	36A068	2025-01	1.413	1.417	P F
CAL ICV CCV	3-1-23	1608	36A068	2025-01	1.413	1.443	P F
CAL ICV CCV							P F
CAL ICV CCV							P F
pH (FDEP SOP FT 1100)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (SU)	Reading (SU)	Pass or Fail
Acceptance Criteria: +/- 0.2 SU							
CAL ICV CCV	3-1-23	0804	261592	2024-09	4	4.16	P F
CAL ICV CCV	3-1-23	0805	36A068	2025-01	7	7.14	P F
CAL ICV CCV	3-1-23	0806	26J290	2024-10	10	9.87	P F
CAL ICV CCV	3-1-23	1600	261592	2024-09	4	4.19	P F
CAL ICV CCV	3-1-23	1602	36A068	2025-01	7	6.91	P F
CAL ICV CCV	3-1-23	1604	26J290	2024-10	10	9.83	P F
ORP (FDEP SOP N/A)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mV @ Temp °C)	Reading (mV)	Pass or Fail
Dissolved Oxygen Membrane Changed? Yes ☒ No ☐ Geosyntec Acceptance Criteria: +/- 5%							
CAL ICV CCV	3-1-23	0802	261755	2023-06	236.1 @ 21.1	246.5	P F
CAL ICV CCV	3-1-23	1606	261755	2023-06	229.1 @ 26.50	239.8	P F
CAL ICV CCV	3-1-23						P F
CAL ICV CCV							P F

Turbidity 0.1-10 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 10%				
CAL ICV CCV	3-1-23	10	9.25	P F
CAL ICV CCV	3-1-23	10	11.0	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity 11-40 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 8%				
CAL ICV CCV	3-1-23	20	18.9	P F
CAL ICV CCV	3-1-23	20	19.7	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity 41-100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 6.5%				
CAL ICV CCV	3-1-23	100	103	P F
CAL ICV CCV	3-1-23	100	99.2	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity >100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 5%				
CAL ICV CCV	3-1-23	800	817	P F
CAL ICV CCV	3-1-23	800	802	P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Notes:

CAL = Initial Calibration

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* See Table FS 2200-2 on the back of this form

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Water Quality Instrument Calibration Form

Project #: FR3598E

Field Personnel: D. Sizemore

Project/Site: Indian River State College

Water Quality Meter - Model/Serial#: YSI 556 15C103560

Turbidimeter - Model/Serial#: Hach 2100Q / 1506041572

Dissolved Oxygen (FDEP SOP FT 1500)	Date	Time	Temp (°C)	Saturation (mg/L)*	Reading (mg/L)	Reading (%)	Pass or Fail
Acceptance Criteria: +/- 0.3 mg/L							
CAL ICV CCV	3/1/23	0700	17.8	9.51	9.60	104	P F
CAL ICV CCV	"	1930	20.7	8.968	8.97	8.79	P F
CAL ICV CCV						103	P F
CAL ICV CCV							P F
CAL ICV CCV							P F
Specific Conductance (FDEP SOP FT 1200)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mS/cm)	Reading (mS/cm)	Pass or Fail
Acceptance Criteria: +/- 5%							
Specific Conductance Probe Cleaned? Yes <u>No</u>							
CAL ICV CCV	3/1/23	0721	GA068	2024-10	1.413	1.425	P F
CAL ICV CCV	"	1935	"	"	"	1.419	P F
CAL ICV CCV							P F
CAL ICV CCV							P F
CAL ICV CCV							P F
pH (FDEP SOP FT 1100)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (SU)	Reading (SU)	Pass or Fail
Acceptance Criteria: +/- 0.2 SU							
CAL ICV CCV	3/1/23	723	2029192	2024-09	4	4.05	P F
CAL ICV CCV	"	726	3GA068	2024-01	7	7.06	P F
CAL ICV CCV	"	729	3GA296	2024-09	10	10.09	P F
CAL ICV CCV	3/1/23	1936				4.05	P F
CAL ICV CCV	"	1937				7.17	P F
CAL ICV CCV	"	1938				10.05	P F
S + AMF							
ORP (FDEP SOP N/A)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mV @ Temp °C)	Reading (mV)	Pass or Fail
Geosyntec Acceptance Criteria: +/- 5%							
Dissolved Oxygen Membrane Changed? Yes <u>No</u>							
CAL ICV CCV	3/1/23	730	261755	2023-6	240025	246.2	P F
CAL ICV CCV	"	1940	"	"	"	250.0	P F
CAL ICV CCV							P F
CAL ICV CCV							P F

Turbidity 0.1-10 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 10%				
CAL ICV CCV	3/1/23	10	12.0	P F
CAL ICV CCV	"	"	11.0	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity 11-40 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 8%				
CAL ICV CCV	3/21/23	20	19.9	P F
CAL ICV CCV	"	"	19.4	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity 41-100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 6.5%				
CAL ICV CCV	3/1/23	100	87	P F
CAL ICV CCV	2/1/23	100	89	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity >100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 5%				
CAL ICV CCV	3/1/23	800	821	P F
CAL ICV CCV	"	"	799	P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Notes:

CAL = Initial Calibration

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* See Table FS 2200-2 on the back of this form

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings < 0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Water Quality Instrument Calibration Form

Project/Site: Indian River State College

Project #: FR3598E

Field Personnel: Leighanne Haverlin

Water Quality Meter - Model/Serial#: YSI 556 MPS / 115102429

Turbidimeter - Model/Serial#: Hach 2100Q / 20080C000210

Dissolved Oxygen (FDEP SOP FT 1500)	Date	Time	Temp (°C)	Saturation (mg/L)*	Reading (mg/L)	Reading (%)	Pass or Fail
Acceptance Criteria: +/- 0.3 mg/L							
CAL ICV CCV	3.2.23	0835	23.60	8.482	8.55	100.8	(P) F
CAL ICV CCV	3.2.23	1650	23.33	8.530	8.79	103.11	(P) F
CAL ICV CCV							P F
CAL ICV CCV							P F

Specific Conductance (FDEP SOP FT 1200)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mS/cm)	Reading (mS/cm)	Pass or Fail
Specific Conductance Probe Cleaned? Yes <u>No</u>							
Acceptance Criteria: +/- 5%							
CAL ICV CCV	3.2.23	0842	36A068	2025-01	1.413	1.420	(P) F
CAL ICV CCV	3.2.23	1652	36A068	2025-01	1.413	1.403	(P) F
CAL ICV CCV							P F
CAL ICV CCV							P F

pH (FDEP SOP FT 1100)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (SU)	Reading (SU)	Pass or Fail
Acceptance Criteria: +/- 0.2 SU							
CAL ICV CCV	3.2.23	0836	261592	2024-09	4	4.20	(P) F
CAL ICV CCV	3.2.23	0838	36A068	2025-01	7	6.80	(P) F
CAL ICV CCV	3.2.23	0840	26J290	2024-10	10	9.83	(P) F
CAL ICV CCV	3.2.23	1654	261592	2024-09	4	4.08	(P) F
CAL ICV CCV	3.2.23	1656	36A068	2025-01	7	6.97	(P) F
CAL ICV CCV	3.2.23	1658	26J290	2024-10	10	9.93	(P) F

ORP (FDEP SOP N/A)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mV @ Temp °C)	Reading (mV)	Pass or Fail
Dissolved Oxygen Membrane Changed? Yes <u>No</u>							
Geosyntec Acceptance Criteria: +/- 5%							
CAL ICV CCV	3.2.23	0844	261755	2023-06	234.5 @ 22.3°C	241.9	(P) F
CAL ICV CCV	3.2.23	1700	261755	2023-06	227.6 @ 27.60	237.5	(P) F
CAL ICV CCV							P F
CAL ICV CCV							P F

Turbidity 0.1-10 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 10%				
CAL ICV CCV	3.2.23	10	10.8	(P) F
CAL ICV CCV	3.2.23	10	10.9	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity 11-40 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 8%				
CAL ICV CCV	3.2.23	20	18.6	(P) F
CAL ICV CCV	3.2.23	20	21.7	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity 41-100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 6.5%				
CAL ICV CCV	3.2.23	100	99.7	(P) F
CAL ICV CCV	3.2.23	100	98.3	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity >100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 5%				
CAL ICV CCV	3.2.23	800	816	(P) F
CAL ICV CCV	3.2.23	800	767	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F

Notes:

CAL = Initial Calibration

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* See Table FS 2200-2 on the back of this form

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Water Quality Instrument Calibration Form

Project #: FR3598E

Field Personnel:

D. Sizemore

Project/Site: Indian River State College

Water Quality Meter - Model/Serial#: YSI 556 15C103560

Turbidimeter - Model/Serial#: Hach 2100Q / 1506041572

Dissolved Oxygen (FDEP SOP FT 1500)	Date	Time	Temp (°C)	Saturation (mg/L)*	Reading (mg/L)	Reading (%)	Pass or Fail
Acceptance Criteria: +/- 0.3 mg/L							
CAL ICV CCV	3/2/23	725	17.0	96.7	9.60	96.5	P F
CAL ICV CCV	"	2005	18.0	9.48	9.20	99.1	P F
CAL ICV CCV							P F
CAL ICV CCV							P F
Specific Conductance (FDEP SOP FT 1200)							
Date	Time	Standard Lot #	Standard Exp. Date	Standard (mS/cm)	Reading (mS/cm)	Pass or Fail	
Specific Conductance Probe Cleaned? Yes (No)							
CAL ICV CCV	3/2/23	725	GA068	2024-10	1.413	1.441	P F
CAL ICV CCV	"	2006	↓	↓	1.1	1.295	P F
CAL ICV CCV							P F
CAL ICV CCV							P F
pH (FDEP SOP FT 1100)							
Date	Time	Standard Lot #	Standard Exp. Date	Standard (SU)	Reading (SU)	Pass or Fail	
Acceptance Criteria: +/- 0.2 SU							
CAL ICV CCV	3/2/23	730	30291592	2024-09	4	4.09	P F
CAL ICV CCV	↓	733	36A068	2024-01	7	7.2	P F
CAL ICV CCV	↓	736	36A296	2024-09	10	10.08	P F
CAL ICV CCV	3/2/23	2009	SAME		4.01	4.01	P F
CAL ICV CCV	↓	2010			7.07	7.07	P F
CAL ICV CCV	↓	2011			10.19	10.19	P F
ORP (FDEP SOP N/A)							
Date	Time	Standard Lot #	Standard Exp. Date	Standard (mV @ Temp °C)	Reading (mV)	Pass or Fail	
Geosyntec Acceptance Criteria: +/- 5%							
CAL ICV CCV	3/2/23	745	261755	2023-6	240025	235.9	P F
CAL ICV CCV	3/2/23	2012	↓	↓	"	239.9	P F
CAL ICV CCV							P F
CAL ICV CCV							P F

Turbidity 0.1-10 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 10%				
CAL ICV CCV	3/2/23	10	8.2	P F
CAL ICV CCV	"	11	7.9	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity 11-40 NTU				
Acceptance Criteria: +/- 8%				
CAL ICV CCV	3/2/23	20	20.1	P F
CAL ICV CCV	"	"	18.9	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity 41-100 NTU				
Acceptance Criteria: +/- 6.5%				
CAL ICV CCV	3/2/23	100	109	P F
CAL ICV CCV	"	"	110	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity >100 NTU				
Acceptance Criteria: +/- 5%				
CAL ICV CCV	2/2/23	800	803	P F
CAL ICV CCV	"	"	809	P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Notes:

CAL = Initial Calibration

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* See Table FS 2200-2 on the back of this form

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Water Quality Instrument Calibration Form

Project/Site: Indian River State College

Project #: FR3598E

Field Personnel: Leighanne Haverlin

Water Quality Meter - Model/Serial#: YSI 556 MPS / 115102429

Turbidimeter - Model/Serial#: Hach 2100Q / 200806000210

Dissolved Oxygen (FDEP SOP FT 1500)	Date	Time	Temp (°C)	Saturation (mg/L)*	Reading (mg/L)	Reading (%)	Pass or Fail
Acceptance Criteria: +/- 0.3 mg/L							
CAL ICV CCV	3-3-23	0900	23.93	8.434	8.73	103.8	(P) F
CAL ICV CCV	3-3-23	1330	26.52	8.04	8.26	102.8	(P) F
CAL ICV CCV							P F
CAL ICV CCV							P F
Specific Conductance (FDEP SOP FT 1200)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mS/cm)	Reading (mS/cm)	Pass or Fail
Specific Conductance Probe Cleaned? Yes <u>No</u> Acceptance Criteria: +/- 5%							
CAL ICV CCV	3-3-23	0904	36A068	2025-01	1.413	1.403	(P) F
CAL ICV CCV	3-3-23	1318	36A068	2025-01	1.413	1.343	(P) F
CAL ICV CCV							P F
CAL ICV CCV							P F
pH (FDEP SOP FT 1100)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (SU)	Reading (SU)	Pass or Fail
Acceptance Criteria: +/- 0.2 SU							
CAL ICV CCV	3-3-23	0906	261592	2024-09	4	4.14	(P) F
CAL ICV CCV	3-3-23	0908	36A068	2025-01	7	6.90	(P) F
CAL ICV CCV	3-3-23	0910	26J290	2024-10	10	9.87	(P) F
CAL ICV CCV	3-3-23	1320	261592	2024-09	4	4.01	(P) F
CAL ICV CCV	3-3-23	1322	36A068	2025-01	7	6.98	(P) F
CAL ICV CCV	3-3-23	1324	26J290	2024-10	10	9.91	(P) F
ORP (FDEP SOP N/A)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mV @ Temp °C)	Reading (mV)	Pass or Fail
Dissolved Oxygen Membrane Changed? Yes <u>No</u> Geosyntec Acceptance Criteria: +/- 5%							
CAL ICV CCV	3-3-23	0912	261755	2023-06	233.2 @ 23.3	241.6	(P) F
CAL ICV CCV	3-3-23	1326	261755	2023-06	229.7 @ 26.0	239.1	(P) F
CAL ICV CCV							P F
CAL ICV CCV							P F

Turbidity 0.1-10 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 10%				
CAL ICV CCV	3-3-23	10	10.1	(P) F
CAL ICV CCV	3-3-23	10	10.9	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity 11-40 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 8%				
CAL ICV CCV	3-3-23	20	20.0	(P) F
CAL ICV CCV	3-3-23	20	19.6	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity 41-100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 6.5%				
CAL ICV CCV	3-3-23	100	99.6	(P) F
CAL ICV CCV	3-3-23	100	105	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
Turbidity >100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 5%				
CAL ICV CCV	3-3-23	800	791	(P) F
CAL ICV CCV	3-3-23	800	815	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F

Notes:

CAL = Initial Calibration

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* See Table FS 2200-2 on the back of this form

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Water Quality Instrument Calibration Form

Project/Site: Indian River State College

Project #: FR3598E

Field Personnel: D. Sizemore

Water Quality Meter - Model/Serial#: YSI 556 150103560

Turbidimeter - Model/Serial#: Hach 2100Q / 1506041572

Dissolved Oxygen (FDEP SOP FT 1500)	Date	Time	Temp (°C)	Saturation (mg/L)*	Reading (mg/L)	Reading (%)	Pass or Fail
Acceptance Criteria: +/- 0.3 mg/L							
CAL ICV CCV	3/3/23	1000	21.7	8.70	8.70	99.5	P F
CAL ICV CCV	3/3/23	1700	22.1	8.72	8.91	100.0	P F
CAL ICV CCV							P F
CAL ICV CCV							P F

Specific Conductance (FDEP SOP FT 1200)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mS/cm)	Reading (mS/cm)	Pass or Fail
Acceptance Criteria: +/- 5%							
Specific Conductance Probe Cleaned? Yes No							
CAL ICV CCV	3/3/23	1002	GAD68	2024-10	1.413	1427	P F
CAL ICV CCV	"	1703	"	"	"	1500	P F
CAL ICV CCV							P F
CAL ICV CCV							P F

pH (FDEP SOP FT 1100)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (SU)	Reading (SU)	Pass or Fail
Acceptance Criteria: +/- 0.2 SU							
CAL ICV CCV	3/3/23	1005	36A296	2024-09	4	4.00	P F
CAL ICV CCV	"	1010	36A068	2024-01	7	7.06	P F
CAL ICV CCV	"	1009	36A296	2024-09	10	10.10	P F
CAL ICV CCV	3/3/23	1705				4.11	P F
CAL ICV CCV	"	1706				7.12	P F
CAL ICV CCV	"	1707				10.09	P F

ORP (FDEP SOP N/A)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mV @ Temp °C)	Reading (mV)	Pass or Fail
Geosyntec Acceptance Criteria: +/- 5%							
Dissolved Oxygen Membrane Changed? Yes No							
CAL ICV CCV	3/3/23	1010	261755	2023-6	240.25	244.2	P F
CAL ICV CCV	"	1708	"	"	"	233.6	P F
CAL ICV CCV							P F
CAL ICV CCV							P F

Turbidity 0.1-10 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 10%				
CAL ICV CCV	3/3/23	10	9.8	P F
CAL ICV CCV	"	"	10.0	P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity 11-40 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 8%				
CAL ICV CCV	3/3/23	20	20.1	P F
CAL ICV CCV	"	"	23.0	P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity 41-100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 6.5%				
CAL ICV CCV	3/3/23	100	104	P F
CAL ICV CCV	"	"	97.5	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity >100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
Acceptance Criteria: +/- 5%				
CAL ICV CCV	3/3/23	800	825	P F
CAL ICV CCV	"	"	806	P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Notes:

CAL = Initial Calibration

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* See Table FS 2200-2 on the back of this form. If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed

GROUNDWATER SAMPLING LOG

SITE NAME: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
W. NO: DEPMW-1 (S-15)	SAMPLE ID: DEPMW-1 (S-15)	DATE: 3-2-2023	

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS:

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

MATERIAL CODES: AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, PP = Polypropylene, PS = Polystyrene, PV = Polyvinyl Chloride
SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1 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 #212, 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

W. NO:	DEPMW-2 (7-17)	SAMPLE ID:	DEPMW-2 (7-17)	DATE:	3.2.2023
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PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 10.11	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

(only fill out if applicable)

$$= (17 \text{ ft} - 10.11 \text{ ft}) \times 0.16 \text{ gallons/foot} = 1.10$$

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

(only fill out if applicable)

$$\text{gallons} = 0 \text{ gallons} + (\text{gallons/foot} \times \text{feet}) + 0.1 \text{ gallons}$$
[illegible]

FINAL PUMP OR TUBING	
----------------------	--

DEPTH IN WELL (feet):

DEPTH IN WELL (feet):

PURGING

INITIATED AT:

PURGING

ENDED AT

TOTAL VOLUME

PURGED (gallons)	
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[illegible]

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

SAMPLING DATA

[illegible]

REMARKS

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), VT = Vacuum Trap, 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:** $\pm 5\%$ **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

PURGING DATA				
WELL NUMBER: 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 909	PURGE PUMP TYPE OR BAILER: PP

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 13	DEPTH IN WELL (feet): 1300	INITIATED AT: 11/24	ENDED AT: 1157	PURGED (gallons): 17

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88									
TURNING INSIDE DIA. CAPACITY (Gallons Per Foot): 1.875" = 0.009; 2.125" = 0.014; 1/4" = 0.0035; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016									

PUMP OR TUBING DEPTH IN WELL (feet): 11	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: HDPE
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: µm Filtration Equipment Type:	DUPLICATE: Y (N)

REMARKS:

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 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mol/l or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

SITE NAME: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
V# NO: DEPMW-4 (7-17)		SAMPLE ID: DEPMW-4 (7-17) DATE: 3.2.2023	

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS: slowed purge rate to minimize drawdown

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

SAMPLING/PURGING		APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump	
EQUIPMENT CODES:		RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)	

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

NOTES: 1. The above do not constitute all of the information required by Chapter 52-100, 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)

EOB-72 1635

GROUNDWATER SAMPLING LOG

W. NO: DEPMW-5 (5-15)	SAMPLE ID: DEPMW-5(5-15)	DATE: 3.2.2023
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PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

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

NOTES: 1 The above do not constitute all of the information required by Chapter 62-100, F.A.C.
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

STABILIZATION CRITERIA: FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE TABLE FS 2200-2):
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: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
W. NO: DEPMW-6(7-17)	SAMPLE ID: DEPMW-6(7-17)	DATE: 3-2-2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 7.09	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
(only fill out if applicable)				
= (17 ft - 7.09 ft) X 0.16 gallons/foot = 1.59				

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 = _____

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 9	DEPTH IN WELL (feet): 9	INITIATED AT: 1047	ENDED AT: 1047	PURGED (gallons): 1.98

[illegible]

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

SAMPLING DATA

[illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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)

STABILIZATION CRITERIA: FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS SEE TABLE FS 2200-2;
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

V. NO:	DEPMW-7(5-15)	SAMPLE ID:	DEPMW-7(5-15)	DATE:	3.2.2023
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PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	5 feet to 15 feet	STATIC DEPTH TO WATER (feet):	8.85	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

(only fill out if applicable)

$\Rightarrow$ $\frac{1}{\sqrt{10}}$ $\frac{1}{\sqrt{10}}$ $\frac{1}{\sqrt{10}}$ $\frac{1}{\sqrt{10}}$ $\frac{1}{\sqrt{10}}$

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

(only fill out if applicable) $\frac{\text{gallons}}{\text{foot}} = \frac{\text{gallons}}{\text{foot}} \times \frac{\text{feet}}{\text{feet}} = \frac{\text{gallons} \times \text{feet}}{\text{foot} \times \text{feet}} = \frac{\text{gallons} \times \text{feet}}{\text{feet}}$

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
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INITIAL PUMP OR TUBING	10	FINAL PUMP OR TUBING	10	FORGING	0834	FORGING	0910	FORGE BEAMS	
				FINISHED AT		FINISHED AT		FINISHED (addless)	

DEPTH IN WELL (feet):	10	DEPTH IN WELL (feet):	1	INITIATED AT:	0001	ENDED AT:	0100	PURGED (gallons):	0
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[illegible]

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									
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WELL CAPACITY (Gallons Per Foot)									
TIRING INSIDE DIA. CAPACITY (Gal./Ft.)									
1/8" = 0.0006	3/16" = 0.0014	1/4" = 0.0025	5/16" = 0.004	3/8" = 0.006	1/2" = 0.010	5/8" = 0.016	3/4" = 0.025	7/8" = 0.035	1" = 0.050

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Leighanne Haverlin / Geosyntec	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 0911	SAMPLING ENDED AT: 0913
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PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (mL per minute): 341	TUBING MATERIAL CODE: HDPE
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FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: µm	DUPLICATE: Y (N)
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	Filtration Equipment Type:			
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[illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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: 50% RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE ES 2212 SECTION 3)

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)

WELL 2	TUBING 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 11.53	PURGE PUMP TYPE OR BAILER: ESP
DIAMETER (inches):				
DIAMETER (inches):				
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
(only fill out if applicable)				
= 17 ft - 11.53 ft X 1.6 gallons/foot = 9				

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 12	DEPTH IN WELL (feet): 12	INITIATED AT: 1002	ENDED AT: 1015	PURGED (gallons): 1.3

[illegible]

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
 PUMPING INSIDE DIA. CAPACITY (Gals/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

SAMPLING DATA

[illegible]

REMARKS:

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

NOTE: Blank space does not constitute all of the information required by Chapter 62-160, F.A.C.

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)

SITE NAME: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
W. NO: DEPMW-9(7-17)	SAMPLE ID: DEPMW-9(7-17)	DATE: 3.2.2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 7.55	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
(only fill out if applicable)				
= (17 ft - 7.55 ft) X 0.16 gallons/foot = 1.51				

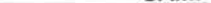
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) _____ = _____ gallons + (_____ gallons/foot X _____ feet) + _____ 0.1 gallons = _____

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet):	DEPTH IN WELL (feet):	INITIATED AT:	ENDED AT:	PURGED (gallons):
9	9	1110	1131	1.89

[illegible]

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Leighanne Haverlin / GeoSyntec		SAMPLER(S) SIGNATURES: 		SAMPLING INITIATED AT: 1132	SAMPLING ENDED AT: 1134
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PUMP OR TUBING DEPTH IN WELL (feet): 9	SAMPLE PUMP FLOW RATE (mL per minute): 341	TUBING MATERIAL CODE: HDPE
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FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: μm Filtration Equipment Type:	DUPLICATE: Y (N)
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SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED ANALYSIS	SAMPLING	SAMPLE PUMP FLOW
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SAMPLE ID	#	MATERIAL	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL Ph	INSTRUMENTS AND/OR METHOD	EQUIPMENT CODE	RATE (mL per min)
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CODE	CONTAINERS	CODE	VOLUME		(mL)					
PFAS-10	2	HDPF	125 ml	none	250	NM	PFAS-8321B	ADD	341	

[illegible][illegible][illegible][illegible]

REMARKS:									

REMARKS.

MATERIAL CODES:	AG = Amber Glass;	CG = Clear Glass;	PE = Polyethylene;	PP = Polypropylene;	S = Silicone;	T = Teflon;	O = Other (Specify)
SAMPLING/PURGING	APP = After Peristaltic Pump;	B = Bailer;	BP = Bladder Pump;	ESP = Electric Submersible Pump;	PP = Peristaltic Pump		

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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);
 total alkalinity: ± 2 mg/L or ± 40% (whichever is greater) **Turbidity**: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity, all readings ≤ 20 NTU, Sparsely ≤ 5 NTU or $\leq 10\%$ (whichever is greater),

SITE NAME: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
V. NO. DEPMW-10 (5-15)	SAMPLE ID: DEPMW-10 (5-15)	DATE: 3/2/13	

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 5 to 15 feet	STATIC DEPTH TO WATER (feet): 7.40	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (15 ft - 7.40 ft) X 0.16 gallons/foot = 1.2				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= 0 gallons + (0.0026 gallons/foot X 1325.9 feet) + 0.1 gallons = .37				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8	PURGING INITIATED AT: 1325.9	PURGING ENDED AT: 1345	TOTAL VOLUME PURGED (gallons): 20.17

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

[illegible]

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: $\pm 5\%$ Dissolved Oxygen: all readings $< 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings < 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

GROUNDWATER SAMPLING LOG

PURGING DATA									
WELL	2	TUBING	1/4	WELL SCREEN INTERVAL	DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER	(feet): 6.51	PURGE PUMP TYPE	OR BAILER: PP

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 7.5	DEPTH IN WELL (feet): 7.5	INITIATED AT: 1259	ENDED AT: 1312	PURGED (gallons): 1.3

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		

SAMPLING DATA			
SAMPLED BY (PRINT) / AFFILIATION: David Sizemore/Genshark	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 1312	SAMPLING ENDED AT: 1316

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT	SAMPLE PUMP FLOW RATE
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[illegible]

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 oC 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)

NO. <u>PRM-12 (5-15)</u>	SAMPLE ID. <u>PRM-12 (5-15)</u>	DATE: <u>3/2/23</u>
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PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 8.88	PURGE PUMP TYPE OR BAILER: 2000
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY

(only fill out if applicable) $\frac{15}{\text{ft}} \times \frac{8}{\text{ft}} \times \frac{11}{\text{ft}} =$ gallons/foot =

$$= \frac{1.5 \times 10^{-3} \text{ mol} \times 1000 \text{ cm}^3 \text{ mol}^{-1}}{1.0 \text{ mol} \times 1000 \text{ cm}^3 \text{ mol}^{-1}} = 0.0015 \text{ mol dm}^{-3}$$

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0 gallons + (0.0212 gallons/foot X 11 feet) + 0.1 gallons = .38

[illegible]

INITIAL PUMP OR TUBING	11	FINAL PUMP OR TUBING	2910	PURGING	975	PURGED (collapse)	0
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DEPTH IN WELL (feet):	DEPTH IN WELL (feet):	INITIATED AT:	ENDED AT:	FORGED (gaskets):
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[illegible]

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
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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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: David Sizemore/Gensura	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 925	SAMPLING ENDED AT: 931
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David J. Garcia		TURNO MATERIAL CODE: HDPE
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PUMP OR TUBING DEPTH IN WELL (feet):	11	SAMPLE PUMP FLOW RATE (mL per minute):		TUBING MATERIAL CODE: HDPE
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FIELD DECONTAMINATION:	Y	(N)	FIELD-FILTERED:	Y	(N)	FILTER SIZE:	µm	DUPLICATE:	Y	(N)
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Filtration Equipment Type:				
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SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	SAMPLING	SAMPLE
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SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED ANALYSIS	SAMPLING EQUIPMENT	PUMP FLOW
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SAMPLE ID	#	MATERIAL	TOTAL VOL. ADDED IN FIELD	EQUIP. USED	AND/OR METHOD	EQUIP. MEAS. CODE	RATE
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SAMPLE ID	#	MATERIAL	VOLUME	PRESERVATIVE USED	FORM VOLUME (mL)	FINAL Ph	-----	(mL per min)
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[illegible]

2	HDPE	125 mL	none	250	NM	PFAS - 6321B	AT	ELK
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[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump
O = Other (Specify)

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; U = Other (Specify)

NOTES: 1 The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. The above criteria for range of variation of at least three consecutive readings (see FS 2212 Section 3)

2. **STABILIZATION CRITERIA:** FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS: ± 0.2 units Temperature; ± 0.2 °C Specific Conductance; $\pm 5\%$ 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)

[illegible]

GROUNDWATER SAMPLING LOG

NO:	DEPMW-13 (40-50)	SAMPLE ID:	DEPMW-13 (40-50)	DATE:	3-2-2023
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PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: 40 feet to 50 feet	STATIC DEPTH TO WATER (feet): 8.55	PURGE PUMP TYPE OR BAILER:
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) _____ ft = _____ ft) X _____ gallons/foot = _____

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME										164 x 3	
(only fill out if applicable)	=	0	gallons + (	0026	gallons/foot X	15	feet) +	0.1 75	gallons	=	49

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 10	DEPTH IN WELL (feet): 10	INITIATED AT: 1357	ENDED AT: 1406	PURGED (gallons): 0.81

[illegible]

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
TURNING 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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Leighanne Haverlin / Geosyntec		SAMPLER(S) SIGNATURES: Leighanne Haverlin		SAMPLING INITIATED AT: 1407	SAMPLING ENDED AT: 1409
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PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (mL per minute): 341	TUBING MATERIAL CODE: HDPE
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FIELD DECONTAMINATION:	Y	(N)	FIELD FILTERED:	Y	(N)	FILTER SIZE:	µm	DATE/TIME:	1/1/2017	11:00
Filtration Equipment Type:										

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT	SAMPLE PUMP FLOW RATE

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL Ph	AND/OR METHOD	CODE	RATE (mL per min)
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DE PMW-13	2	HDPE	125 mL	none	250	NM	PFAS - 8321B	APC	541
(40-50)									

[illegible][illegible][illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

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

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)

2. **STABILIZATION CRITERIA:** **DO:** all readings ≥ 2.0 mg/L (see Table FS 2200-2);
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

PURGING DATA				
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 40 feet to 50 feet	STATIC DEPTH TO WATER (feet): 8.93	PURGE PUMP TYPE OR BAILER: pp

SAMPLING DATA

REMARKS:		DO is greater than 20% but stable	
MATERIAL CODES:		AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)	
SAMPLING/PURGING EQUIPMENT CODES:		APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump RFPD = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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 mA/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

PURGING DATA				
WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER
2	1 1/4 6.69 (LA)	40 50	6.69	PP

PURGING DATA

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

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 8	DEPTH IN WELL (feet): 8	INITIATED AT: 0950 (4)	ENDED AT: 0956	PURGED (gallons): 1.08

	(gallons)	(gallons)										
0950	0.54	0.54	0.09	6.72	6.34	24.02	256	3.30	0.43	CLPAR	166.3	—

0953	0.27	0.81	0.09	6.72	6.35	24.09	256	3.28	0.45	U19R	164.9	—
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[illegible][illegible][illegible][illegible][illegible]

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 (Gals/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											

SAMPLING DATA			
SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING	SAMPLING

SAMPLING DATA

PUMP OR TUBING DEPTH IN WELL (feet):	8	SAMPLE PUMP FLOW RATE (mL per minute):	341	TUBING MATERIAL CODE: HDPE
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FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N)	FILTER SIZE: µm	DATE/TIME: 1/1/2018 1:00 PM
Filtration Equipment Type:			
SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION		SAMPLE

CODE	CONTAINERS	CODE	VOLUME	DESCRIPTION	(mL)				
DEPMW 16	2	HDPE	125 mL	none	250	NM	PFAS - 8321B	APP	341

[illegible][illegible][illegible]

REMARKS: Do is pretty good 70% but stable within 0.2 mol

MATERIAL CODES:	AG = Amber Glass;	CG = Clear Glass;	PE = Polyethylene;	PP = Polypropylene;	S = Silicone;	T = Teflon;
SAMPLING/PURGING	APP = After Peristaltic Pump;	B = Bailor;	BP = Bladder Pump;	ESP = Electric Submersible Pump;	PF	
EQUIPMENT CODES:	RFP = Reverse Flow Peristaltic Pump;	SM = Straw Method (Tubing Gravity Drain);	VT = Vacuum Trap;			

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 10.0)
pH: ± 0.2 units Temperature: ± 0.2 C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $> 20\%$ saturation (see Tab

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

NO.	DFPMW-17 (40-50)	SAMPLE ID:	DFPMW-17 (40-50)	DATE:	3/2/23
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PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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)

STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2200-2):

pH: + 0.2 units Temperature: + 0.5°C Specific Conductance: + 5% Dissolved Oxygen: all readings + 20% saturation (or + 2.0 mg/L, whichever is greater) optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

PURGING DATA	
WELL	

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PLUMB VOLUME

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	DISCHARGE	feet) +	0.1	gallons =
		16			76

[illegible][illegible]

SAMPLING DATA

PUMP OR TUBING DEPTH IN WELL (feet):	10	SAMPLE PUMP FLOW RATE:		STARTED AT:	1936	ENDED AT:	1911
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SAMPLE CODE:		Filtration Equipment Type:	DUPLICATE:	Y	N
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SAMPLE ID				SAMPLE PRESERVATION		SAMPLE	
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				SAMPLE PRESERVATION				SAMPLE	
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2. STABILIZATION CRITERIA FOR RANGE OF MATERIALS: _____

2. STABILIZATION CRITERIA FOR RANGE OF MATERIALS: _____

1 The above do not constitute all of the information.

GROUNDWATER SAMPLING LOG

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: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
W. NO: DEPMW-20 (7-17)	SAMPLE ID: DEPMW-20 (7-17)		DATE: 3-3-2023

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS:

MATERIAL CODES:	AG = Amber Glass;	CG = Clear Glass;	PE = Polyethylene;	PP = Polypropylene;	S = Silicone;	T = Teflon;	O = Other (Specify)
SAMPLING/PURGING	APP = After Penstaltic Pump;	B = Bailor;	BP = Bladder Pump;	ESP = Electric Submersible Pump;	PP = Penstaltic Pump		
EQUIPMENT CODES:	RFPF = Reverse Flow Penstaltic Pump;	SM = Straw Method (Tubing Gravity Drain);	VT = Vacuum Trap;		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)

STABILIZATION CRITERIA: FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 6616, SECTION 10):
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)

FRB ~~1105~~ 1120

GROUNDWATER SAMPLING LOG

SITE NAME: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
W. NO: DEPMW-21 (7-17)	SAMPLE ID: DEPMW-21 (7-17)	DATE: 3-1-23	

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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:** $\pm 5\%$ **Dissolved Oxygen:** all readings $< 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally 5 NTU or $\pm 10\%$ (whichever is greater)

GROUNDWATER SAMPLING LOG

PURGING DATA				
WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet
			STATIC DEPTH TO WATER (feet): 7.97	PURGE PUMP TYPE OR BAILER: pp

PURGING DATA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (17 ft - 7.97 ft) X 0.16 gallons/foot = 1.44

INITIAL PUMP OR TUBING	9	FINAL PUMP OR TUBING	10	PURGING	1056	PURGING	1118 (LP)	TOTAL VOLUME	4.3
DEPTH IN WELL (feet):		DEPTH IN WELL (feet):		INITIATED AT:		ENDED AT:		PURGED (gallons):	

[illegible]

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Leighanne Haverlin / Geosyntec	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 11/9	SAMPLING ENDED AT: 11/21
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PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (mL per minute): 341	TUBING MATERIAL CODE: HDPE
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: µm	DUPPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION		Filtration Equipment Type:		INTENDED ANALYSIS	SAMPLING EQUIPMENT	SAMPLE PUMP FLOW RATE
		SAMPLE PRESERVATION				

[illegible]

REMARKS: Turbidity is high but stable. (consistent with prior sampling event). extra purge time

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

SAMPLING/BURPING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: **BFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **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 oC **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)

Ver. NO: DEPMW-23 (7-17)

SAMPLE ID: DEL MW-23

DATE: 3/2/23

PURGING DATA

WELL 2

TUBING
DIAMETER (inches) 1/4

WELL SCREEN INTERVAL
DEPTH: 7 feet to 17 feet

STATIC DEPTH TO WATER
(feet): 7.54

PURGE PUMP TYPE
OR BAILER: PP

DIAMETER (inches) = 17 ft - 7.54 ft X .16 gallons/foot = 1.5

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0 gallons + (.0026 gallons/foot X 9 feet) + 0.1 gallons = .37

INITIAL PUMP OR TUBING _____

DEPTH IN WELL (feet): _____ 9

FINAL PUMP OR TUBING	9
DEPTH IN WELL (feet):	

PURGING	
INITIATED AT:	1504

PURGING	1544
ENDED AT:	

TOTAL VOLUME	2.9
PURGED (gallons)	

[illegible]

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:
David S. [unclear] / [unclear]

SAMPLER(S) SIGNATURES: _____

SAMPLING INITIATED AT: 1544

SAMPLING ENDED AT: 1549

PUMP OR TUBING DEPTH IN WELL (feet): 9

SAMPLE PUMP FLOW RATE (mL per minute):

TUBING MATERIAL CODE: HDPE	
DUPLICATE:	Y N

FIELD DECONTAMINATION: Y (N)

FIELD-FILTERED: Y (N) FILTER SIZE: μm
Filtration Equipment Type:

DUPLICATE			

[illegible]

REMARKS:

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

SAMPLING/PURGING: APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, O = Other (Specify) _____
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), VT = Vacuum Trap, _____
Use the following information required by Chapter 32-150, F.A.C.

NOTES: 1 The above do not constitute all of the information required by Chapter 92-106, 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

PURGING DATA					
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet	17 feet	STATIC DEPTH TO WATER (feet): 7.49	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (17 ft - 7.49 ft) X 0.16 gallons/foot = 1.52					

INITIAL PUMP OR TUBING	9	FINAL PUMP OR TUBING	10	PURGING	1140	PURGING	1229	TOTAL VOLUME	
DEPTH IN WELL (feet):		DEPTH IN WELL (feet):		INITIATED AT:		ENDED AT:		PURGED (gallons):	1.68

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" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016									

SAMPLING DATA

PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (mL per minute): 152	TUBING MATERIAL CODE: HDPE
FIELD DECONTAMINATION: Y (N)	FILTER FILTERED: Y (N) FILTER SIZE: um	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED ANALYSIS	SAMPLING EQUIPMENT	SAMPLE PUMP FLOW
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REMARKS: Pumped slow to minimize drawdown / Pumping stopped at 1218. Went to adjust turbine

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

* turbidity high but stabilized at ~ 10.4

PURGING DATA

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME									
(only fill out if applicable)	=	0	gallons + (		gallons/foot X		feet)+	0.1	gallons =

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

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

SAMPLING DATA

PUMP OR TUBING DEPTH IN WELL (feet):	12	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: HDPE
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SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED ANALYSIS	SAMPLING EQUIPMENT	SAMPLE PUMP FLOW RATE
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[illegible]

INSTRUMENTAL CODES:	AG = Amber Glass;	CG = Clear Glass;	PE = Polyethylene;	PP = Polypropylene;	B = Bailer;	PP = Peristaltic Pump;
SAMPLING/PURGING	APP = After Peristaltic Pump;	B = Bailer;	BP = Bladder Pump;	ESP = Electric Submersible Pump;		
SAMPLING CODES:	FBP = Flow Back Peristaltic Pump;		SM = Straw Method (Tubing Gravity Drain);	VT = Vacuum Trap;		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

PURGING DATA			
WELL	2	TUBING Diameter (inches)	1/4
		WELL SCREEN INTERVAL	
		DEPTH: 7 feet to 17 feet	
		STATIC DEPTH TO WATER (feet): 12.28	
		PURGE PUMP TYPE OR BAILER: PP	

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 14	DEPTH IN WELL (feet): 14	INITIATED AT: 1224	ENDED AT: 1237	PURGED (gallons): 125

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									
TESTING NOTES: 1. 1/4" = 0.0008, 3/16" = 0.0014, 1/8" = 0.0026, 5/16" = 0.004, 3/8" = 0.006, 1/2" = 0.010, 5/8" = 0.016									

SAMPLING DATA

PUMP OR TUBING DEPTH IN WELL (feet): 14	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: HOPE
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: µm	DUPLICATE: Y (N)

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL Ph	AND/OR METHOD	USE CODE	USE RATE (mL per min)
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[illegible]

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

GROUNDWATER SAMPLING LOG

SITE NAME: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
VIAL NO: DEPMW-27C(7-17)		SAMPLE ID: DEPMW-27 DATE: 3/3/23	

PURGING DATA

WELL	2	TUBING	1 1/2	WELL SCREEN INTERVAL	17	feet to	17	feet	STATIC DEPTH TO WATER	12.90	(feet):	PURGE PUMP TYPE	OR BAILER: PP
DIAMETER (inches):		DIAMETER (inches):		DEPTH: 7		feet to		feet		(feet):		OR BAILER: PP	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY													
(only fill out if applicable)													
= (17 ft - 12.90 ft) X 17 gallons/foot = .65													
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME													
(only fill out if applicable)													
= 0 gallons + (0.25 gallons/foot X 18 feet) + 0.1 gallons = 0.44													

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 15	DEPTH IN WELL (feet): 15	INITIATED AT: 1110	ENDED AT: 1132	PURGED (gallons): 912

[illegible]

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" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: David Sizemore / Geosyntec	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 1132	SAMPLING ENDED AT: 1137
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PUMP OR TUBING DEPTH IN WELL (feet): 15	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: HDPE
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: µm	Duplicate: Y (N)

Filtration Equipment Type:				
SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED ANALYSIS	SAMPLING	SAMPLE PUMP FLOW

[illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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)

STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS FOR EACH PARAMETER:
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

WELL	3	TUBING	1/4	WELL SCREEN INTERVAL	3 feet to 17 feet	STATIC DEPTH TO WATER	8.01 (feet)	PURGE PUMP TYPE	PP
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EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0 gallons + (0.0036 gallons/foot X 16 feet) + 0.1 gallons = 0.0576 + 0.1 = 0.1576 gallons

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

SAMPLED BY (PRINT) / AFFILIATION: David Sizemore / Georgia	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 1035	SAMPLING ENDED AT: 1040
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FIELD DECONTAMINATION:	Y	(N)	FIELD-DEFENDED:	(C)	DEFENDED:	(Y)
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS	SAMPLING
						SAMPLE PUMP FLOW

CODE	CONTAINERS	SOURCE	DESCRIPTION	QUANTITY	DATE	ANALYST	TEST NAME	RESULTS
MW-29	2	HDPE	125 mL	none	250	NM	PFAS - 8321B	APP ~300

[illegible]

REMARKS:

SERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; 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 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table F-3 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

W. NO:	DEPMW-29 (9-19)	SAMPLE ID:	DEPMW-29 (9-19)	DATE:	2-28-23
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PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **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: $\pm 5\%$ 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)

SITE NAME: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
V. NO: DEPMW-30(7-17)		SAMPLE ID: DEPMW-30(7-17)	
		DATE: 2-28-2023	

[illegible]

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLING DATA						
Leighanne Havenlin / Geosyntec				SAMPLER(S) SIGNATURES: Yezha Han			SAMPLING INITIATED AT: 1728		SAMPLING ENDED AT: 17383	
PUMP OR TUBING DEPTH IN WELL (feet): 14				SAMPLE PUMP FLOW RATE (mL per minute): 227			TUBING MATERIAL CODE: HDPE			
FIELD DECONTAMINATION: Y (N)				FIELD-FILTERED: Y (N) FILTER SIZE: µm			DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION						
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL Ph	INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
DEPMW-30	2	HDPE	125 mL	none	250	nm	PFAS - 8321B		APP	227
(7-17)										
REMARKS:										
High turbidity and DO initially (consistent w/ prior sampling event) slowed purge rate to minimize drawdown										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify) SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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 VALUES										

DO + turbidity are high
but stable

SITE NAME: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
WELL NO: DEPMW-31 (40-50)		SAMPLE ID: DEPMW-31 (40-50)	
WELL		DATE: 3.3.2023	

PURGING DATA				DATE: 3.3.2023
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 40 feet to 50 feet	STATIC DEPTH TO WATER (feet): 8.65	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) _____ = (_____ ft - _____ ft) X _____ gallons/foot = _____				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = _____ X _____ gallons/foot = _____				

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

= 0 gallons + (0.0026 gallons/foot X 15 feet) + 0.125 gallons = 0.044 gallons

INITIAL PUMP OR TUBING		FINAL PUMP OR TUBING		PURGING		PURGING		TOTAL VOLUME	
DEPTH IN WELL (feet): 10		DEPTH IN WELL (feet): 10		INITIATED AT: 0948		ENDED AT: 1002		PURGED (gallons): 0.84	

[illegible][illegible]

MS/MSD

DO is greater than 20% but stable within 0.2 mg/l

MATERIAL CODES: SAMPLING/PURGING EQUIPMENT CODES: NOTES:	AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify) APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)
1 The above do not constitute all of the information required by Chapter 62-160, F.A.C. 2 STABILIZATION CRITERIA FOR BULK	

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

PURGING DATA				
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 40 feet to 50 feet	STATIC DEPTH TO WATER (feet): 7.45	PURGE PUMP TYPE OR BAILER: PP

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS:

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

SAMPLING/BURPING **APP** = After Peristaltic Pump; **B** = Bailor; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump

EQUIPMENT CODES: APP = After Peristaltic Pump, B = Baller, BP = Bladder Pump, ESP = Electric Submersible Pump, FT = Flow Transducer, SM = Straw Method (Tubing Gravity Drain), VT = Vacuum Trap, O = Other (Specify)

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Routing Gravity Drain), V = Vacuum Pump, S = Suction Pump

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

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)

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2200, SECTION 9)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $< 20\%$ saturation (see Table FS 2200)

pH: + 0.2 units **Temperature:** + 0.2 °C **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table 1) **DO:** + 0.2 mg/l or + 10% (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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

W. NO:	DEPMW-33 (40-50)	SAMPLE ID:	DEPMW-33 (40-50)	DATE:	3-1-2023
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PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 40 feet to 50 feet	STATIC DEPTH TO WATER (feet): 8.22	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

(only fill out if applicable) _____ = / _____ ft. = _____ ft) X _____ gallons/foot = _____

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

(only fill out if applicable) = 0 gallons + (0.0026 gallons/foot X 15 feet) + 0.1 25 gallons = 0.49

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 10	DEPTH IN WELL (feet): 10	INITIATED AT: 1030	ENDED AT: 1044	PURGED (gallons): 0.84

[illegible]

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" = 0.0025; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

[illegible]

REMARKS: DO above 20% but stable within 0.2 mg/L

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **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: $\pm 5\%$ Dissolved Oxygen: all readings $< 20\%$ saturation (see Table FS 2200-2);

pH: + 0.2 units Temperature: + 0.2 °C Specific conductance: + 5% Dissolved oxygen: all readings > 20% saturation (or + 2 mg/L, whichever is greater) optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

PURGING DATA				
WELL NUMBER: 2	TUBING DIAMETER (inches): 1 1/4	WELL SCREEN INTERVAL DEPTH: 40 feet to 50 feet	STATIC DEPTH TO WATER (feet): 7.82	PURGE PUMP TYPE OR BAILER: PP

PURGING DATA

DIAMETER (inches):		DIAMETER (inches):		DIAMETER (inches):		DIAMETER (inches):	
WELL VOLUME PURGE:		1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY					
(only fill out if applicable)		= (	ft -	ft) X	gallons/foot =		

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0 gallons + (0.036 gallons/foot X 15 feet) + 0.1 gallons = 0.642

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12	PURGING INITIATED AT: 1618	PURGING ENDED AT: 1630	TOTAL VOLUME PURGED (gallons): 6
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[illegible]

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: David Sizemore/Gensource	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 1630	SAMPLING ENDED AT: 1635
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PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: HDPE
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FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: μm	DUPLICATE: Y (N)
Filtration Equipment Type:		

SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED ANALYSIS	SAMPLING EQUIPMENT	SAMPLE PUMP FLOW
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[illegible]

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

MATERIAL CODES:	AG = Amber Glass,	CG = Clear Glass,	PE = Polyethylene,	PP = Polypropylene,	PS = Polystyrene,	PT = Polytetrafluoroethylene
SAMPLING/PURGING EQUIPMENT CODES:	APP = Apper Peristaltic Pump,	B = Bailor,	BP = Bladder Pump,	ESP = Electric Submersible Pump,	PP = Peristaltic Pump,	
	RFPF = Reverse Flow Peristaltic Pump,		SM = Straw Method (Tubing Gravity Drain),	VT = Vacuum Trap,	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)

SITE NAME: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
W. NO: DEPMW-36 (40-50)	SAMPLE ID: DEPMW-36 (40-50)	DATE: 3.3.2023	

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: 40 feet to 50 feet	STATIC DEPTH TO WATER (feet): 7.63	PURGE PUMP TYPE OR BAILER: PP
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EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME										164.5
(only fill out if applicable)	=	0	gallons + (	0.0036	gallons/foot X	15	feet) +	0.125	gallons =	0.49

INITIAL PUMP OR TUBING	9	FINAL PUMP OR TUBING	9	PURGING	1248	PURGING	1300	TOTAL VOLUME	0.72
DEPTH IN WELL (feet):		DEPTH IN WELL (feet):		INITIATED AT:		ENDED AT:		PURGED (gallons):	

[illegible]

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" = 0.0025; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLED BY (PRINT) / AFFILIATION: 1. Leighanne Haveli / 1. Environmental		SAMPLER(S) SIGNATURES: Yes [Signature]		SAMPLING INITIATED AT: 1301	SAMPLING ENDED AT: 1305
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PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: HDPE
9	227	

FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: μm	DUPLICATE: (Y) N
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[illegible]

REMARKS: DO is greater than 20% but stable with in 0.2 mg/L

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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)

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

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 oC 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

PURGING DATA				
WELL	TUBING	WELL SCREEN INTERVAL	STATIC DEPTH TO WATER	PURGE PUMP TYPE
DIAMETER (inches): 2	DIAMETER (inches): 3/8	DEPTH: 90 feet to 110 feet	(feet): 5.29	OR BAILER: ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
(only fill out if applicable)	= (110 ft - 529)	ft X 0.16	gallons/foot = 16.4	(4.2)

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND (µmhos/cm or µS/cm)	OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
1055	17	17	.1	6.30	7.21	24.27	1200	0.12	6.72	clear	-30.1	
1104	4.0	21	.1	6.30	7.21	24.27	1210	0.10	6.65	"	-31.0	
1110	4.4	25.4	.1	6.30	7.22	24.30	1213	0.12	6.90	"	-31.7	

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

PUMP OR TUBING DEPTH IN WELL (feet): 2	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: HDPE
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: µm Filtration Equipment Type:	DUPLICATE: Y (N)

REMARKS:

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

SAMPLING/PURGING: APP = After Penstatic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Penstatic Pump
SM = Squeeze Method (Tubing Gravity Drain); VT = Vacuum Trap; 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 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2);
optionally, + 0.2 mol/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

WELL <u>3</u> <u>DEPMW-39</u>	TUBING <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>7</u> feet to <u>17</u> feet	STATIC DEPTH TO WATER (feet): <u>8.07</u>	PURGE PUMP TYPE OR BAILER: <u>FSP</u>
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (17 ft - 8.04 ft) X 1.63 gallons/foot = 1.4

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME										
(only fill out if applicable)	=	0	gallons + (	0.026	gallons/foot X	12	feet) +	0.1	gallons =	

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 10	DEPTH IN WELL (feet): 10 11	INITIATED AT: 1125	ENDED AT: 1155	PURGED (gallons): 55 2.0

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

SAMPLING DATA

PUMP OR TUBING DEPTH IN WELL (feet): 11	SAMPLE PUMP FLOW RATE (ml per minute):	TUBING MATERIAL CODE: HDPE
	FILTER SIZE: μm	DUPPLICATE: Y (N)

FIELD DECONTAMINATION: Y		FIELD-METERED: METERED:			
		Filtration Equipment Type:			
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS	SAMPLING
					SAMPLE PUMP FLOW

[illegible]

SERIAL CODES: AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, PP = Polypropylene, S = Silicone, T = Teflon, O = Other (Specify)
SAMPLING/PURGING: APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump
EQUIPMENT CODES: RFPF = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), VT = Vacuum Trap, 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)

DEP-SOP-001/01
FS 220 Groundwater Sampling
Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
V. NO: DEPMW-40 (7-17)		SAMPLE ID: DEPMW-40 (7-17)	DATE: 2-28-2023
PURGING DATA			
PUMP TYPE		PUMP TYPE	

[illegible][illegible]

Do slightly above 20% but 274018

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

Must constitute all of the information required by Chapter 62-160, F.A.C.

EXECUTIVE READINGS (SEE FS 2212, SECTION 3)

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-100, F.S.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units Temperature: + 0.2 oC 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)

SITE NAME: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
W. NO: DEPMW-41 (7-17)	SAMPLE ID: DEPMW-41 (7-17)	DATE: 2.28.23	

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: REPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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:** $\pm 5\%$ **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

V. NO:	DEPMW-42 (25-35)	SAMPLE ID:	DEPMW-42 (25-35)	DATE:	3-1-2023
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PURGING DATA

WELL DIAMETER (inches): <u>1</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>25</u> feet to <u>35</u> feet	STATIC DEPTH TO WATER (feet): <u>6.74</u>	PURGE PUMP TYPE OR BAILER: <u>PP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) <u> </u> = (<u> </u> ft - <u> </u> ft) X <u> </u> gallons/foot = <u> </u>				

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME										164 x 3	
(only fill out if applicable)	=	0	gallons + (	0026	gallons/foot X	15	feet) +	0.1	25	gallons =	49

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 8	DEPTH IN WELL (feet): 8	INITIATED AT: 1430	ENDED AT: 1440	PURGED (gallons): 0.80

[illegible]

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" = 0.0025; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016									

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Leighanne Haverlin / Geosyntec	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 1441	SAMPLING ENDED AT: 1443
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PUMP OR TUBING DEPTH IN WELL (feet): 8	SAMPLE PUMP FLOW RATE (mL per minute): 303	TUBING MATERIAL CODE: HDPE
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FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N)	FILTER SIZE: μm	DUPLICATE: Y (N)
Filtration Equipment Type:			

SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED ANALYSIS	SAMPLING	SAMPLE PUMP FLOW
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SAMPLE ID	#	MATERIAL	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD	FINAL Ph	INTENDED ANALYSIS AND/OR METHOD	EQUIPMENT CODE	PUMP FLOW RATE (ml. per min)
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CODE	CONTAINERS	CODE	VOLUME	PRESERVATIVE USED	(mL)	ANALYST	REAGENT	(mg per mL)
50001	42	0000	100	0000	250	AM	DEAS-R321B	100 302

DEPMW-72	2	HDPE	125 mL	none	250	NM	FAS-66218	AT	303
(25-34)									

[illegible][illegible][illegible][illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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 oC 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

NO:	DEPMW-44 (40-50)	SAMPLE ID:	DEPMW-44 (40-50)	DATE:	2-28-23
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PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: 40 feet to 50 feet	STATIC DEPTH TO WATER (feet): 7.49	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
(only fill out if applicable)

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME										1562 x 3	
(only fill out if applicable)	=	0	gallons + (	0026	gallons/foot X	50 @ 12	feet) +	0.125	gallons	=	.47

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 9.5	DEPTH IN WELL (feet): 9.5	INITIATED AT: 0854	ENDED AT: 0910	PURGED (gallons): 0.96

[illegible]

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Leighanne Haverlin / Geo. Sinter	SAMPLER(S) SIGNATURES: Leighanne Haverlin	SAMPLING INITIATED AT: 0911	SAMPLING ENDED AT: 0915
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PUMP OR TUBING DEPTH IN WELL (feet):	9.5	SAMPLE PUMP FLOW RATE (mL per minute):	227	TUBING MATERIAL CODE: HDPE
FIELD DECONTAMINATION: Y (N)		FIELD FILTERED: Y (N)	FILTER SIZE: um	DUPPLICATE: Y (N)

FIELD DECONTAMINATION:	FIELD-METERED:	METER SIZE:	EST. DISINFECTION:
	Filtration Equipment Type:		

[illegible]

REMARKS: DO is high (greater than 20%) but stable within 0.2 mg/L

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

SAMPLE/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump;
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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 oC 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)

NO: <u>DEPMU-4.5 (120-140)</u>		SAMPLE ID: <u>DEPMU-4.5</u>	
PURGING DATA			
WELL	TUBING	WELL SCREEN INTERVAL	STATIC DEPTH TO WATER
<u>2</u>	<u>3/8</u>	DEPTH: <u>120</u> feet to <u>140</u> feet	(feet) <u>10.0</u>
DIAMETER (inches):	DIAMETER (inches):	(feet) <u>10.0</u>	
WELL VOLUME PURGE = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY		gallons/foot = <u>20.8</u>	
(only fill out if applicable)		(5.2)	
= (<u>140</u> ft. - <u>10.0</u>) X <u>.16</u>		TUBING LENGTH X FLOW CELL VOLUME	

DEPTH IN WELL (feet)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	(µmhos/cm or µS/cm)	mg/L (saturation)	(NTUs)	(dissolved)	
1257	20.1	20.1	0.6	53.6	7.29	24.71	1314	0.19	4.72	Clear	-10.1
1306	6.0	26.1	0.6	53.6	7.30	24.72	1313	0.18	5.11	Clear	-9.8
1315	15.0	31.1	0.6	53.6	7.30	24.71	1319	0.17	6.00	Clear	-9.7

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.08; 1.75" = 0.10; 2" = 0.12; 2.25" = 0.14; 2.5" = 0.16; 2.75" = 0.18; 3" = 0.20; 3.25" = 0.22; 3.5" = 0.24; 3.75" = 0.26; 4" = 0.28; 4.25" = 0.30; 4.5" = 0.32; 4.75" = 0.34; 5" = 0.36; 5.25" = 0.38; 5.5" = 0.40; 5.75" = 0.42; 6" = 0.44; 6.25" = 0.46; 6.5" = 0.48; 6.75" = 0.50; 7" = 0.52; 7.25" = 0.54; 7.5" = 0.56; 7.75" = 0.58; 8" = 0.60; 8.25" = 0.62; 8.5" = 0.64; 8.75" = 0.66; 9" = 0.68; 9.25" = 0.70; 9.5" = 0.72; 9.75" = 0.74; 10" = 0.76; 10.25" = 0.78; 10.5" = 0.80; 10.75" = 0.82; 11" = 0.84; 11.25" = 0.86; 11.5" = 0.88; 11.75" = 0.90; 12" = 0.92; 12.25" = 0.94; 12.5" = 0.96; 12.75" = 0.98; 13" = 1.00; 13.25" = 1.02; 13.5" = 1.04; 13.75" = 1.06; 14" = 1.08; 14.25" = 1.10; 14.5" = 1.12; 14.75" = 1.14; 15" = 1.16; 15.25" = 1.18; 15.5" = 1.20; 15.75" = 1.22; 16" = 1.24; 16.25" = 1.26; 16.5" = 1.28; 16.75" = 1.30; 17" = 1.32; 17.25" = 1.34; 17.5" = 1.36; 17.75" = 1.38; 18" = 1.40; 18.25" = 1.42; 18.5" = 1.44; 18.75" = 1.46; 19" = 1.48; 19.25" = 1.50; 19.5" = 1.52; 19.75" = 1.54; 20" = 1.56; 20.25" = 1.58; 20.5" = 1.60; 20.75" = 1.62; 21" = 1.64; 21.25" = 1.66; 21.5" = 1.68; 21.75" = 1.70; 22" = 1.72; 22.25" = 1.74; 22.5" = 1.76; 22.75" = 1.78; 23" = 1.80; 23.25" = 1.82; 23.5" = 1.84; 23.75" = 1.86; 24" = 1.88; 24.25" = 1.90; 24.5" = 1.92; 24.75" = 1.94; 25" = 1.96; 25.25" = 1.98; 25.5" = 2.00; 25.75" = 2.02; 26" = 2.04; 26.25" = 2.06; 26.5" = 2.08; 26.75" = 2.10; 27" = 2.12; 27.25" = 2.14; 27.5" = 2.16; 27.75" = 2.18; 28" = 2.20; 28.25" = 2.22; 28.5" = 2.24; 28.75" = 2.26; 29" = 2.28; 29.25" = 2.30; 29.5" = 2.32; 29.75" = 2.34; 30" = 2.36; 30.25" = 2.38; 30.5" = 2.40; 30.75" = 2.42; 31" = 2.44; 31.25" = 2.46; 31.5" = 2.48; 31.75" = 2.50; 32" = 2.52; 32.25" = 2.54; 32.5" = 2.56; 32.75" = 2.58; 33" = 2.60; 33.25" = 2.62; 33.5" = 2.64; 33.75" = 2.66; 34" = 2.68; 34.25" = 2.70; 34.5" = 2.72; 34.75" = 2.74; 35" = 2.76; 35.25" = 2.78; 35.5" = 2.80; 35.75" = 2.82; 36" = 2.84; 36.25" = 2.86; 36.5" = 2.88; 36.75" = 2.90; 37" = 2.92; 37.25" = 2.94; 37.5" = 2.96; 37.75" = 2.98; 38" = 3.00; 38.25" = 3.02; 38.5" = 3.04; 38.75" = 3.06; 39" = 3.08; 39.25" = 3.10; 39.5" = 3.12; 39.75" = 3.14; 40" = 3.16; 40.25" = 3.18; 40.5" = 3.20; 40.75" = 3.22; 41" = 3.24; 41.25" = 3.26; 41.5" = 3.28; 41.75" = 3.30; 42" = 3.32; 42.25" = 3.34; 42.5" = 3.36; 42.75" = 3.38; 43" = 3.40; 43.25" = 3.42; 43.5" = 3.44; 43.75" = 3.46; 44" = 3.48; 44.25" = 3.50; 44.5" = 3.52; 44.75" = 3.54; 45" = 3.56; 45.25" = 3.58; 45.5" = 3.60; 45.75" = 3.62; 46" = 3.64; 46.25" = 3.66; 46.5" = 3.68; 46.75" = 3.70; 47" = 3.72; 47.25" = 3.74; 47.5" = 3.76; 47.75" = 3.78; 48" = 3.80; 48.25" = 3.82; 48.5" = 3.84; 48.75" = 3.86; 49" = 3.88; 49.25" = 3.90; 49.5" = 3.92; 49.75" = 3.94; 50" = 3.96; 50.25" = 3.98; 50.5" = 4.00; 50.75" = 4.02; 51" = 4.04; 51.25" = 4.06; 51.5" = 4.08; 51.75" = 4.10; 52" = 4.12; 52.25" = 4.14; 52.5" = 4.16; 52.75" = 4.18; 53" = 4.20; 53.25" = 4.22; 53.5" = 4.24; 53.75" = 4.26; 54" = 4.28; 54.25" = 4.30; 54.5" = 4.32; 54.75" = 4.34; 55" = 4.36; 55.25" = 4.38; 55.5" = 4.40; 55.75" = 4.42; 56" = 4.44; 56.25" = 4.46; 56.5" = 4.48; 56.75" = 4.50; 57" = 4.52; 57.25" = 4.54; 57.5" = 4.56; 57.75" = 4.58; 58" = 4.60; 58.25" = 4.62; 58.5" = 4.64; 58.75" = 4.66; 59" = 4.68; 59.25" = 4.70; 59.5" = 4.72; 59.75" = 4.74; 60" = 4.76; 60.25" = 4.78; 60.5" = 4.80; 60.75" = 4.82; 61" = 4.84; 61.25" = 4.86; 61.5" = 4.88; 61.75" = 4.90; 62" = 4.92; 62.25" = 4.94; 62.5" = 4.96; 62.75" = 4.98; 63" = 5.00; 63.25" = 5.02; 63.5" = 5.04; 63.75" = 5.06; 64" = 5.08; 64.25" = 5.10; 64.5" = 5.12; 64.75" = 5.14; 65" = 5.16; 65.25" = 5.18; 65.5" = 5.20; 65.75" = 5.22; 66" = 5.24; 66.25" = 5.26; 66.5" = 5.28; 66.75" = 5.30; 67" = 5.32; 67.25" = 5.34; 67.5" = 5.36; 67.75" = 5.38; 68" = 5.40; 68.25" = 5.42; 68.5" = 5.44; 68.75" = 5.46; 69" = 5.48; 69.25" = 5.50; 69.5" = 5.52; 69.75" = 5.54; 70" = 5.56; 70.25" = 5.58; 70.5" = 5.60; 70.75" = 5.62; 71" = 5.64; 71.25" = 5.66; 71.5" = 5.68; 71.75" = 5.70; 72" = 5.72; 72.25" = 5.74; 72.5" = 5.76; 72.75" = 5.78; 73" = 5.80; 73.25" = 5.82; 73.5" = 5.84; 73.75" = 5.86; 74" = 5.88; 74.25" = 5.90; 74.5" = 5.92; 74.75" = 5.94; 75" = 5.96; 75.25" = 5.98; 75.5" = 6.00; 75.75" = 6.02; 76" = 6.04; 76.25" = 6.06; 76.5" = 6.08; 76.75" = 6.10; 77" = 6.12; 77.25" = 6.14; 77.5" = 6.16; 77.75" = 6.18; 78" = 6.20; 78.25" = 6.22; 78.5" = 6.24; 78.75" = 6.26; 79" = 6.28; 79.25" = 6.30; 79.5" = 6.	
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MATERIAL CODES: AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, PP = Polypropylene, S = Silicone, T = Teflon, P = Peristaltic Pump
SAMPLING/PURGING: APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, VT = Vacuum Trap, O = Other (Specify)
EQUIPMENT CODES: RFPF = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain)

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

WELL NO: <i>DEPMW-46 (120-140)</i>	SAMPLE ID: <i>DEPMW-46 (120-140)</i>	DATE: <i>2/28/23</i>
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PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>3/8</u>	WELL SCREEN INTERVAL DEPTH: <u>120</u> feet to <u>140</u> feet	STATIC DEPTH TO WATER (feet): <u>7.05</u>	PURGE PUMP TYPE OR BAILER: <u>ESP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
(only fill out if applicable)				
$= \frac{1}{4} \times \pi \times \left(\frac{140}{12}\right)^2 \times (7.05 - 0) \times 7.48 \text{ gallons/foot} = 21.2 \text{ (5.3)}$				

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0.1 gallons + (gallons/foot X feet) + 0.1 gallons = 

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 55	DEPTH IN WELL (feet): 55	INITIATED AT: 1742	ENDED AT: 1546	PURGED (gallons): 28.33

[illegible]

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>L. J. S. Smeere</i>	SAMPLER(S) SIGNATURES: <i>[Signature]</i>	SAMPLING INITIATED AT: <i>1546</i>	SAMPLING ENDED AT: <i>1551</i>
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PUMP OR TUBING DEPTH IN WELL (feet): 42	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: HDPE
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FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N)	FILTER SIZE: µm	DUPLICATE: Y (N)
Filtration Equipment Type:			

SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED ANALYSIS	SAMPLING EQUIPMENT	SAMPLE PUMP FLOW
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[illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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)

—Use: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2);

pH: + 0.2 units Temperature: + 0.2 °C Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (optional) or + 0.2 mg/l or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016									

optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

DEP-SOP-001/01
FS 220 Groundwater Sampling
Form FD 9000-24
GROUNDWATER SAMPLING LOG

NAME: Indian River State College	SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL		
NO: DEP-mw-48	SAMPLE ID: DEP-mw-48	DATE: 01/27/23	

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS:

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

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
B = Bailor; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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)

STABILIZATION CRITERIA: FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS #212, SECTION 9):
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

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: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
V. NO: DEPMW-50(7-17)		SAMPLE ID: DEPMW-50(7-17) DATE: 2.28.23	

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 8.30	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
(only fill out if applicable)				
= (17 ft - 8.30 ft) X 0.04 gallons/foot = 0.348				

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) _____ = 0 gallons + (_____ gallons/foot X _____ feet) + 0.1 gallons = _____

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 10	DEPTH IN WELL (feet): 11	INITIATED AT: 1057	ENDED AT: 1108	PURGED (gallons): 0.55

[illegible]

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Leighanne Haventlin / Gensyn Tec	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 1109	SAMPLING ENDED AT: 1113
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PUMP OR TUBING DEPTH IN WELL (feet):	11	SAMPLE PUMP FLOW RATE (mL per minute):	189	TUBING MATERIAL CODE: HDPE
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FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: μm Filtration Equipment Type:	DUPLICATE: Y (N)
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SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED ANALYSIS	SAMPLING	SAMPLE PUMP FLOW
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SAMPLE ID	#	MATERIAL	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD	FINAL Ph	INTENDED ANALYSIS AND/OR METHOD	EQUIPMENT CODE	PUMP FLOW RATE (mL per min)
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CODE	CONTAINERS	CODE	VOLUME	PRESERVATIVE USED	(mL)	DATE			
DECONTAMINATED	2	URDF	125 ml	none	250	N/A	PFAS - 8321B	App	189

DEPMW-50	2	HUPE	125 mL	None	200	NH		MIP	10/1
(7-17)									

[illegible][illegible][illegible][illegible]

REMARKS: ORP went from + to - but all other parameters are stable

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

SAMPLING/PURGING APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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)

PURGING DATA				
WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 6.34	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (17 ft - 6.34) X .04 gallons/foot = 0.43				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0 gallons + () gallons/foot X () feet + 0.1 gallons = ()				
INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING			

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									
SAMPLING DATA									

SAMPLED BY (PRINT) / AFFILIATION:									
PUMP OR TUBING DEPTH IN WELL (feet):									
FIELD DECONTAMINATION:									
SAMPLE CONTAINER SPECIFICATION									
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL Ph	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
PMW-5(7-17)	2	HDPE	125 mL	none	250	NM	PFAS - 8321B	APP	265
PMW-5(7-17) DUP	Z	HDPE	125 mL	None	250	NM	PFAS - 8321B	APP	265
REMARKS: drinking glass									

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPF = Reverse Flow Peristaltic Pump; SM = Sraw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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

NO: DEPMW-52 (7-17)	SAMPLE ID: DEPMW-52 (7-17)	DATE: 2.28.2023
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PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS: turbidity initially high

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

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

1 The above do not constitute all of the information required by Chapter 62-100, F.S.C.
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

2. **STABILIZATION CRITERIA:** FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE TABLE FS 2200-2):
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)

PURGING DATA					
WELL DIAMETER (inches): <u>1</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>7-17</u> feet to feet	STATIC DEPTH TO WATER (feet): <u>8.38</u>	PURGE PUMP TYPE <u>ESP</u>	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (<u>17</u> ft - <u>8.38</u> ft) X <u>1.04</u> gallons/foot = <u>34.8</u>					
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = <u>0</u> gallons + (<u>11</u> ft) X <u>0.1</u> gallons = <u>34</u>					
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>10</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>10</u>	PURGING INITIATED AT: <u>1320</u>	PURGING ENDED AT: <u>1336</u>	TOTAL VOLUME PURGED (gallons): <u>0.7</u>	

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

SAMPLING DATA

[illegible]

REMARKS

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

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, PF = Peristaltic Pump, RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), VT = Vacuum Trap, O = Other (Specify)

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

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)

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2200-2, SECTION 2.2.2.2):
 pH: 6.5 - 8.5; Temperature: 0.2 - 30.0 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\geq 20\%$ saturation (see Table FS 2200-2);

pH: + 0.2 units **Temperature:** + 0.2 °C **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings + 20% saturation (or + 0.2 mg/L, whichever is greater) **Total Dissolved Solids:** all readings + 20% or + 5 mg/L (whichever is greater) **Turbidity:** all readings + 20 NTU; optionally, + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

W. NO:	DEPMW-54 (7-17)	SAMPLE ID:	DEPMW-54(7-17)	DATE:	3-1-2023
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PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), VT = Vacuum Trap, 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

NO: DEPMW-55(7-17)	SAMPLE ID: DEPMW-55(7-17)	DATE: 3.2.2025
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PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 4.32	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
(only fill out if applicable)

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0 gallons + (0.0026 gallons/foot X 15 feet) + 0.125 gallons = 0.164 x 3 = .49

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 6	DEPTH IN WELL (feet): 7	INITIATED AT: 1311	ENDED AT: 1323	PURGED (gallons): 0.72

TIME	VOLUME PURGED (feet ³)	CUMUL VOLUME PURGED (feet ³)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
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[illegible]

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Rishanna Nana / Geosyntec	SAMPLER(S) SIGNATURES: Nana	SAMPLING INITIATED AT: 1324	SAMPLING ENDED AT: 1326
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PUMP OR TUBING DEPTH IN WELL (feet): 7	SAMPLE PUMP FLOW RATE (mL per minute): 227	TUBING MATERIAL CODE: HDPE
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FIELD DECONTAMINATION:	Y	☒	FIELD-FILTERED:	Y	☒	FILTER SIZE:	µm	DUPLICATE:	Y	☒
Filtration Equipment Type:										

SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED ANALYSIS	SAMPLING EQUIPMENT	SAMPLE PUMP FLOW RATE
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SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL Ph	AND/OR METHOD	CODE	RATE (mL per min)
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DERMW-55 (7-17)	2	HDPE	125 mL	none	250	1M	PFAS - 8321B	APP	237
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[illegible][illegible][illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), VT = Vacuum Trap, 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)

STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READERINGS:
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

W. NO:	DEPMW-56 (7-17)	SAMPLE ID:	DEPMW-56 (7-17)	DATE:	2.28.2023
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PURGING DATA

WELL DIAMETER (inches):	1	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	7	feet to	17	feet	STATIC DEPTH TO WATER (feet):	6.07	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
(only fill out if applicable)

= (17 ft - 6.07 ft) X 0.04 gallons/foot = 0.44

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 = _____

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 8	DEPTH IN WELL (feet): 8	INITIATED AT: 1513	ENDED AT: 1526	PURGED (gallons): 0 - 85

[illegible]

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Leighanne Haverlin/Geosystems	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 1527	SAMPLING ENDED AT: 1531
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PUMP OR TUBING DEPTH IN WELL (feet):	8	SAMPLE PUMP FLOW RATE (mL per minute):	189	TUBING MATERIAL CODE: HDPE
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FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N)	FILTER SIZE: μm	DUPLICATE: Y (N)
Filtration Equipment Type:			

[illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1 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 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table F3) **DO:** all readings < 20% saturation (see Table F3)

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

PURGING DATA				
WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 5.50	PURGE PUMP TYPE OR BAILER: PP

WELL SCREEN INT

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (17 ft - 550 ft) X 0.04 gallons/foot = 0.46

(only fill out if applicable) _____ = 0 gallons + (_____ gallons/foot X _____ feet) + 0.1 gallons = _____

INITIAL PUMP OR TUBING	7	FINAL PUMP OR TUBING	7	PURGING	1519	PURGING	1531	TOTAL VOLUME	0.72
DEPTH IN WELL (feet):		DEPTH IN WELL (feet):		INITIATED AT:		ENDED AT:		PURGED (gallons):	

TIME	VOLUME PURGED (gallons)	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
1528	0.48	0.48	0.08	6.46	6.32	25.91	708	0.96	4.32	clear	34.7	—
1529	0.12	0.60	0.06	6.38	6.35	25.84	707	0.90	4.29	clear	31.4	—
1531	0.12	0.72	0.06	6.54	6.37	25.81	707	0.83	4.88	clear	29.2	—

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

RES: 14

Leighanne Haverlin/Geosyntec		Leigha HA		INITIATED AT: 1532	ENDED AT: 1534
PUMP OR TUBING DEPTH IN WELL (feet): 7		SAMPLE PUMP FLOW RATE (mL per minute): 227		TUBING MATERIAL CODE: HDPE	

FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: µm	Duplicate: Y (N)
Filtration Equipment Type:		

[illegible]

REMARKS: Orange algae at surface of water column initially

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VI = Vacuum Trap; 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 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200)

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

PURGING DATA				
WELL DIAMETER (inches):	1	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet
			STATIC DEPTH TO WATER (feet): 6.14	PURGE PUMP TYPE OR BAILER: PP

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS: turbidity initially high, turbidity gradually increasing from 1607 to 1619.

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

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1 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)

turbidity high but stable

GROUNDWATER SAMPLING LOG

NO:	DFPMW-59 (40-50)	SAMPLE ID:	DFPMW-59 (40-50)	DATE:	3-1-2023
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PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 40 feet to 50 feet	STATIC DEPTH TO WATER (feet): 7.98	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) _____ = (_____ ft - _____ ft) X _____ gallons/foot = _____				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) _____ = 0 gallons + (.0026 gallons/foot X 15 feet) + 0.125 gallons = .49				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1239	PURGING ENDED AT: 1252	TOTAL VOLUME PURGED (gallons): 0.91

[illegible]

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" = 0.0025; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016									

SAMPLING DATA

[illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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: Indian River State College		SITE LOCATION: 4600 Kirby Loop Rd, Fort Pierce, FL	
VIAL NO: DEP m2-60 (40-50)		SAMPLE ID:	DATE: 3/1/23

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

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

SAMPLING/PURGING APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump

EQUIPMENT CODES: **BFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

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

1 The above do not constitute all the information required by Chapter 20.

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: $\pm 5\%$ Dissolved Oxygen: all readings $< 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings < 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

GROUNDWATER SAMPLING LOG

W. NO:	DEPMW-61 (40-50)	SAMPLE ID:	DEPMW-61(40-50)	DATE:	3-1-2023
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PURGING DATA

WELL DIAMETER (inches):	1	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	40 feet to 50 feet	STATIC DEPTH TO WATER (feet):	8.32	PURGE PUMP TYPE OR BAILER:	PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)									
$\text{_____} = (\text{_____} \text{ ft} - \text{_____} \text{ ft}) \times \text{_____} \text{ gallons/foot} = \text{_____}$									

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

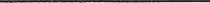
= 0 gallons + (0.0026 gallons/foot X 15 feet) + 0.125 gallons = 0.49 gallons

INITIAL PUMP OR TUBING	10	FINAL PUMP OR TUBING	10	PURGING	0954	PURGING	1006	TOTAL VOLUME	0.72
DEPTH IN WELL (feet):		DEPTH IN WELL (feet):		INITIATED AT:		ENDED AT:		PURGED (gallons):	

[illegible]

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" = 6.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.):	1/8" = 0.0008;	3/16" = 0.0014;	1/4" = 0.0026;	5/16" = 0.004;	3/8" = 0.006;	1/2" = 0.010;	5/8" = 0.016;	3" = 0.37;	4" = 0.65;

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Leighanne Havenlin/Geosyntec	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 1008	SAMPLING ENDED AT: 1010
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PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (mL per minute): 227	TUBING MATERIAL CODE: HDPE
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: µm	DUPLICATE: Y (N)

[illegible]

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; 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) optionally, + 0.2 mg/L or + 10% (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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

[illegible]

NOTES: 1 The above do not constitute all of the information required by the permit.
2 **STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)**
pH: + 0.2 units Temperature: + 0.2 oC 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)

IDW Inventory - Geosyntec Consultants

FIELD DRUM INVENTORY TRACKING LOG

Project Name: Indian River State College

[illegible]

Sample Packaging/Shipping Checklist for FDEP SIS/SOL PFAS Projects

Objective: Ensure sample kits are received and samples are packaged and shipped properly.

Instructions: Please answer each question. For any question with a No answer, please provide details/justification below the question. A copy of this checklist should be saved to the project folder, accompany the sample kit, and be returned to the lab with the samples.

Project Name: Indian River State College
Project Number: FR3598
Cooler: # 1 of # 2
Associated COCs: # of # thru # of #

Checked by: David Sizemore
Date: 3/5/23

Final Check/Date: 3/5/23
COC Checked: 3/5/23
Photos Checked: 3/5/23

Item

Sample dates, times, IDs on field notes, COC, bottle labels (in Sharpie) Match and no blind duplicates on COC

Yes

No

RQ Number and Bottle Group on Samples consistent with FDEP Paperwork and Different RQs Packed in Different Coolers

Yes

No

If Liquid IDW Samples Collected, Trip Blank included in Cooler and on COC

Yes

No

Heavy-Duty Garbage Bag Place in Cooler and Ice in Bottom of Bag

Yes

No

Bagged Samples (including Temp Blank) Placed on Ice (Photo)

Yes

No

Additional Ice (Not Bagged) Placed on Samples (Photo)

Yes

No

Bag Sealed and COC, RQ, Checklist in Ziplock Bag Taped to Cooler Lid (Photo)

Yes

No

FDEP Notified of Shipping Date, Method, Expected Arrival

Yes

No

Chain of Custody Record

Page 1 of 6

Project Name					# B O T T L E S	Analyses										Comments				
Sampled by						Module#														
RQ#		Site Name			Field ID		Matrix	Date	Time	Bottle Group	2	X								
RQ-2023-02-20-07		Indian River State College																		
DEPMW-11 (5-15)		W	3/3/23	1312	A	2	X													
DEPMW-48 (151-171)		W	2/27/23	1744	A	2	X													
DEPMW-47 (110-130)		W	2/28/23	937	A	2	X													
DEPMW-25 (7-17)		W	3/1/23	1446	A	2	X													
DEPMW-37 (40-50)		W	3/1/23	1551	A	2	X													
DEPMW-12 (110-130)		W	2/28/23	1725	A	2	X													
DEPMW-46 (120-140)		W	2/28/23	1546	A	2	X													
DEPMW-18 (38-48)		W	3/2/23	1436	A	2	X													
DEPMW-3 (7-17)		W	3/2/23	1156	A	2	X													
DEPMW-16 (40-50)		W	3/2/23	957	A	2	X													
DEPMW-7 (5-15)		W	3/2/23	911	A	2	X													
DEPMW-35 (40-50)		W	3/2/23	1630	A	2	X													
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time										
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time										
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time										

Remarks:

Preservative Sticker 1

Preservative Sticker 2

Preservative Sticker 3

Preservative Sticker 4

Chain of Custody Record

Page 2 of 6

Project Name					# B O T T L E S	Analyses										Comments
Sampled by																
RQ#		Site Name														
Field ID	Matrix	Date	Time	Bottle Group												
DEPMW-23(7-17)	W	3/2/23	1544	A	2	X										
DEPMW-27(7-17)	W	3/3/23	1132	A	2	✓										
DEPMW-26(7-17)	W	3/3/23	1237	A	2	✓										
DEPMW-17(40-50)	W	3/2/23	1052	A	2	X										
DEPMW-17(40-50)	W	3/2/23	1052	A	2	X										
DEPMW-28(7-17)	W	3/3/23	1035	A	4	X										Lab QA/QC
DEPMW-5(5-15)	W	3/2/23	1213	A	2	X										
DEPMW-6(7-17)	W	3/2/23	1048	A	2	X										
DEPMW-60(40-50)	W	3/1/23	1051	A	4	X										Lab QA/QC
_____ PMS																
Relinquished by:		Date/Time		Method of Dispatch		Received by:		Date/Time								
Relinquished by:		Date/Time		Method of Dispatch		Received by:		Date/Time								
Relinquished by:		Date/Time		Method of Dispatch		Received by:		Date/Time								

Remarks:

Preservative Sticker 1

Preservative Sticker 2

Preservative Sticker 3

Preservative Sticker 4

Chain of Custody Record

Page 3 of 4

Project Name Indian River State College					# B O T T L E S	Analyses										Comments
Sampled by D. Sizemore, L. Haverlin																
Module#																
RQ# RQ 2023-02-10-07																
Site Name Indian River State College																
Field ID	Matrix	Date	Time	Bottle Group												
DEPMW-38 (90-110)	X	2/28/23	1110	A	2	X										
DEPMW-45 (120-140)	X	2/28/23	1315	A	2	X										
DEPMW-53 (7-17)	X	3/1/23	1336	A	2	X										
DEPMW-43 (40-50)	X	3/1/23	1243	A	2	X										
EQB-71	X	3/2/23	845	A	2	X										
DEPMW-19 (40-50)	X	3/2/23	845	A	2	X										
DEPMW-12 (5-15)	X	3/2/23	927	A	2	X										
DEPMW-14 (40-50)	X	3/2/23	1136	A	2	X										
DEPMW-16 (5-15)	X	3/2/23	1345	A	2	X									Lab QA/QC	
DEPMW-8 (7-17)	X	3/2/23	1015	A	2	X										
DEPMW-8 (7-17) DUP	X	3/2/23	1015	A	2	X										
DEPMW-39 (7-17)	X	3/1/23	1155	A	2	X										
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time						
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time						
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time						

Remarks:

Preservative Sticker 1

Preservative Sticker 2

Preservative Sticker 3

Preservative Sticker 4

State of Florida Department of Environmental Protection

Chain of Custody Record

Page 4 of 6

Project Name					# B O T T L E S	Analyses										Comments
Sampled by																
RQ#		Site Name														
Field ID	Matrix	Date	Time	Bottle Group												
DEPMW-21 (7-17)	W	3/1/23	849	A	2	X										
DEPMW-52 (7-17)	W	2/28/23	1302	A	2	X										
DEPMW-51 (7-17)	W	2/28/23	1032	A	2	X										
DEPMW-51 (7-17) DUP	W	2/28/23	1032	A	2	X										
EQB-72	W	3/2/23	1635	A	2	X										
DEPMW-44 (40-50)	W	2/28/23	911	A	2	X										
DEPMW-58 (25-35)	W	2/28/23	1624	A	2	X										
DEPMW-40 (7-17)	W	2/28/23	1451	A	2	X										
DEPMW-32 (40-50)	W	3/1/23	0917	A	2	X										
DEPMW-61 (40-50)	W	3/1/23	1008	A	2	X										
DEPMW EQB-70	W	2/2/23	1558	A	2	X										
Relinquished by:		Date/Time		Method of Dispatch		Received by:		Date/Time								
Relinquished by:		Date/Time		Method of Dispatch		Received by:		Date/Time								
Relinquished by:		Date/Time		Method of Dispatch		Received by:		Date/Time								

Remarks:

Preservative Sticker 1

Preservative Sticker 2

Preservative Sticker 3

Preservative Sticker 4

State of Florida Department of Environmental Protection
Chain of Custody Record

Page 5 of 6

Project Name <u>Indian River State College</u>					# B O T T L E S	Analyses										Comments
Sampled by <u>P. Scamard / L. Hawerlin</u>				Module#		SW-541-17										
RQ# <u>2023-02-20-07</u>		Site Name <u>Indian River State College</u>														
Field ID	Matrix	Date	Time	Bottle Group												
DEPMW-50(7-17)	W	2/28/23	1100	A	2	X										
DEPMW-24(7-17)	W	3/3/23	1230	A	2	X										
FRB-23	W	3/3/23	1120	C	2	X										
DEPMW-20(7-17)	W	3/3/23	1105	A	2	X										
DEPMW-9(7-17)	W	3/2/23	1132	A	2	X										
DEPMW-4(7-17)	W	3/2/23	1601	A	2	X										
DEPMW-36(40-50)	W	3/3/23	1301	A	2	X										
DEPMW-33(40-50)	W	3/1/23	1045	A	2	X										
DEPMW-22(7-17)	W	3/1/23	1145	A	2	X										
DEPMW-31(40-50)	W	3/3/23	1003	A	2	X										Lab QA/QC
DEPMW-59(40-50)	W	3/1/23	1253	A	2	X										
DEPMW-54(7-17)	W	3/1/23	1226	A	2	X										
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time						
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time						
Relinquished by:		Date/Time		Method of Dispatch		Received by:				Date/Time						

Remarks:

Preservative Sticker 1

Preservative Sticker 2

Preservative Sticker 3

Preservative Sticker 4

Chain of Custody Record

Page 6 of 6

Project Name					# B O T T L E S	Analyses										Comments		
Sampled by																		
RQ#					Site Name										Comments			
Field ID					Matrix	Date	Time	Bottle Group										
Indian River State College																		
D. Sizemore / L. Navarlinga																		
RQ 2023-02-20-07					Indian River State College													
DEPMW-41 (7-17)					W	2/28/23	955	A	2	X								
DEPMW-56 (7-17)					W	2/28/23	1527	A	2	X								
DEPMW-2 (7-17)					W	2/2/23	1506	A	4	X								Lab QA/QC
DEPMW-13 (40-50)					W	3/2/23	1407	A	2	Y								
DEPMW-55 (7-17)					W	3/2/23	1324	A	2	Y								
DEPMW-30 (7-17)					W	2/28/23	1228	A	2	X								
DEPMW-29 (9-19)					W	2/28/23	1149	A	2	X								
DEPMW-42 (25-35)					W	3/1/23	1441	A	2	Y								
DEPMW-57 (7-17)					W	3/1/23	1532	A	2	Y								
DEPMW-15 (40-50)					W	3/2/23	1530	A	2	X								
DEPMW-1 (5-15)					W	3/2/23	1430	A	2	X								
Relinquished by:					Date/Time		Method of Dispatch			Received by:			Date/Time					
Relinquished by:					Date/Time		Method of Dispatch			Received by:			Date/Time					
Relinquished by:					Date/Time		Method of Dispatch			Received by:			Date/Time					

Remarks:

Preservative Sticker 1

Preservative Sticker 2

Preservative Sticker 3

Preservative Sticker 4

Page 1 of 1

[illegible]

Remarks:

Preservative Sticker 4

APPENDIX D

Laboratory Analytical Reports

Chemical Analysis Report

SIS-2023-02-21-01

Florida DEP Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

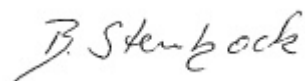
Event Description: **Indian River State College**
Request ID: **RQ-2023-02-20-07**
Customer: **SIS**
Project ID: **SIS-PFAS**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Road
Twin Towers Bldg. MS# 4515
Tallahassee, FL 32399
Attn: Brandie Stringer

For additional information please contact
Colin Wright, Ph.D.
Chris Bowen, B.S.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Dr. rer. nat. Bettina Steinbock, Environmental Administrator

Date Certified: 24-MAR-2023 16:08



Case Narrative

Unless otherwise noted, all samples included in this report were received in accordance with protocols referenced in Chapter 62-160, Florida Administrative Code (F.A.C.). Results published in this report pertain only to the samples as submitted to, and received by the laboratory. All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Results for the following analytical group are included in this report: Pesticides.

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example: 1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited by the Florida Department of Health Environmental Laboratory Certification Program or where accreditation for that field of testing is not applicable.

Any significant anomalies or deviations from established protocols are documented in Non-Conformance Reports, which, where appropriate, are included within this analytical report. Additional comments related to specific analytical tests may be included as remarks following the analytical results for each sample. Such comments and remarks are for informational purposes only and are not intended to convey judgement about the usability of the reported data.

A quality control report on the performance of the test method for the submitted samples is included. Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published quality control acceptance limits for each analytical test. Matrix quality control results (matrix spike recoveries and matrix sample precision) pertain only to the matrix sample tested and do not necessarily reflect test method performance for other samples.

Typical matrix quality control (QC) measurements may include matrix spike recovery, matrix spike duplicate recovery, matrix spike precision and matrix sample precision. Not all matrix QC results may be available or reportable; where they are not an explanation is provided. Typical reasons for unavailable QC results include, but are not limited to, a) insufficient matrix sample to perform some or all QC measurements; b) analyte concentration in the sample replicated was too low for a meaningful measurement of precision and c) analyte concentration in the matrix sample spiked was too high (relative to the amount of analyte spiked) for a meaningful measurement of recovery. Where matrix QC results are unavailable, other method performance metrics (e.g., LCS recovery, LCS precision, surrogate recovery) may be used to assess performance of the method. Comments explaining any missing QC measurements are not intended to convey any adverse conclusions about the quality of the reported data.

Precision is reported as relative percent difference unless otherwise noted.

Quality Control codes as defined below may be used in this report to indicate results that are associated with one or more quality control elements which did not fall within established test method criteria. Such results may be qualified as estimates using a J qualifier as required by 62-160 F.A.C. Explanations are included in the report for any results that were reported as estimates for other reasons.

QC Codes used in this report may include:

- LCS – Recovery for the batch Laboratory Control Sample (LCS) was outside existing control limits;
- MS – Recovery for the batch matrix spike (MS) was outside existing control limits;
- CCV – Recovery for a continuing calibration verification (CCV) standard was outside existing control limits;
- SUR – Recovery of a surrogate (SUR) for associated analytes was outside existing control limits;
- RPD – The precision, measured as relative percent difference (RPD), of batch replicate measurements was outside existing control limits;
- RSD – The precision, measured as relative standard deviation (RSD), of batch replicate measurements was outside existing control limits;
- SMP – Sample - used precision derived from replicate analyses of a sample;

The following data qualifiers are used, where applicable, in this report as specified in 62-160 F.A.C.

- A - Value reported is the mean of two or more determinations.
- B - Results based on colony counts outside the acceptable range.
- I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J - Estimated value and/or the analysis did not meet established quality control criteria.
- K - Actual value is known to be less than value given.
- L - Actual value is known to be greater than value given.
- N - Presumptive evidence of presence of material.
- O - Sampled, but analysis lost or not performed.
- Q - Sample held beyond normal holding time.
- T - Value reported is less than the criterion of detection.
- U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
- V - Analyte was detected in both sample and method blank.
- X - Too few individuals to calculate SCI value.
- Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z - Colonies were too numerous to count (TNTC).

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 11:54

Field ID: SB-80 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388726	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.11	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.44	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.44	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.22	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.22	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.11	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.22	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.22	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	1.2		ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.22	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.22	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.22	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.22	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.22	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.11	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.11	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.11	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.11	U	ug/Kg	P426182	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.11	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.22	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.22	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.22	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.8	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.22	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.11	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.11	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.44	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.22	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.22	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.22	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.22	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.22	U	ug/Kg	P426182	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	0.89	UJ	ug/Kg	P426182	MS, RPD

Field ID: SB-80 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388754	SM 2540 G (20th)	% Solid	91.6	A	%	P426353	

Ref. Method and Comment:
DEP SOP: LC-001-3: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 11:56

Field ID: SB-80 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388727	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.11	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.46	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.46	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.23	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.23	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.11	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.23	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.23	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	1.4		ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.23	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.23	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.23	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.23	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.23	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.11	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.11	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.11	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.11	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.11	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.23	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.23	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.23	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.8	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.23	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.11	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.11	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.46	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.23	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.23	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.23	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.23	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.23	U	ug/Kg	P426182	
		Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.91	U	ug/Kg	P426182	MS, RPD

Field ID: SB-80 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388755	SM 2540 G (20th)	% Solid	92.1		%	P426353	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 11:58

Field ID: SB-80 (2-4)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388728	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.12	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.47	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.47	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.24	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.24	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.12	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.24	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.24	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	1.5		ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.24	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.24	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.24	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.24	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.24	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.12	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.12	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.12	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.12	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.12	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.24	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.24	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.24	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.9	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.24	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.12	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.47	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.24	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.24	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.24	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.24	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.24	U	ug/Kg	P426182	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.95	U	ug/Kg	P426182	MS, RPD

Field ID: SB-80 (2-4)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388756	SM 2540 G (20th)	% Solid	89.3		%	P426353	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 12:00

Field ID: SB-80 (5-7)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388729	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.11	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.45	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.45	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.23	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.23	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.11	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.23	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.23	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	0.89	I	ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.23	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.23	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.23	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.23	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.23	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.11	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.11	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.11	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.11	U	ug/Kg	P426182	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.11	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.23	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.23	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.23	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.8	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.23	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.11	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.11	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.45	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.23	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.23	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.23	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.23	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.23	U	ug/Kg	P426182	
		Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	0.90	U	ug/Kg	P426182	MS, RPD

Field ID: SB-80 (5-7)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388757	SM 2540 G (20th)	% Solid	91.9		%	P426353	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 12:02

Field ID: SB-80 (8-10)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388730	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.14	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.57	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.57	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.28	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.28	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.14	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.28	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.28	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	0.44	I	ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.28	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.28	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.28	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.28	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.28	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.14	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.14	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.14	U	ug/Kg	P426182	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.14	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.14	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.14	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.14	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.28	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.28	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.28	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.3	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.28	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.57	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.28	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.28	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.28	U	ug/Kg	P426182	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.1	U	ug/Kg	P426182	MS, RPD

Field ID: SB-80 (8-10)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388758	SM 2540 G (20th)	% Solid	77.8		%	P426353	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 12:20

Field ID: SB-83 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388731	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.13	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.50	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.50	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.25	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.25	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.13	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.25	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.25	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	2.3		ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.25	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.25	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.25	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.25	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.25	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.13	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.13	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.13	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.13	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.13	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.13	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.13	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.25	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.25	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.25	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.0	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.25	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.50	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.25	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.25	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.25	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.25	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.25	U	ug/Kg	P426182	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	1.0	U	ug/Kg	P426182	MS, RPD

Field ID: SB-83 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388759	SM 2540 G (20th)	% Solid	85.8		%	P426353	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 12:22

Field ID: SB-83 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388732	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.12	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.50	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.50	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.25	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.25	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.12	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.25	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.25	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	0.84	I	ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.25	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.25	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.25	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.25	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.25	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.12	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.12	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.12	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.12	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.12	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.25	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.25	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.25	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.0	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.25	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.12	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.50	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.25	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.25	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.25	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.25	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.25	U	ug/Kg	P426182	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.0	U	ug/Kg	P426182	MS, RPD

Field ID: SB-83 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388760	SM 2540 G (20th)	% Solid	86.5		%	P426353	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 12:24

Field ID: SB-83 (2-4)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388733	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.12	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.46	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.46	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.23	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.23	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.12	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.23	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.23	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	0.33	I	ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.23	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.23	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.23	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.23	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.23	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.12	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.12	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.12	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.12	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.12	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.23	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.23	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.23	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.8	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.23	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.12	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.46	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.23	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.23	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.23	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.23	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.23	U	ug/Kg	P426182	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	0.92	U	ug/Kg	P426182	MS, RPD

Field ID: SB-83 (2-4)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388761	SM 2540 G (20th)	% Solid	90.1		%	P426353	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 12:28

Field ID: SB-83 (5-7)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388734	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.13	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.53	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.53	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.27	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.27	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.13	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.27	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.27	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	0.39	I	ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.27	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.27	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.27	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.27	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.27	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.13	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.13	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.13	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.13	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.13	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.13	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.13	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.27	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.27	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.27	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.1	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.27	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.53	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.27	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.27	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.27	U	ug/Kg	P426182	
		Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	1.1	U	ug/Kg	P426182	MS, RPD

Field ID: SB-83 (5-7)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388762	SM 2540 G (20th)	% Solid	82.9		%	P426353	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 12:30

Field ID: SB-83 (8-10)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388735	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.13	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.52	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.52	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.26	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.26	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.13	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.26	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.26	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	0.26	U	ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.26	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.26	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.26	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.26	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.26	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.13	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.13	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.13	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.13	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.13	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.13	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.13	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.26	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.26	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.26	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.1	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.26	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.52	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.26	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.26	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.26	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.26	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.26	U	ug/Kg	P426182	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.0	U	ug/Kg	P426182	MS, RPD

Field ID: SB-83 (8-10)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388763	SM 2540 G (20th)	% Solid	83.5		%	P426353	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 12:36

Field ID: SB-81 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388736	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.11	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.44	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.44	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.22	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.22	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.11	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.22	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.22	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	0.49	I	ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.22	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.22	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.22	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.22	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.22	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.11	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.11	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.11	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.11	U	ug/Kg	P426182	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.11	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.22	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.22	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.22	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.8	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.22	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.11	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.11	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.44	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.22	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.22	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.22	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.22	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.22	U	ug/Kg	P426182	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	0.89	U	ug/Kg	P426182	MS, RPD

Field ID: SB-81 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388764	SM 2540 G (20th)	% Solid	93.7	A	%	P426354	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 12:38

Field ID: SB-81 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388737	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.11	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.45	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.45	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.23	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.23	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.11	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.23	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.23	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	1.0		ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.23	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.23	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.23	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.23	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.23	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.11	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.11	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.11	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.11	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.11	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.11	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.23	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.23	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.23	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.8	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.23	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.11	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.11	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.45	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	0.23	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.23	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.23	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.23	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.23	U	ug/Kg	P426182	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.91	U	ug/Kg	P426182	MS, RPD

Field ID: SB-81 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388765	SM 2540 G (20th)	% Solid	91.7		%	P426354	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 12:40

Field ID: SB-81 (2-4)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388738	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.12	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.47	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.47	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.24	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.24	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.12	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.24	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.24	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	1.5		ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.24	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.24	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.24	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.24	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.24	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.12	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.12	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.12	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.12	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.12	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.24	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.24	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.24	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.9	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.24	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.12	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.47	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.24	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.24	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.24	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.24	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.24	U	ug/Kg	P426182	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.94	U	ug/Kg	P426182	MS, RPD

Field ID: SB-81 (2-4)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388766	SM 2540 G (20th)	% Solid	90.1		%	P426354	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 12:42

Field ID: SB-81 (5-7)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388739	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.12	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.49	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.49	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.25	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.25	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.12	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.25	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.25	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	0.88	I	ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.25	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.25	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.25	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.25	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.25	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.12	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.12	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.12	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.12	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.12	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.25	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.25	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.25	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.0	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.25	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.12	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.49	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.25	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.25	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.25	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.25	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.25	U	ug/Kg	P426182	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.99	U	ug/Kg	P426182	MS, RPD

Field ID: SB-81 (5-7)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388767	SM 2540 G (20th)	% Solid	85.4		%	P426354	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 12:44

Field ID: SB-81 (8-10)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388740	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.14	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.55	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.55	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.27	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.27	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.14	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.27	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.27	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	0.29	I	ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.27	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.27	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.27	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.27	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.27	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.14	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.14	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.14	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.14	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.14	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.14	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.14	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.27	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.27	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.27	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.2	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.27	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.55	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.27	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.27	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.27	U	ug/Kg	P426182	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.1	U	ug/Kg	P426182	MS, RPD

Field ID: SB-81 (8-10)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388768	SM 2540 G (20th)	% Solid	80.8		%	P426354	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 13:06

Field ID: SB-82 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388741	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.12	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.46	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.46	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.23	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.23	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.12	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.23	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.23	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	2.1		ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.23	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.23	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.23	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.23	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.23	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.12	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.12	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.12	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.12	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.12	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.23	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.23	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.23	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.8	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.23	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.12	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.46	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.23	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.23	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.23	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.23	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.23	U	ug/Kg	P426182	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	0.92	U	ug/Kg	P426182	MS, RPD

Field ID: SB-82 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388769	SM 2540 G (20th)	% Solid	90.5		%	P426354	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 13:08

Field ID: SB-82 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388742	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.12	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.48	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.48	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.24	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.24	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.12	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.24	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.24	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	1.5		ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.24	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.24	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.24	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.24	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.24	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.12	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.12	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.12	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.12	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.12	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.24	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.24	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.24	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.9	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.24	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.12	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.48	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.24	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.24	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.24	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.24	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.24	U	ug/Kg	P426182	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	0.96	U	ug/Kg	P426182	MS, RPD

Field ID: SB-82 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388770	SM 2540 G (20th)	% Solid	88.8		%	P426354	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 13:10

Field ID: SB-82 (2-4)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388743	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.12	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.47	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.47	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.23	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.23	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.12	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.23	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.23	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	1.6		ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.23	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.23	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.23	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.23	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.23	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.12	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.12	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.12	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.12	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.12	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.23	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.23	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.23	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.9	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.23	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.12	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.47	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.23	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.23	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.23	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.23	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.23	U	ug/Kg	P426182	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	0.93	U	ug/Kg	P426182	MS, RPD

Field ID: SB-82 (2-4)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388771	SM 2540 G (20th)	% Solid	90.5		%	P426354	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 13:12

Field ID: SB-82 (5-7)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388744	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.12	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.48	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.48	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.24	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.24	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.12	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.24	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.24	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	2.4		ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.24	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.24	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.24	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.24	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.24	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.12	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.12	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.12	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.12	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.12	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.12	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.24	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.24	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.24	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.9	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.24	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.12	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.48	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.24	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.24	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.24	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.24	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.24	U	ug/Kg	P426182	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	0.97	U	ug/Kg	P426182	MS, RPD

Field ID: SB-82 (5-7)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388772	SM 2540 G (20th)	% Solid	87.0		%	P426354	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 13:14

Field ID: SB-82 (8-10)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388745	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.13	U	ug/Kg	P426182	
		Perfluorobutanoic acid (PFBA)	0.53	U	ug/Kg	P426182	
		Perfluorodecanoic acid (PFDA)	0.53	U	ug/Kg	P426182	
		Perfluorododecanoic acid (PFDoA)	0.26	U	ug/Kg	P426182	
		Perfluoroheptanoic acid (PFHpA)	0.26	U	ug/Kg	P426182	
		Perfluorohexanesulfonic acid (PFHxS)	0.13	U	ug/Kg	P426182	
		Perfluorohexanoic acid (PFHxA)	0.26	U	ug/Kg	P426182	
		Perfluorononanoic acid (PFNA)	0.26	U	ug/Kg	P426182	
		Perfluorooctanesulfonic acid (PFOS)	0.99	I	ug/Kg	P426182	
		Perfluorooctanoic acid (PFOA)	0.26	U	ug/Kg	P426182	
		Perfluorotetradecanoic acid (PFTeA)	0.26	U	ug/Kg	P426182	
		Perfluorotridecanoic acid (PFTriA)	0.26	U	ug/Kg	P426182	
		Perfluoroundecanoic acid (PFUnA)	0.26	U	ug/Kg	P426182	
		Perfluoropentanoic acid (PFPeA)	0.26	U	ug/Kg	P426182	
		Perfluoropentanesulfonic acid (PFPeS)	0.13	U	ug/Kg	P426182	
		Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	ug/Kg	P426182	
		Perfluorononanesulfonic acid (PFNS)	0.13	U	ug/Kg	P426182	
		Perfluorodecanesulfonic acid (PFDS)	0.13	U	ug/Kg	P426182	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.13	U	ug/Kg	P426182	
		Perfluoro-1-butane sulfonamide (FBSA)	0.13	U	ug/Kg	P426182	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.13	U	ug/Kg	P426182	
		Perfluoro-1-octane sulfonamide (FOSA)	0.13	U	ug/Kg	P426182	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.26	U	ug/Kg	P426182	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.26	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.26	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.1	U	ug/Kg	P426182	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.26	U	ug/Kg	P426182	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	ug/Kg	P426182	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	ug/Kg	P426182	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.53	U	ug/Kg	P426182	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.26	U	ug/Kg	P426182	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.26	U	ug/Kg	P426182	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.26	U	ug/Kg	P426182	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.26	U	ug/Kg	P426182	
		Perfluoropropanesulfonic acid (PFPrS)	0.26	U	ug/Kg	P426182	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	1.1	U	ug/Kg	P426182	MS, RPD

Field ID: SB-82 (8-10)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388773	SM 2540 G (20th)	% Solid	81.8		%	P426354	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 13:14

Field ID: EQB-64

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388753	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P426159	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P426159	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P426159	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P426159	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P426159	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P426159	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P426159	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P426159	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P426159	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P426159	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P426159	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P426159	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P426159	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P426159	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P426159	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P426159	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P426159	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P426159	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P426159	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P426159	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P426159	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	UJ	ng/L	P426159	LCS
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P426159	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P426159	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P426159	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P426159	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P426159	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P426159	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P426159	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P426159	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P426159	

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
Ref. Method and Comment:							
DEP SOP: LC-001-3: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.							

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 13:17

Field ID: SB-79 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388746	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.11	U	ug/Kg	P426183	RPD
		Perfluorobutanoic acid (PFBA)	0.45	U	ug/Kg	P426183	
		Perfluorodecanoic acid (PFDA)	0.45	U	ug/Kg	P426183	
		Perfluorododecanoic acid (PFDoA)	0.23	U	ug/Kg	P426183	
		Perfluoroheptanoic acid (PFHpA)	0.23	U	ug/Kg	P426183	
		Perfluorohexanesulfonic acid (PFHxS)	0.11	U	ug/Kg	P426183	
		Perfluorohexanoic acid (PFHxA)	0.23	U	ug/Kg	P426183	
		Perfluorononanoic acid (PFNA)	0.23	U	ug/Kg	P426183	
		Perfluorooctanesulfonic acid (PFOS)	0.42	I	ug/Kg	P426183	
		Perfluorooctanoic acid (PFOA)	0.23	U	ug/Kg	P426183	
		Perfluorotetradecanoic acid (PFTeA)	0.23	U	ug/Kg	P426183	
		Perfluorotridecanoic acid (PFTriA)	0.23	U	ug/Kg	P426183	
		Perfluoroundecanoic acid (PFUnA)	0.23	U	ug/Kg	P426183	
		Perfluoropentanoic acid (PFPeA)	0.23	U	ug/Kg	P426183	
		Perfluoropentanesulfonic acid (PFPeS)	0.11	U	ug/Kg	P426183	
		Perfluoroheptanesulfonic acid (PFHpS)	0.11	U	ug/Kg	P426183	
		Perfluorononanesulfonic acid (PFNS)	0.11	U	ug/Kg	P426183	
		Perfluorodecanesulfonic acid (PFDS)	0.11	U	ug/Kg	P426183	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-butane sulfonamide (FBSA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-octane sulfonamide (FOSA)	0.11	U	ug/Kg	P426183	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.23	U	ug/Kg	P426183	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.23	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.23	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.8	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.23	U	ug/Kg	P426183	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.11	U	ug/Kg	P426183	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.11	U	ug/Kg	P426183	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.45	U	ug/Kg	P426183	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.23	U	ug/Kg	P426183	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.23	U	ug/Kg	P426183	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.23	U	ug/Kg	P426183	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.23	U	ug/Kg	P426183	
		Perfluoropropanesulfonic acid (PFPrS)	0.23	U	ug/Kg	P426183	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.90	U	ug/Kg	P426183	

Field ID: SB-79 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388775	SM 2540 G (20th)	% Solid	92.1	A	%	P426357	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 13:19

Field ID: SB-79 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388747	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.12	U	ug/Kg	P426183	RPD
		Perfluorobutanoic acid (PFBA)	0.48	U	ug/Kg	P426183	
		Perfluorodecanoic acid (PFDA)	0.48	U	ug/Kg	P426183	
		Perfluorododecanoic acid (PFDoA)	0.24	U	ug/Kg	P426183	
		Perfluoroheptanoic acid (PFHpA)	0.24	U	ug/Kg	P426183	
		Perfluorohexanesulfonic acid (PFHxS)	0.12	U	ug/Kg	P426183	
		Perfluorohexanoic acid (PFHxA)	0.24	U	ug/Kg	P426183	
		Perfluorononanoic acid (PFNA)	0.24	U	ug/Kg	P426183	
		Perfluorooctanesulfonic acid (PFOS)	0.24	U	ug/Kg	P426183	
		Perfluorooctanoic acid (PFOA)	0.24	U	ug/Kg	P426183	
		Perfluorotetradecanoic acid (PFTeA)	0.24	U	ug/Kg	P426183	
		Perfluorotridecanoic acid (PFTriA)	0.24	U	ug/Kg	P426183	
		Perfluoroundecanoic acid (PFUnA)	0.24	U	ug/Kg	P426183	
		Perfluoropentanoic acid (PFPeA)	0.24	U	ug/Kg	P426183	
		Perfluoropentanesulfonic acid (PFPeS)	0.12	U	ug/Kg	P426183	
		Perfluoroheptanesulfonic acid (PFHpS)	0.12	U	ug/Kg	P426183	
		Perfluorononanesulfonic acid (PFNS)	0.12	U	ug/Kg	P426183	
		Perfluorodecanesulfonic acid (PFDS)	0.12	U	ug/Kg	P426183	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.12	U	ug/Kg	P426183	
		Perfluoro-1-butane sulfonamide (FBSA)	0.12	U	ug/Kg	P426183	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.12	U	ug/Kg	P426183	
		Perfluoro-1-octane sulfonamide (FOSA)	0.12	U	ug/Kg	P426183	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.24	U	ug/Kg	P426183	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.24	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.24	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.9	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.24	U	ug/Kg	P426183	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	U	ug/Kg	P426183	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.12	U	ug/Kg	P426183	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.48	U	ug/Kg	P426183	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.24	U	ug/Kg	P426183	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.24	U	ug/Kg	P426183	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.24	U	ug/Kg	P426183	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.24	U	ug/Kg	P426183	
		Perfluoropropanesulfonic acid (PFPrS)	0.24	U	ug/Kg	P426183	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.95	U	ug/Kg	P426183	

Field ID: SB-79 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388776	SM 2540 G (20th)	% Solid	89.2		%	P426357	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 13:21

Field ID: SB-79 (2-4)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388748	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.12	U	ug/Kg	P426183	RPD
		Perfluorobutanoic acid (PFBA)	0.48	U	ug/Kg	P426183	
		Perfluorodecanoic acid (PFDA)	0.48	U	ug/Kg	P426183	
		Perfluorododecanoic acid (PFDoA)	0.24	U	ug/Kg	P426183	
		Perfluoroheptanoic acid (PFHpA)	0.24	U	ug/Kg	P426183	
		Perfluorohexanesulfonic acid (PFHxS)	0.12	U	ug/Kg	P426183	
		Perfluorohexanoic acid (PFHxA)	0.24	U	ug/Kg	P426183	
		Perfluorononanoic acid (PFNA)	0.24	U	ug/Kg	P426183	
		Perfluorooctanesulfonic acid (PFOS)	0.43	I	ug/Kg	P426183	
		Perfluorooctanoic acid (PFOA)	0.24	U	ug/Kg	P426183	
		Perfluorotetradecanoic acid (PFTeA)	0.24	U	ug/Kg	P426183	
		Perfluorotridecanoic acid (PFTriA)	0.24	U	ug/Kg	P426183	
		Perfluoroundecanoic acid (PFUnA)	0.24	U	ug/Kg	P426183	
		Perfluoropentanoic acid (PFPeA)	0.24	U	ug/Kg	P426183	
		Perfluoropentanesulfonic acid (PFPeS)	0.12	U	ug/Kg	P426183	
		Perfluoroheptanesulfonic acid (PFHpS)	0.12	U	ug/Kg	P426183	
		Perfluorononanesulfonic acid (PFNS)	0.12	U	ug/Kg	P426183	
		Perfluorodecanesulfonic acid (PFDS)	0.12	U	ug/Kg	P426183	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.12	U	ug/Kg	P426183	
		Perfluoro-1-butane sulfonamide (FBSA)	0.12	U	ug/Kg	P426183	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.12	U	ug/Kg	P426183	
		Perfluoro-1-octane sulfonamide (FOSA)	0.12	U	ug/Kg	P426183	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.24	U	ug/Kg	P426183	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.24	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.24	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.9	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.24	U	ug/Kg	P426183	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	U	ug/Kg	P426183	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.12	U	ug/Kg	P426183	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.48	U	ug/Kg	P426183	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.24	U	ug/Kg	P426183	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.24	U	ug/Kg	P426183	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.24	U	ug/Kg	P426183	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.24	U	ug/Kg	P426183	
		Perfluoropropanesulfonic acid (PFPrS)	0.24	U	ug/Kg	P426183	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.96	U	ug/Kg	P426183	

Field ID: SB-79 (2-4)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388777	SM 2540 G (20th)	% Solid	88.3		%	P426357	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 13:23

Field ID: SB-79 (5-7)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388821	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.13	U	ug/Kg	P426183	RPD
		Perfluorobutanoic acid (PFBA)	0.53	U	ug/Kg	P426183	
		Perfluorodecanoic acid (PFDA)	0.53	U	ug/Kg	P426183	
		Perfluorododecanoic acid (PFDoA)	0.26	U	ug/Kg	P426183	
		Perfluoroheptanoic acid (PFHpA)	0.26	U	ug/Kg	P426183	
		Perfluorohexanesulfonic acid (PFHxS)	0.13	U	ug/Kg	P426183	
		Perfluorohexanoic acid (PFHxA)	0.26	U	ug/Kg	P426183	
		Perfluorononanoic acid (PFNA)	0.26	U	ug/Kg	P426183	
		Perfluorooctanesulfonic acid (PFOS)	0.38	I	ug/Kg	P426183	
		Perfluorooctanoic acid (PFOA)	0.26	U	ug/Kg	P426183	
		Perfluorotetradecanoic acid (PFTeA)	0.26	U	ug/Kg	P426183	
		Perfluorotridecanoic acid (PFTriA)	0.26	U	ug/Kg	P426183	
		Perfluoroundecanoic acid (PFUnA)	0.26	U	ug/Kg	P426183	
		Perfluoropentanoic acid (PFPeA)	0.26	U	ug/Kg	P426183	
		Perfluoropentanesulfonic acid (PFPeS)	0.13	U	ug/Kg	P426183	
		Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	ug/Kg	P426183	
		Perfluorononanesulfonic acid (PFNS)	0.13	U	ug/Kg	P426183	
		Perfluorodecanesulfonic acid (PFDS)	0.13	U	ug/Kg	P426183	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.13	U	ug/Kg	P426183	
		Perfluoro-1-butane sulfonamide (FBSA)	0.13	U	ug/Kg	P426183	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.13	U	ug/Kg	P426183	
		Perfluoro-1-octane sulfonamide (FOSA)	0.13	U	ug/Kg	P426183	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.26	U	ug/Kg	P426183	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.26	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.26	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.1	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.26	U	ug/Kg	P426183	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	ug/Kg	P426183	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	ug/Kg	P426183	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.53	U	ug/Kg	P426183	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.26	U	ug/Kg	P426183	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.26	U	ug/Kg	P426183	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.26	U	ug/Kg	P426183	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.26	U	ug/Kg	P426183	
		Perfluoropropanesulfonic acid (PFPrS)	0.26	U	ug/Kg	P426183	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.1	U	ug/Kg	P426183	

Field ID: SB-79 (5-7)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388841	SM 2540 G (20th)	% Solid	83.4		%	P426357	

Sample Location: Indian River State College

Collection Date/Time: 02/13/2023 13:25

Field ID: SB-79 (8-10)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388822	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.13	U	ug/Kg	P426183	RPD
		Perfluorobutanoic acid (PFBA)	0.53	U	ug/Kg	P426183	
		Perfluorodecanoic acid (PFDA)	0.53	UJ	ug/Kg	P426183	
		Perfluorododecanoic acid (PFDoA)	0.26	U	ug/Kg	P426183	
		Perfluoroheptanoic acid (PFHpA)	0.26	U	ug/Kg	P426183	
		Perfluorohexanesulfonic acid (PFHxS)	0.13	U	ug/Kg	P426183	
		Perfluorohexanoic acid (PFHxA)	0.26	U	ug/Kg	P426183	
		Perfluorononanoic acid (PFNA)	0.26	U	ug/Kg	P426183	
		Perfluorooctanesulfonic acid (PFOS)	0.26	U	ug/Kg	P426183	
		Perfluorooctanoic acid (PFOA)	0.26	U	ug/Kg	P426183	
		Perfluorotetradecanoic acid (PFTeA)	0.26	U	ug/Kg	P426183	
		Perfluorotridecanoic acid (PFTriA)	0.26	U	ug/Kg	P426183	
		Perfluoroundecanoic acid (PFUnA)	0.26	U	ug/Kg	P426183	
		Perfluoropentanoic acid (PFPeA)	0.26	U	ug/Kg	P426183	
		Perfluoropentanesulfonic acid (PFPeS)	0.13	U	ug/Kg	P426183	
		Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	ug/Kg	P426183	
		Perfluorononanesulfonic acid (PFNS)	0.13	U	ug/Kg	P426183	
		Perfluorodecanesulfonic acid (PFDS)	0.13	U	ug/Kg	P426183	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.13	U	ug/Kg	P426183	
		Perfluoro-1-butane sulfonamide (FBSA)	0.13	U	ug/Kg	P426183	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.13	U	ug/Kg	P426183	
		Perfluoro-1-octane sulfonamide (FOSA)	0.13	U	ug/Kg	P426183	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.26	U	ug/Kg	P426183	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.26	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.26	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.1	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.26	U	ug/Kg	P426183	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	ug/Kg	P426183	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	ug/Kg	P426183	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.53	U	ug/Kg	P426183	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.26	U	ug/Kg	P426183	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.26	U	ug/Kg	P426183	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.26	U	ug/Kg	P426183	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.26	U	ug/Kg	P426183	
		Perfluoropropanesulfonic acid (PFPrS)	0.26	U	ug/Kg	P426183	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.1	U	ug/Kg	P426183	

Field ID: SB-79 (8-10)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388842	SM 2540 G (20th)	% Solid	83.2		%	P426357	

Ref. Method and Comment:
DEP SOP: LC-001-3: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 09:22

Field ID: EQB-66

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388837	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P426159	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P426159	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P426159	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P426159	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P426159	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P426159	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P426159	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P426159	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P426159	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P426159	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P426159	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P426159	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P426159	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P426159	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P426159	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P426159	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P426159	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P426159	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P426159	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P426159	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P426159	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	UJ	ng/L	P426159	LCS
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P426159	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P426159	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P426159	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P426159	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P426159	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P426159	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P426159	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P426159	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P426159	

Field ID: EQB-66

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 10:58

Field ID: EQB-67

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388838	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P426159	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P426159	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P426159	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P426159	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P426159	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P426159	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P426159	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P426159	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P426159	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P426159	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P426159	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P426159	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P426159	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P426159	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P426159	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P426159	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P426159	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P426159	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P426159	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P426159	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P426159	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	UJ	ng/L	P426159	LCS
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P426159	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P426159	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P426159	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P426159	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P426159	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P426159	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P426159	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P426159	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P426159	

Field ID: EQB-67

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 11:30

Field ID: FRB-22

Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388835	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P426159	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P426159	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P426159	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P426159	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P426159	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P426159	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P426159	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P426159	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P426159	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P426159	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P426159	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P426159	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P426159	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P426159	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P426159	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P426159	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P426159	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P426159	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P426159	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P426159	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P426159	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	UJ	ng/L	P426159	LCS
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P426159	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P426159	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P426159	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	0.80	U	ng/L	P426159	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P426159	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P426159	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P426159	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P426159	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P426159	

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 12:21

Field ID: EQB-65

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388839	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P426159	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P426159	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P426159	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P426159	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P426159	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P426159	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P426159	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P426159	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P426159	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P426159	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P426159	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P426159	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P426159	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P426159	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P426159	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P426159	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P426159	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P426159	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P426159	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P426159	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P426159	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	UJ	ng/L	P426159	LCS
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P426159	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P426159	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P426159	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P426159	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P426159	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P426159	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P426159	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P426159	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P426159	

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:

DEP SOP: LC-001-3: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 12:38

Field ID: SB-87 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388823	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.12	U	ug/Kg	P426183	RPD
		Perfluorobutanoic acid (PFBA)	0.49	U	ug/Kg	P426183	
		Perfluorodecanoic acid (PFDA)	0.49	U	ug/Kg	P426183	
		Perfluorododecanoic acid (PFDoA)	0.25	U	ug/Kg	P426183	
		Perfluoroheptanoic acid (PFHpA)	0.25	U	ug/Kg	P426183	
		Perfluorohexanesulfonic acid (PFHxS)	0.12	U	ug/Kg	P426183	
		Perfluorohexanoic acid (PFHxA)	0.25	U	ug/Kg	P426183	
		Perfluorononanoic acid (PFNA)	0.25	U	ug/Kg	P426183	
		Perfluorooctanesulfonic acid (PFOS)	1.4		ug/Kg	P426183	
		Perfluorooctanoic acid (PFOA)	0.25	U	ug/Kg	P426183	
		Perfluorotetradecanoic acid (PFTeA)	0.25	U	ug/Kg	P426183	
		Perfluorotridecanoic acid (PFTriA)	0.25	U	ug/Kg	P426183	
		Perfluoroundecanoic acid (PFUnA)	0.25	U	ug/Kg	P426183	
		Perfluoropentanoic acid (PFPeA)	0.25	U	ug/Kg	P426183	
		Perfluoropentanesulfonic acid (PFPeS)	0.12	U	ug/Kg	P426183	
		Perfluoroheptanesulfonic acid (PFHpS)	0.12	U	ug/Kg	P426183	
		Perfluorononanesulfonic acid (PFNS)	0.12	U	ug/Kg	P426183	
		Perfluorodecanesulfonic acid (PFDS)	0.12	U	ug/Kg	P426183	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.12	U	ug/Kg	P426183	
		Perfluoro-1-butane sulfonamide (FBSA)	0.12	U	ug/Kg	P426183	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.12	U	ug/Kg	P426183	
		Perfluoro-1-octane sulfonamide (FOSA)	0.12	U	ug/Kg	P426183	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.25	U	ug/Kg	P426183	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.25	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.25	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.0	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.25	U	ug/Kg	P426183	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	U	ug/Kg	P426183	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.12	U	ug/Kg	P426183	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.49	U	ug/Kg	P426183	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.25	U	ug/Kg	P426183	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.25	U	ug/Kg	P426183	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.25	U	ug/Kg	P426183	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.25	U	ug/Kg	P426183	
		Perfluoropropanesulfonic acid (PFPrS)	0.25	U	ug/Kg	P426183	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.99	U	ug/Kg	P426183	

Field ID: SB-87 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388847	SM 2540 G (20th)	% Solid	86.7		%	P426357	

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 12:40

Field ID: SB-87 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388824	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.12	U	ug/Kg	P426183	RPD
		Perfluorobutanoic acid (PFBA)	0.48	U	ug/Kg	P426183	
		Perfluorodecanoic acid (PFDA)	0.48	U	ug/Kg	P426183	
		Perfluorododecanoic acid (PFDoA)	0.24	U	ug/Kg	P426183	
		Perfluoroheptanoic acid (PFHpA)	0.24	U	ug/Kg	P426183	
		Perfluorohexanesulfonic acid (PFHxS)	0.12	U	ug/Kg	P426183	
		Perfluorohexanoic acid (PFHxA)	0.24	U	ug/Kg	P426183	
		Perfluorononanoic acid (PFNA)	0.24	U	ug/Kg	P426183	
		Perfluorooctanesulfonic acid (PFOS)	2.7		ug/Kg	P426183	
		Perfluorooctanoic acid (PFOA)	0.24	U	ug/Kg	P426183	
		Perfluorotetradecanoic acid (PFTeA)	0.24	U	ug/Kg	P426183	
		Perfluorotridecanoic acid (PFTriA)	0.24	U	ug/Kg	P426183	
		Perfluoroundecanoic acid (PFUnA)	0.24	U	ug/Kg	P426183	
		Perfluoropentanoic acid (PFPeA)	0.24	U	ug/Kg	P426183	
		Perfluoropentanesulfonic acid (PFPeS)	0.12	U	ug/Kg	P426183	
		Perfluoroheptanesulfonic acid (PFHpS)	0.12	U	ug/Kg	P426183	
		Perfluorononanesulfonic acid (PFNS)	0.12	U	ug/Kg	P426183	
		Perfluorodecanesulfonic acid (PFDS)	0.12	U	ug/Kg	P426183	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.12	U	ug/Kg	P426183	
		Perfluoro-1-butane sulfonamide (FBSA)	0.12	U	ug/Kg	P426183	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.12	U	ug/Kg	P426183	
		Perfluoro-1-octane sulfonamide (FOSA)	0.12	U	ug/Kg	P426183	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.24	U	ug/Kg	P426183	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.24	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.24	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.9	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.24	U	ug/Kg	P426183	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	U	ug/Kg	P426183	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.12	U	ug/Kg	P426183	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.48	U	ug/Kg	P426183	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	0.24	U	ug/Kg	P426183	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.24	U	ug/Kg	P426183	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.24	U	ug/Kg	P426183	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.24	U	ug/Kg	P426183	
		Perfluoropropanesulfonic acid (PFPrS)	0.24	U	ug/Kg	P426183	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.96	U	ug/Kg	P426183	

Field ID: SB-87 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388848	SM 2540 G (20th)	% Solid	88.0		%	P426357	

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 12:42

Field ID: SB-86 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388825	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.11	U	ug/Kg	P426183	RPD
		Perfluorobutanoic acid (PFBA)	0.44	U	ug/Kg	P426183	
		Perfluorodecanoic acid (PFDA)	0.44	U	ug/Kg	P426183	
		Perfluorododecanoic acid (PFDoA)	0.22	U	ug/Kg	P426183	
		Perfluoroheptanoic acid (PFHpA)	0.22	U	ug/Kg	P426183	
		Perfluorohexanesulfonic acid (PFHxS)	0.11	U	ug/Kg	P426183	
		Perfluorohexanoic acid (PFHxA)	0.22	U	ug/Kg	P426183	
		Perfluorononanoic acid (PFNA)	0.22	U	ug/Kg	P426183	
		Perfluorooctanesulfonic acid (PFOS)	0.53	I	ug/Kg	P426183	
		Perfluorooctanoic acid (PFOA)	0.22	U	ug/Kg	P426183	
		Perfluorotetradecanoic acid (PFTeA)	0.22	U	ug/Kg	P426183	
		Perfluorotridecanoic acid (PFTriA)	0.22	U	ug/Kg	P426183	
		Perfluoroundecanoic acid (PFUnA)	0.22	U	ug/Kg	P426183	
		Perfluoropentanoic acid (PFPeA)	0.22	U	ug/Kg	P426183	
		Perfluoropentanesulfonic acid (PFPeS)	0.11	U	ug/Kg	P426183	
		Perfluoroheptanesulfonic acid (PFHpS)	0.11	U	ug/Kg	P426183	
		Perfluorononanesulfonic acid (PFNS)	0.11	U	ug/Kg	P426183	
		Perfluorodecanesulfonic acid (PFDS)	0.11	U	ug/Kg	P426183	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-butane sulfonamide (FBSA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-octane sulfonamide (FOSA)	0.11	U	ug/Kg	P426183	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.22	U	ug/Kg	P426183	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.22	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.22	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.7	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.22	U	ug/Kg	P426183	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.11	U	ug/Kg	P426183	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.11	U	ug/Kg	P426183	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.44	U	ug/Kg	P426183	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.22	U	ug/Kg	P426183	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.22	U	ug/Kg	P426183	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.22	U	ug/Kg	P426183	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.22	U	ug/Kg	P426183	
		Perfluoropropanesulfonic acid (PFPrS)	0.22	U	ug/Kg	P426183	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.87	U	ug/Kg	P426183	

Field ID: SB-86 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388849	SM 2540 G (20th)	% Solid	94.1		%	P426357	

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 12:43

Field ID: SB-84 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388826	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.11	U	ug/Kg	P426183	RPD
		Perfluorobutanoic acid (PFBA)	0.44	U	ug/Kg	P426183	
		Perfluorodecanoic acid (PFDA)	0.44	U	ug/Kg	P426183	
		Perfluorododecanoic acid (PFDoA)	0.29	I	ug/Kg	P426183	
		Perfluoroheptanoic acid (PFHpA)	0.22	U	ug/Kg	P426183	
		Perfluorohexanesulfonic acid (PFHxS)	0.11	U	ug/Kg	P426183	
		Perfluorohexanoic acid (PFHxA)	0.22	U	ug/Kg	P426183	
		Perfluorononanoic acid (PFNA)	0.22	U	ug/Kg	P426183	
		Perfluorooctanesulfonic acid (PFOS)	1.5		ug/Kg	P426183	
		Perfluorooctanoic acid (PFOA)	0.22	U	ug/Kg	P426183	
		Perfluorotetradecanoic acid (PFTeA)	0.22	U	ug/Kg	P426183	
		Perfluorotridecanoic acid (PFTriA)	0.22	U	ug/Kg	P426183	
		Perfluoroundecanoic acid (PFUnA)	0.22	U	ug/Kg	P426183	
		Perfluoropentanoic acid (PFPeA)	0.22	U	ug/Kg	P426183	
		Perfluoropentanesulfonic acid (PFPeS)	0.11	U	ug/Kg	P426183	
		Perfluoroheptanesulfonic acid (PFHpS)	0.11	U	ug/Kg	P426183	
		Perfluorononanesulfonic acid (PFNS)	0.11	U	ug/Kg	P426183	
		Perfluorodecanesulfonic acid (PFDS)	0.11	U	ug/Kg	P426183	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-butane sulfonamide (FBSA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-octane sulfonamide (FOSA)	0.11	U	ug/Kg	P426183	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.22	U	ug/Kg	P426183	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.22	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.22	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.8	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.22	U	ug/Kg	P426183	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.11	U	ug/Kg	P426183	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.11	U	ug/Kg	P426183	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.44	U	ug/Kg	P426183	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.22	U	ug/Kg	P426183	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.22	U	ug/Kg	P426183	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.22	U	ug/Kg	P426183	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.22	U	ug/Kg	P426183	
		Perfluoropropanesulfonic acid (PFPrS)	0.22	U	ug/Kg	P426183	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.88	U	ug/Kg	P426183	

Field ID: SB-84 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388850	SM 2540 G (20th)	% Solid	92.3		%	P426357	

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 12:44

Field ID: SB-86 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388827	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.11	U	ug/Kg	P426183	RPD
		Perfluorobutanoic acid (PFBA)	0.44	U	ug/Kg	P426183	
		Perfluorodecanoic acid (PFDA)	0.44	U	ug/Kg	P426183	
		Perfluorododecanoic acid (PFDoA)	0.22	U	ug/Kg	P426183	
		Perfluoroheptanoic acid (PFHpA)	0.22	U	ug/Kg	P426183	
		Perfluorohexanesulfonic acid (PFHxS)	0.11	U	ug/Kg	P426183	
		Perfluorohexanoic acid (PFHxA)	0.22	U	ug/Kg	P426183	
		Perfluorononanoic acid (PFNA)	0.22	U	ug/Kg	P426183	
		Perfluorooctanesulfonic acid (PFOS)	6.9		ug/Kg	P426183	
		Perfluorooctanoic acid (PFOA)	0.22	U	ug/Kg	P426183	
		Perfluorotetradecanoic acid (PFTeA)	0.22	U	ug/Kg	P426183	
		Perfluorotridecanoic acid (PFTriA)	0.22	U	ug/Kg	P426183	
		Perfluoroundecanoic acid (PFUnA)	0.22	U	ug/Kg	P426183	
		Perfluoropentanoic acid (PFPeA)	0.22	U	ug/Kg	P426183	
		Perfluoropentanesulfonic acid (PFPeS)	0.11	U	ug/Kg	P426183	
		Perfluoroheptanesulfonic acid (PFHpS)	0.11	U	ug/Kg	P426183	
		Perfluorononanesulfonic acid (PFNS)	0.11	U	ug/Kg	P426183	
		Perfluorodecanesulfonic acid (PFDS)	0.28	I	ug/Kg	P426183	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-butane sulfonamide (FBSA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-octane sulfonamide (FOSA)	0.11	U	ug/Kg	P426183	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.22	U	ug/Kg	P426183	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.22	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.22	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.7	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.22	U	ug/Kg	P426183	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.44		ug/Kg	P426183	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.11	U	ug/Kg	P426183	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.44	U	ug/Kg	P426183	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.22	U	ug/Kg	P426183	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.22	U	ug/Kg	P426183	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.22	U	ug/Kg	P426183	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.22	U	ug/Kg	P426183	
		Perfluoropropanesulfonic acid (PFPrS)	0.22	U	ug/Kg	P426183	
		Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	0.87	U	ug/Kg	P426183	

Field ID: SB-86 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388851	SM 2540 G (20th)	% Solid	93.8		%	P426357	

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 12:45

Field ID: SB-84 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388828	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.11	U	ug/Kg	P426183	RPD
		Perfluorobutanoic acid (PFBA)	0.44	U	ug/Kg	P426183	
		Perfluorodecanoic acid (PFDA)	0.44	U	ug/Kg	P426183	
		Perfluorododecanoic acid (PFDoA)	0.22	U	ug/Kg	P426183	
		Perfluoroheptanoic acid (PFHpA)	0.22	U	ug/Kg	P426183	
		Perfluorohexanesulfonic acid (PFHxS)	0.11	U	ug/Kg	P426183	
		Perfluorohexanoic acid (PFHxA)	0.22	U	ug/Kg	P426183	
		Perfluorononanoic acid (PFNA)	0.22	U	ug/Kg	P426183	
		Perfluorooctanesulfonic acid (PFOS)	0.95		ug/Kg	P426183	
		Perfluorooctanoic acid (PFOA)	0.22	U	ug/Kg	P426183	
		Perfluorotetradecanoic acid (PFTeA)	0.22	U	ug/Kg	P426183	
		Perfluorotridecanoic acid (PFTriA)	0.22	U	ug/Kg	P426183	
		Perfluoroundecanoic acid (PFUnA)	0.22	U	ug/Kg	P426183	
		Perfluoropentanoic acid (PFPeA)	0.22	U	ug/Kg	P426183	
		Perfluoropentanesulfonic acid (PFPeS)	0.11	U	ug/Kg	P426183	
		Perfluoroheptanesulfonic acid (PFHpS)	0.11	U	ug/Kg	P426183	
		Perfluorononanesulfonic acid (PFNS)	0.11	U	ug/Kg	P426183	
		Perfluorodecanesulfonic acid (PFDS)	0.11	U	ug/Kg	P426183	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-butane sulfonamide (FBSA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-octane sulfonamide (FOSA)	0.11	U	ug/Kg	P426183	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.22	U	ug/Kg	P426183	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.22	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.22	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.8	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.22	U	ug/Kg	P426183	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.11	U	ug/Kg	P426183	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.11	U	ug/Kg	P426183	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.44	U	ug/Kg	P426183	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.22	U	ug/Kg	P426183	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.22	U	ug/Kg	P426183	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.22	U	ug/Kg	P426183	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.22	U	ug/Kg	P426183	
		Perfluoropropanesulfonic acid (PFPrS)	0.22	U	ug/Kg	P426183	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	0.88	U	ug/Kg	P426183	

Field ID: SB-84 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388852	SM 2540 G (20th)	% Solid	92.3	A	%	P426358	

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 12:46

Field ID: SB-85 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388829	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.13	U	ug/Kg	P426183	RPD
		Perfluorobutanoic acid (PFBA)	0.53	U	ug/Kg	P426183	
		Perfluorodecanoic acid (PFDA)	0.53	U	ug/Kg	P426183	
		Perfluorododecanoic acid (PFDoA)	0.27	U	ug/Kg	P426183	
		Perfluoroheptanoic acid (PFHpA)	0.27	U	ug/Kg	P426183	
		Perfluorohexanesulfonic acid (PFHxS)	0.13	U	ug/Kg	P426183	
		Perfluorohexanoic acid (PFHxA)	0.27	U	ug/Kg	P426183	
		Perfluorononanoic acid (PFNA)	0.27	U	ug/Kg	P426183	
		Perfluorooctanesulfonic acid (PFOS)	2.5		ug/Kg	P426183	
		Perfluorooctanoic acid (PFOA)	0.27	U	ug/Kg	P426183	
		Perfluorotetradecanoic acid (PFTeA)	0.27	U	ug/Kg	P426183	
		Perfluorotridecanoic acid (PFTriA)	0.27	U	ug/Kg	P426183	
		Perfluoroundecanoic acid (PFUnA)	0.27	U	ug/Kg	P426183	
		Perfluoropentanoic acid (PFPeA)	0.27	U	ug/Kg	P426183	
		Perfluoropentanesulfonic acid (PFPeS)	0.13	U	ug/Kg	P426183	
		Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	ug/Kg	P426183	
		Perfluorononanesulfonic acid (PFNS)	0.13	U	ug/Kg	P426183	
		Perfluorodecanesulfonic acid (PFDS)	0.39	I	ug/Kg	P426183	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.13	U	ug/Kg	P426183	
		Perfluoro-1-butane sulfonamide (FBSA)	0.13	U	ug/Kg	P426183	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.13	U	ug/Kg	P426183	
		Perfluoro-1-octane sulfonamide (FOSA)	0.13	U	ug/Kg	P426183	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.27	U	ug/Kg	P426183	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.27	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.27	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.1	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.27	U	ug/Kg	P426183	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	ug/Kg	P426183	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	ug/Kg	P426183	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.53	U	ug/Kg	P426183	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.27	U	ug/Kg	P426183	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	ug/Kg	P426183	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	ug/Kg	P426183	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.27	U	ug/Kg	P426183	
		Perfluoropropanesulfonic acid (PFPrS)	0.27	U	ug/Kg	P426183	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	1.1	U	ug/Kg	P426183	

Field ID: SB-85 (0-0.5)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388853	SM 2540 G (20th)	% Solid	81.6		%	P426358	

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 12:48

Field ID: SB-85 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388830	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.11	U	ug/Kg	P426183	RPD
		Perfluorobutanoic acid (PFBA)	0.45	U	ug/Kg	P426183	
		Perfluorodecanoic acid (PFDA)	0.45	U	ug/Kg	P426183	
		Perfluorododecanoic acid (PFDoA)	0.23	U	ug/Kg	P426183	
		Perfluoroheptanoic acid (PFHpA)	0.23	U	ug/Kg	P426183	
		Perfluorohexanesulfonic acid (PFHxS)	0.11	U	ug/Kg	P426183	
		Perfluorohexanoic acid (PFHxA)	0.23	U	ug/Kg	P426183	
		Perfluorononanoic acid (PFNA)	0.23	U	ug/Kg	P426183	
		Perfluorooctanesulfonic acid (PFOS)	3.5		ug/Kg	P426183	
		Perfluorooctanoic acid (PFOA)	0.23	U	ug/Kg	P426183	
		Perfluorotetradecanoic acid (PFTeA)	0.23	U	ug/Kg	P426183	
		Perfluorotridecanoic acid (PFTriA)	0.23	U	ug/Kg	P426183	
		Perfluoroundecanoic acid (PFUnA)	0.23	U	ug/Kg	P426183	
		Perfluoropentanoic acid (PFPeA)	0.23	U	ug/Kg	P426183	
		Perfluoropentanesulfonic acid (PFPeS)	0.11	U	ug/Kg	P426183	
		Perfluoroheptanesulfonic acid (PFHpS)	0.11	U	ug/Kg	P426183	
		Perfluorononanesulfonic acid (PFNS)	0.11	U	ug/Kg	P426183	
		Perfluorodecanesulfonic acid (PFDS)	0.33	I	ug/Kg	P426183	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-butane sulfonamide (FBSA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.11	U	ug/Kg	P426183	
		Perfluoro-1-octane sulfonamide (FOSA)	0.11	U	ug/Kg	P426183	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.23	U	ug/Kg	P426183	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.23	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.23	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.8	U	ug/Kg	P426183	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.23	U	ug/Kg	P426183	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	I	ug/Kg	P426183	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.11	U	ug/Kg	P426183	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.45	U	ug/Kg	P426183	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.23	U	ug/Kg	P426183	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.23	U	ug/Kg	P426183	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.23	U	ug/Kg	P426183	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.23	U	ug/Kg	P426183	
		Perfluoropropanesulfonic acid (PFPrS)	0.23	U	ug/Kg	P426183	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	0.91	U	ug/Kg	P426183	

Field ID: SB-85 (0.5-2)

Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388854	SM 2540 G (20th)	% Solid	92.0		%	P426358	

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 13:10

Field ID: SW-22

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388831	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	16		ng/L	P426159	
		Perfluorobutanoic acid (PFBA)	11	I	ng/L	P426159	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P426159	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P426159	
		Perfluoroheptanoic acid (PFHpA)	7.2	I	ng/L	P426159	
		Perfluorohexanesulfonic acid (PFHxS)	23		ng/L	P426159	
		Perfluorohexanoic acid (PFHxA)	11		ng/L	P426159	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P426159	
		Perfluorooctanoic acid (PFOA)	10		ng/L	P426159	
		Perfluorooctanesulfonic acid (PFOS)	65		ng/L	P426159	
		Perfluoropentanoic acid (PFPeA)	13		ng/L	P426159	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P426159	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P426159	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P426159	
		Perfluoropentanesulfonic acid (PFPeS)	2.6		ng/L	P426159	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P426159	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P426159	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P426159	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P426159	
		Perfluoro-1-butane sulfonamide (FBSA)	1.4	I	ng/L	P426159	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P426159	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P426159	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	UJ	ng/L	P426159	LCS
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P426159	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P426159	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P426159	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P426159	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P426159	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P426159	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P426159	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P426159	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P426159	

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:

DEP SOP: LC-001-3: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 13:18

Field ID: SW-23

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388832	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	16		ng/L	P426159	
		Perfluorobutanoic acid (PFBA)	10	I	ng/L	P426159	
		Perfluorodecanoic acid (PFDA)	4.6	U	ng/L	P426159	
		Perfluorododecanoic acid (PFDoA)	2.3	U	ng/L	P426159	
		Perfluoroheptanoic acid (PFHpA)	7.6	I	ng/L	P426159	
		Perfluorohexanesulfonic acid (PFHxS)	24		ng/L	P426159	
		Perfluorohexanoic acid (PFHxA)	12		ng/L	P426159	
		Perfluorononanoic acid (PFNA)	2.3	U	ng/L	P426159	
		Perfluorooctanoic acid (PFOA)	9.0	I	ng/L	P426159	
		Perfluorooctanesulfonic acid (PFOS)	52		ng/L	P426159	
		Perfluoropentanoic acid (PFPeA)	12		ng/L	P426159	
		Perfluorotetradecanoic acid (PFTeA)	2.3	U	ng/L	P426159	
		Perfluorotridecanoic acid (PFTriA)	2.3	U	ng/L	P426159	
		Perfluoroundecanoic acid (PFUnA)	2.3	U	ng/L	P426159	
		Perfluoropentanesulfonic acid (PFPeS)	2.4		ng/L	P426159	
		Perfluoroheptanesulfonic acid (PFHpS)	0.93	U	ng/L	P426159	
		Perfluorononanesulfonic acid (PFNS)	0.46	U	ng/L	P426159	
		Perfluorodecanesulfonic acid (PFDS)	0.46	U	ng/L	P426159	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.46	U	ng/L	P426159	
		Perfluoro-1-butane sulfonamide (FBSA)	1.5	I	ng/L	P426159	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.93	U	ng/L	P426159	
		Perfluoro-1-octane sulfonamide (FOSA)	0.46	U	ng/L	P426159	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.3	U	ng/L	P426159	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.3	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.3	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	19	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.3	UJ	ng/L	P426159	LCS
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P426159	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.93	U	ng/L	P426159	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.6	U	ng/L	P426159	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.93	U	ng/L	P426159	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.93	U	ng/L	P426159	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.93	U	ng/L	P426159	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.93	U	ng/L	P426159	
		Perfluoropropanesulfonic acid (PFPrS)	4.6	U	ng/L	P426159	
		Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	9.3	U	ng/L	P426159	

Field ID: SW-23

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. MDLs are elevated due to a limited amount of sample volume. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 13:22

Field ID: FRB-21

Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388836	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P426159	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P426159	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P426159	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P426159	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P426159	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P426159	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P426159	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P426159	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P426159	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P426159	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P426159	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P426159	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P426159	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P426159	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P426159	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P426159	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P426159	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P426159	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P426159	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P426159	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P426159	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	UJ	ng/L	P426159	LCS
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P426159	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P426159	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P426159	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P426159	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P426159	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P426159	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P426159	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P426159	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P426159	

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 13:30

Field ID: SW-21

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388833	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	18		ng/L	P426159	
		Perfluorobutanoic acid (PFBA)	14	I	ng/L	P426159	
		Perfluorodecanoic acid (PFDA)	5.0	U	ng/L	P426159	
		Perfluorododecanoic acid (PFDoA)	2.5	U	ng/L	P426159	
		Perfluoroheptanoic acid (PFHpA)	9.1	I	ng/L	P426159	
		Perfluorohexanesulfonic acid (PFHxS)	34		ng/L	P426159	
		Perfluorohexanoic acid (PFHxA)	11		ng/L	P426159	
		Perfluorononanoic acid (PFNA)	5.7	I	ng/L	P426159	
		Perfluorooctanoic acid (PFOA)	16		ng/L	P426159	
		Perfluorooctanesulfonic acid (PFOS)	470		ng/L	P426159	
		Perfluoropentanoic acid (PFPeA)	17		ng/L	P426159	
		Perfluorotetradecanoic acid (PFTeA)	2.5	U	ng/L	P426159	
		Perfluorotridecanoic acid (PFTriA)	2.5	U	ng/L	P426159	
		Perfluoroundecanoic acid (PFUnA)	2.5	U	ng/L	P426159	
		Perfluoropentanesulfonic acid (PFPeS)	4.7		ng/L	P426159	
		Perfluoroheptanesulfonic acid (PFHpS)	2.6	I	ng/L	P426159	
		Perfluorononanesulfonic acid (PFNS)	0.50	U	ng/L	P426159	
		Perfluorodecanesulfonic acid (PFDS)	0.50	U	ng/L	P426159	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.50	U	ng/L	P426159	
		Perfluoro-1-butane sulfonamide (FBSA)	2.8	I	ng/L	P426159	
		Perfluoro-1-hexane sulfonamide (FHxSA)	3.3	I	ng/L	P426159	
		Perfluoro-1-octane sulfonamide (FOSA)	0.50	U	ng/L	P426159	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.5	U	ng/L	P426159	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.5	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.5	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	20	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.5	UJ	ng/L	P426159	LCS
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.99	U	ng/L	P426159	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.99	U	ng/L	P426159	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	5.0	U	ng/L	P426159	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.99	U	ng/L	P426159	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.99	U	ng/L	P426159	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.99	U	ng/L	P426159	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.99	U	ng/L	P426159	
		Perfluoropropanesulfonic acid (PFPrS)	5.0	U	ng/L	P426159	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.9	U	ng/L	P426159	

Field ID: SW-21

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. MDLs are elevated due to a limited amount of sample volume. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Indian River State College

Collection Date/Time: 02/15/2023 13:35

Field ID: SW-21 (dup)

Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388834	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	16		ng/L	P426159	
		Perfluorobutanoic acid (PFBA)	11	I	ng/L	P426159	
		Perfluorodecanoic acid (PFDA)	5.0	U	ng/L	P426159	
		Perfluorododecanoic acid (PFDoA)	2.5	U	ng/L	P426159	
		Perfluoroheptanoic acid (PFHpA)	7.9	I	ng/L	P426159	
		Perfluorohexanesulfonic acid (PFHxS)	28		ng/L	P426159	
		Perfluorohexanoic acid (PFHxA)	9.8	I	ng/L	P426159	
		Perfluorononanoic acid (PFNA)	3.9	I	ng/L	P426159	
		Perfluorooctanoic acid (PFOA)	19		ng/L	P426159	
		Perfluorooctanesulfonic acid (PFOS)	450		ng/L	P426159	
		Perfluoropentanoic acid (PFPeA)	14		ng/L	P426159	
		Perfluorotetradecanoic acid (PFTeA)	2.5	U	ng/L	P426159	
		Perfluorotridecanoic acid (PFTriA)	2.5	U	ng/L	P426159	
		Perfluoroundecanoic acid (PFUnA)	2.5	U	ng/L	P426159	
		Perfluoropentanesulfonic acid (PFPeS)	3.9		ng/L	P426159	
		Perfluoroheptanesulfonic acid (PFHpS)	2.6	I	ng/L	P426159	
		Perfluorononanesulfonic acid (PFNS)	0.50	U	ng/L	P426159	
		Perfluorodecanesulfonic acid (PFDS)	0.50	U	ng/L	P426159	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.50	U	ng/L	P426159	
		Perfluoro-1-butane sulfonamide (FBSA)	1.7	I	ng/L	P426159	
		Perfluoro-1-hexane sulfonamide (FHxSA)	1.5	I	ng/L	P426159	
		Perfluoro-1-octane sulfonamide (FOSA)	0.50	U	ng/L	P426159	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.5	U	ng/L	P426159	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.5	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.5	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	20	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.5	UJ	ng/L	P426159	LCS
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.99	U	ng/L	P426159	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.99	U	ng/L	P426159	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	5.0	U	ng/L	P426159	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.99	U	ng/L	P426159	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.99	U	ng/L	P426159	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.99	U	ng/L	P426159	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.99	U	ng/L	P426159	
		Perfluoropropanesulfonic acid (PFPrS)	5.0	U	ng/L	P426159	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.9	U	ng/L	P426159	

Field ID: SW-21 (dup)

Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. MDLs are elevated due to a limited amount of sample volume. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Indian River State College

Collection Date/Time: 02/16/2023 12:50

Field ID: EQB-68

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2388840	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P426159	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P426159	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P426159	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P426159	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P426159	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P426159	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P426159	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P426159	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P426159	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P426159	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P426159	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P426159	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P426159	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P426159	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P426159	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P426159	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P426159	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P426159	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P426159	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P426159	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P426159	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P426159	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P426159	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	UJ	ng/L	P426159	LCS
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P426159	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P426159	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P426159	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P426159	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P426159	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P426159	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P426159	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P426159	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P426159	

Field ID: EQB-68

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for PFOS could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: LC-001-3

Batch ID: P426159

Component	Result	Code	Units
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L
Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L
Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L
Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L
Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	0.80	U	ng/L
Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L
Perfluorobutanoic acid (PFBA)	4.0	U	ng/L
Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L
Perfluorodecanoic acid (PFDA)	4.0	U	ng/L
Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L
Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L
Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L
Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L
Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L
Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L
Perfluorononanoic acid (PFNA)	2.0	U	ng/L
Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L
Perfluorooctanoic acid (PFOA)	2.0	U	ng/L
Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L
Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L
Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L
Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L
Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L
Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L

Reference Method: DEP SOP: LC-001-3

Batch ID: P426182

Component	Result	Code	Units
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.18	U	ug/Kg
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.18	U	ug/Kg
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.18	U	ug/Kg
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.5	U	ug/Kg
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.092	U	ug/Kg
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.18	U	ug/Kg
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.37	U	ug/Kg
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.092	U	ug/Kg
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.092	U	ug/Kg
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.74	U	ug/Kg
Perfluoro-1-butane sulfonamide (FBSA)	0.092	U	ug/Kg

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: LC-001-3

Batch ID: P426182

Component	Result	Code	Units
Perfluoro-1-hexane sulfonamide (FHxSA)	0.092	U	ug/Kg
Perfluoro-1-octane sulfonamide (FOSA)	0.092	U	ug/Kg
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.18	U	ug/Kg
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.18	U	ug/Kg
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.18	U	ug/Kg
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.18	U	ug/Kg
Perfluorobutanesulfonic acid (PFBS)	0.092	U	ug/Kg
Perfluorobutanoic acid (PFBA)	0.37	U	ug/Kg
Perfluorodecanesulfonic acid (PFDS)	0.092	U	ug/Kg
Perfluorodecanoic acid (PFDA)	0.37	U	ug/Kg
Perfluorododecanoic acid (PFDoA)	0.18	U	ug/Kg
Perfluoroheptanesulfonic acid (PFHpS)	0.092	U	ug/Kg
Perfluoroheptanoic acid (PFHpA)	0.18	U	ug/Kg
Perfluorohexanesulfonic acid (PFHxS)	0.092	U	ug/Kg
Perfluorohexanoic acid (PFHxA)	0.18	U	ug/Kg
Perfluorononanesulfonic acid (PFNS)	0.092	U	ug/Kg
Perfluorononanoic acid (PFNA)	0.18	U	ug/Kg
Perfluorooctanesulfonic acid (PFOS)	0.18	U	ug/Kg
Perfluorooctanoic acid (PFOA)	0.18	U	ug/Kg
Perfluoropentanesulfonic acid (PFPeS)	0.092	U	ug/Kg
Perfluoropentanoic acid (PFPeA)	0.18	U	ug/Kg
Perfluoropropanesulfonic acid (PFPrS)	0.18	U	ug/Kg
Perfluorotetradecanoic acid (PFTeA)	0.18	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.18	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.18	U	ug/Kg

Reference Method: DEP SOP: LC-001-3

Batch ID: P426183

Component	Result	Code	Units
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	ug/Kg
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.20	U	ug/Kg
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.20	U	ug/Kg
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.6	U	ug/Kg
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.10	U	ug/Kg
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	ug/Kg
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.40	U	ug/Kg
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.10	U	ug/Kg
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.10	U	ug/Kg
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.80	U	ug/Kg
Perfluoro-1-butane sulfonamide (FBSA)	0.10	U	ug/Kg
Perfluoro-1-hexane sulfonamide (FHxSA)	0.10	U	ug/Kg
Perfluoro-1-octane sulfonamide (FOSA)	0.10	U	ug/Kg
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	ug/Kg
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.20	U	ug/Kg
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	ug/Kg
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.20	U	ug/Kg
Perfluorobutanesulfonic acid (PFBS)	0.10	U	ug/Kg
Perfluorobutanoic acid (PFBA)	0.40	U	ug/Kg
Perfluorodecanesulfonic acid (PFDS)	0.10	U	ug/Kg
Perfluorodecanoic acid (PFDA)	0.40	U	ug/Kg
Perfluorododecanoic acid (PFDoA)	0.20	U	ug/Kg

Quality Assurance Report

Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P426183

Component	Result	Code	Units
Perfluoroheptanesulfonic acid (PFHpS)	0.10	U	ug/Kg
Perfluoroheptanoic acid (PFHpA)	0.20	U	ug/Kg
Perfluorohexanesulfonic acid (PFHxS)	0.10	U	ug/Kg
Perfluorohexanoic acid (PFHxA)	0.20	U	ug/Kg
Perfluorononanesulfonic acid (PFNS)	0.10	U	ug/Kg
Perfluorononanoic acid (PFNA)	0.20	U	ug/Kg
Perfluorooctanesulfonic acid (PFOS)	0.20	U	ug/Kg
Perfluorooctanoic acid (PFOA)	0.20	U	ug/Kg
Perfluoropentanesulfonic acid (PFPeS)	0.10	U	ug/Kg
Perfluoropentanoic acid (PFPeA)	0.20	U	ug/Kg
Perfluoropropanesulfonic acid (PFPrS)	0.20	U	ug/Kg
Perfluorotetradecanoic acid (PFTeA)	0.20	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.20	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.20	U	ug/Kg

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P426159

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	73.9		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	166		F	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	119		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	113		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	113		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	105		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	98.8		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	112		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	112		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	84.2		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	129		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	145		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	126		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	137		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	107		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	138		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	104		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	107		P	30 - 160
Perfluorobutanoic acid (PFBA)	126		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	111		P	30 - 160
Perfluorodecanoic acid (PFDA)	108		P	30 - 160
Perfluorododecanoic acid (PFDoA)	91.7		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	114		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	108		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	118		P	30 - 160
Perfluorohexanoic acid (PFHxA)	117		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	117		P	30 - 160
Perfluorononanoic acid (PFNA)	107		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	113		P	30 - 160
Perfluorooctanoic acid (PFOA)	124		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	111		P	30 - 160
Perfluoropentanoic acid (PFPeA)	111		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	106		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	86.4		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	98.8		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	117		P	30 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P426182

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	114		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	131		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	132		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	124		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	74.9		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	107		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	100		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	127		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	87.5		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	98.3		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	101		P	40 - 160

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P426182

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoro-1-hexane sulfonamide (FHxSA)	93.9		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	111		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	107		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	103		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	116		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	125		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	120		P	40 - 160
Perfluorobutanoic acid (PFBA)	116		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	108		P	40 - 160
Perfluorodecanoic acid (PFDA)	92.4		P	40 - 160
Perfluorododecanoic acid (PFDoA)	122		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	102		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	118		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	124		P	40 - 160
Perfluorohexanoic acid (PFHxA)	112		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	108		P	40 - 160
Perfluorononanoic acid (PFNA)	82.0		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	121		P	40 - 160
Perfluorooctanoic acid (PFOA)	97.2		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	130		P	40 - 160
Perfluoropentanoic acid (PFPeA)	109		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	125		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	116		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	114		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	84.8		P	40 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P426183

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	77.3		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	127		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	98.5		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	89.3		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	116		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	81.8		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	64.6		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	80.2		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	98.3		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	115		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	107		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	135		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	105		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	86.6		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	105		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	104		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	100		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	95.4		P	40 - 160
Perfluorobutanoic acid (PFBA)	73.4		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	75.7		P	40 - 160
Perfluorodecanoic acid (PFDA)	74.6		P	40 - 160
Perfluorododecanoic acid (PFDoA)	82.8		P	40 - 160

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P426183

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoroheptanesulfonic acid (PFHpS)	110		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	98.5		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	87.0		P	40 - 160
Perfluorohexanoic acid (PFHxA)	111		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	62.6		P	40 - 160
Perfluorononanoic acid (PFNA)	128		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	79.7		P	40 - 160
Perfluorooctanoic acid (PFOA)	110		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	95.4		P	40 - 160
Perfluoropentanoic acid (PFPeA)	116		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	95.9		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	122		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	77.5		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	119		P	40 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P426159

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2388536	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	52.9	65.7	P/P	30 - 160
2388536	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	128	140	P/P	30 - 160
2388536	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	115	121	P/P	30 - 160
2388536	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	149	132	P/P	30 - 160
2388536	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	111	99.5	P/P	30 - 160
2388536	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	92.1	95.5	P/P	30 - 160
2388536	Hexafluoropropylene oxide dimer acid (HFPO-DA)	112	115	P/P	30 - 160
2388536	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	107	119	P/P	30 - 160
2388536	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	97.2	112	P/P	30 - 160
2388536	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	76.1	76.8	P/P	30 - 160
2388536	Perfluoro-1-butane sulfonamide (FBSA)	112	105	P/P	30 - 160
2388536	Perfluoro-1-hexane sulfonamide (FHxSA)	128	117	P/P	30 - 160
2388536	Perfluoro-1-octane sulfonamide (FOSA)	131	136	P/P	30 - 160
2388536	Perfluoro-3-methoxypropanoic acid (PFMPA)	149	147	P/P	30 - 160
2388536	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	116	108	P/P	30 - 160
2388536	Perfluoro-4-methoxybutanoic acid (PFMBA)	158	141	P/P	30 - 160
2388536	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	105	112	P/P	30 - 160
2388536	Perfluorobutanesulfonic acid (PFBS)	115	123	P/P	30 - 160
2388536	Perfluorobutanoic acid (PFBA)	139	144	P/P	30 - 160
2388536	Perfluorodecanesulfonic acid (PFDS)	76.4	76.6	P/P	30 - 160
2388536	Perfluorodecanoic acid (PFDA)	129	146	P/P	30 - 160
2388536	Perfluorododecanoic acid (PFDoA)	123	128	P/P	30 - 160
2388536	Perfluoroheptanesulfonic acid (PFHpS)	121	117	P/P	30 - 160
2388536	Perfluoroheptanoic acid (PFHpA)	125	82.5	P/P	30 - 160
2388536	Perfluorohexanesulfonic acid (PFHxS)	124	120	P/P	30 - 160
2388536	Perfluorohexanoic acid (PFHxA)	150	109	P/P	30 - 160
2388536	Perfluorononanesulfonic acid (PFNS)	95.9	98.9	P/P	30 - 160
2388536	Perfluorononanoic acid (PFNA)	121	127	P/P	30 - 160
2388536	Perfluorooctanoic acid (PFOA)	107	104	P/P	30 - 160
2388536	Perfluoropentanesulfonic acid (PFPeS)	117	127	P/P	30 - 160
2388536	Perfluoropentanoic acid (PFPeA)	110	128	P/P	30 - 160
2388536	Perfluoropropanesulfonic acid (PFPrS)	122	128	P/P	30 - 160
2388536	Perfluorotetradecanoic acid (PFTeA)	99.5	114	P/P	30 - 160
2388536	Perfluorotridecanoic acid (PFTriA)	95.6	97.1	P/P	30 - 160
2388536	Perfluoroundecanoic acid (PFUnA)	111	105	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P426182

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2388726	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	118	139	P/P	40 - 160
2388726	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	106	112	P/P	40 - 160
2388726	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	108	106	P/P	40 - 160
2388726	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	139	130	P/P	40 - 160
2388726	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	72.9	81.2	P/P	40 - 160
2388726	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	99.1	106	P/P	40 - 160
2388726	Hexafluoropropylene oxide dimer acid (HFPO-DA)	107	113	P/P	40 - 160
2388726	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	119	126	P/P	40 - 160
2388726	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	106	101	P/P	40 - 160
2388726	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	169	118	F/P	40 - 160
2388726	Perfluoro-1-butane sulfonamide (FBSA)	93.2	98.0	P/P	40 - 160
2388726	Perfluoro-1-hexane sulfonamide (FHxSA)	84.7	86.8	P/P	40 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P426182

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2388726	Perfluoro-1-octane sulfonamide (FOSA)	98.1	105	P/P	40 - 160
2388726	Perfluoro-3-methoxypropanoic acid (PFMPA)	120	124	P/P	40 - 160
2388726	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	102	101	P/P	40 - 160
2388726	Perfluoro-4-methoxybutanoic acid (PFMBA)	114	129	P/P	40 - 160
2388726	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	120	124	P/P	40 - 160
2388726	Perfluorobutanesulfonic acid (PFBS)	123	125	P/P	40 - 160
2388726	Perfluorobutanoic acid (PFBA)	113	118	P/P	40 - 160
2388726	Perfluorodecanesulfonic acid (PFDS)	108	112	P/P	40 - 160
2388726	Perfluorodecanoic acid (PFDA)	89.7	121	P/P	40 - 160
2388726	Perfluorododecanoic acid (PFDoA)	113	123	P/P	40 - 160
2388726	Perfluoroheptanesulfonic acid (PFHpS)	97.0	113	P/P	40 - 160
2388726	Perfluoroheptanoic acid (PFHpA)	134	113	P/P	40 - 160
2388726	Perfluorohexanesulfonic acid (PFHxS)	120	128	P/P	40 - 160
2388726	Perfluorohexanoic acid (PFHxA)	113	123	P/P	40 - 160
2388726	Perfluorononanesulfonic acid (PFNS)	133	143	P/P	40 - 160
2388726	Perfluorononanoic acid (PFNA)	118	106	P/P	40 - 160
2388726	Perfluorooctanesulfonic acid (PFOS)	122	151	P/P	40 - 160
2388726	Perfluorooctanoic acid (PFOA)	99.1	97.2	P/P	40 - 160
2388726	Perfluoropentanesulfonic acid (PFPeS)	122	125	P/P	40 - 160
2388726	Perfluoropentanoic acid (PFPeA)	98.1	110	P/P	40 - 160
2388726	Perfluoropropanesulfonic acid (PFPrS)	123	121	P/P	40 - 160
2388726	Perfluorotetradecanoic acid (PFTeA)	108	109	P/P	40 - 160
2388726	Perfluorotridecanoic acid (PFTriA)	126	111	P/P	40 - 160
2388726	Perfluoroundecanoic acid (PFUnA)	112	118	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P426183

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2388822	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	71.7	71.7	P/P	40 - 160
2388822	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	98.7	118	P/P	40 - 160
2388822	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	83.8	99.8	P/P	40 - 160
2388822	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	81.8	102	P/P	40 - 160
2388822	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	113	98.4	P/P	40 - 160
2388822	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	77.2	74.4	P/P	40 - 160
2388822	Hexafluoropropylene oxide dimer acid (HFPO-DA)	83.4	99.7	P/P	40 - 160
2388822	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	90.0	74.7	P/P	40 - 160
2388822	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	66.7	74.4	P/P	40 - 160
2388822	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	82.2	92.9	P/P	40 - 160
2388822	Perfluoro-1-butane sulfonamide (FBSA)	95.8	96.8	P/P	40 - 160
2388822	Perfluoro-1-hexane sulfonamide (FHxSA)	106	115	P/P	40 - 160
2388822	Perfluoro-1-octane sulfonamide (FOSA)	95.6	102	P/P	40 - 160
2388822	Perfluoro-3-methoxypropanoic acid (PFMPA)	80.9	89.3	P/P	40 - 160
2388822	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	95.6	99.8	P/P	40 - 160
2388822	Perfluoro-4-methoxybutanoic acid (PFMBA)	84.9	88.2	P/P	40 - 160
2388822	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	97.4	99.8	P/P	40 - 160
2388822	Perfluorobutanesulfonic acid (PFBS)	92.5	97.7	P/P	40 - 160
2388822	Perfluorobutanoic acid (PFBA)	67.7	71.6	P/P	40 - 160
2388822	Perfluorodecanesulfonic acid (PFDS)	76.6	75.4	P/P	40 - 160
2388822	Perfluorodecanoic acid (PFDA)	66.1	98.4	P/P	40 - 160
2388822	Perfluorododecanoic acid (PFDoA)	121	108	P/P	40 - 160
2388822	Perfluoroheptanesulfonic acid (PFHpS)	98.7	111	P/P	40 - 160

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P426183

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2388822	Perfluoroheptanoic acid (PFHpA)	78.2	82.5	P/P	40 - 160
2388822	Perfluorohexanesulfonic acid (PFHxS)	86.1	91.7	P/P	40 - 160
2388822	Perfluorohexanoic acid (PFHxA)	118	106	P/P	40 - 160
2388822	Perfluorononanesulfonic acid (PFNS)	65.1	71.3	P/P	40 - 160
2388822	Perfluorononanoic acid (PFNA)	111	101	P/P	40 - 160
2388822	Perfluorooctanesulfonic acid (PFOS)	79.4	79.3	P/P	40 - 160
2388822	Perfluorooctanoic acid (PFOA)	108	119	P/P	40 - 160
2388822	Perfluoropentanesulfonic acid (PFPeS)	101	91.4	P/P	40 - 160
2388822	Perfluoropentanoic acid (PFPeA)	109	103	P/P	40 - 160
2388822	Perfluoropropanesulfonic acid (PFPrS)	92.7	93.4	P/P	40 - 160
2388822	Perfluorotetradecanoic acid (PFTeA)	61.5	57.6	P/P	40 - 160
2388822	Perfluorotridecanoic acid (PFTriA)	72.8	90.3	P/P	40 - 160
2388822	Perfluoroundecanoic acid (PFUnA)	103	106	P/P	40 - 160

Quality Assurance Report Precision

Reference Method: DEP SOP: LC-001-3

Batch ID: P426159

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2388536	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	21.5	Spike	P	0 - 30
2388536	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	9.04	Spike	P	0 - 30
2388536	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	4.58	Spike	P	0 - 30
2388536	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	11.5	Spike	P	0 - 30
2388536	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	11.3	Spike	P	0 - 30
2388536	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.62	Spike	P	0 - 30
2388536	Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.75	Spike	P	0 - 30
2388536	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	10.1	Spike	P	0 - 30
2388536	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	14.5	Spike	P	0 - 30
2388536	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.848	Spike	P	0 - 30
2388536	Perfluoro-1-butane sulfonamide (FBSA)	6.09	Spike	P	0 - 30
2388536	Perfluoro-1-hexane sulfonamide (FHxSA)	9.26	Spike	P	0 - 30
2388536	Perfluoro-1-octane sulfonamide (FOSA)	3.07	Spike	P	0 - 30
2388536	Perfluoro-3-methoxypropanoic acid (PFMPA)	1.05	Spike	P	0 - 30
2388536	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	7.04	Spike	P	0 - 30
2388536	Perfluoro-4-methoxybutanoic acid (PFMBA)	11.6	Spike	P	0 - 30
2388536	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	6.93	Spike	P	0 - 30
2388536	Perfluorobutanesulfonic acid (PFBS)	4.68	Spike	P	0 - 30
2388536	Perfluorobutanoic acid (PFBA)	2.25	Spike	P	0 - 30
2388536	Perfluorodecanesulfonic acid (PFDS)	0.280	Spike	P	0 - 30
2388536	Perfluorodecanoic acid (PFDA)	12.5	Spike	P	0 - 30
2388536	Perfluorododecanoic acid (PFDoA)	3.72	Spike	P	0 - 30
2388536	Perfluoroheptanesulfonic acid (PFHpS)	3.01	Spike	P	0 - 30
2388536	Perfluoroheptanoic acid (PFHpA)	21.1	Spike	P	0 - 30
2388536	Perfluorohexanesulfonic acid (PFHxS)	2.23	Spike	P	0 - 30
2388536	Perfluorohexanoic acid (PFHxA)	17.0	Spike	P	0 - 30
2388536	Perfluorononanesulfonic acid (PFNS)	3.01	Spike	P	0 - 30
2388536	Perfluorononanoic acid (PFNA)	4.75	Spike	P	0 - 30
2388536	Perfluorooctanesulfonic acid (PFOS)	9.76	Spike	P	0 - 30
2388536	Perfluorooctanoic acid (PFOA)	1.14	Spike	P	0 - 30
2388536	Perfluoropentanesulfonic acid (PFPeS)	7.04	Spike	P	0 - 30
2388536	Perfluoropentanoic acid (PFPeA)	7.91	Spike	P	0 - 30
2388536	Perfluoropropanesulfonic acid (PFPrS)	4.13	Spike	P	0 - 30
2388536	Perfluorotetradecanoic acid (PFTeA)	13.6	Spike	P	0 - 30
2388536	Perfluorotridecanoic acid (PFTriA)	1.57	Spike	P	0 - 30
2388536	Perfluoroundecanoic acid (PFUnA)	6.22	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3

Batch ID: P426182

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2388726	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	16.5	Spike	P	0 - 35
2388726	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	5.45	Spike	P	0 - 35
2388726	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	1.88	Spike	P	0 - 35
2388726	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	6.54	Spike	P	0 - 35
2388726	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	10.7	Spike	P	0 - 35
2388726	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	6.59	Spike	P	0 - 35
2388726	Hexafluoropropylene oxide dimer acid (HFPO-DA)	5.32	Spike	P	0 - 35
2388726	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.86	Spike	P	0 - 35
2388726	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.26	Spike	P	0 - 35

Quality Assurance Report Precision

Reference Method: DEP SOP: LC-001-3

Batch ID: P426182

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2388726	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	35.4	Spike	F	0 - 35
2388726	Perfluoro-1-butane sulfonamide (FBSA)	5.05	Spike	P	0 - 35
2388726	Perfluoro-1-hexane sulfonamide (FHxSA)	2.47	Spike	P	0 - 35
2388726	Perfluoro-1-octane sulfonamide (FOSA)	6.59	Spike	P	0 - 35
2388726	Perfluoro-3-methoxypropanoic acid (PFMPA)	3.50	Spike	P	0 - 35
2388726	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.387	Spike	P	0 - 35
2388726	Perfluoro-4-methoxybutanoic acid (PFMBA)	11.8	Spike	P	0 - 35
2388726	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	3.72	Spike	P	0 - 35
2388726	Perfluorobutanesulfonic acid (PFBS)	1.36	Spike	P	0 - 35
2388726	Perfluorobutanoic acid (PFBA)	4.11	Spike	P	0 - 35
2388726	Perfluorodecanesulfonic acid (PFDS)	3.68	Spike	P	0 - 35
2388726	Perfluorodecanoic acid (PFDA)	29.9	Spike	P	0 - 35
2388726	Perfluorododecanoic acid (PFDoA)	7.91	Spike	P	0 - 35
2388726	Perfluoroheptanesulfonic acid (PFHpS)	15.4	Spike	P	0 - 35
2388726	Perfluoroheptanoic acid (PFHpA)	17.1	Spike	P	0 - 35
2388726	Perfluorohexanesulfonic acid (PFHxS)	6.39	Spike	P	0 - 35
2388726	Perfluorohexanoic acid (PFHxA)	8.75	Spike	P	0 - 35
2388726	Perfluorononanesulfonic acid (PFNS)	7.22	Spike	P	0 - 35
2388726	Perfluorononanoic acid (PFNA)	10.4	Spike	P	0 - 35
2388726	Perfluorooctanesulfonic acid (PFOS)	14.0	Spike	P	0 - 35
2388726	Perfluorooctanoic acid (PFOA)	1.92	Spike	P	0 - 35
2388726	Perfluoropentanesulfonic acid (PFPeS)	2.96	Spike	P	0 - 35
2388726	Perfluoropentanoic acid (PFPeA)	11.7	Spike	P	0 - 35
2388726	Perfluoropropanesulfonic acid (PFPrS)	1.36	Spike	P	0 - 35
2388726	Perfluorotetradecanoic acid (PFTeA)	0.486	Spike	P	0 - 35
2388726	Perfluorotridecanoic acid (PFTriA)	13.1	Spike	P	0 - 35
2388726	Perfluoroundecanoic acid (PFUnA)	4.54	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3

Batch ID: P426183

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2388822	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.0335	Spike	P	0 - 35
2388822	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	17.9	Spike	P	0 - 35
2388822	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	17.4	Spike	P	0 - 35
2388822	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	21.8	Spike	P	0 - 35
2388822	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	13.5	Spike	P	0 - 35
2388822	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.71	Spike	P	0 - 35
2388822	Hexafluoropropylene oxide dimer acid (HFPO-DA)	17.8	Spike	P	0 - 35
2388822	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	18.6	Spike	P	0 - 35
2388822	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	11.0	Spike	P	0 - 35
2388822	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	12.2	Spike	P	0 - 35
2388822	Perfluoro-1-butane sulfonamide (FBSA)	0.966	Spike	P	0 - 35
2388822	Perfluoro-1-hexane sulfonamide (FHxSA)	8.43	Spike	P	0 - 35
2388822	Perfluoro-1-octane sulfonamide (FOSA)	7.00	Spike	P	0 - 35
2388822	Perfluoro-3-methoxypropanoic acid (PFMPA)	9.87	Spike	P	0 - 35
2388822	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.25	Spike	P	0 - 35
2388822	Perfluoro-4-methoxybutanoic acid (PFMBA)	3.82	Spike	P	0 - 35
2388822	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	2.48	Spike	P	0 - 35
2388822	Perfluorobutanesulfonic acid (PFBS)	5.46	Spike	P	0 - 35

Quality Assurance Report Precision

Reference Method: DEP SOP: LC-001-3

Batch ID: P426183

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2388822	Perfluorobutanoic acid (PFBA)	5.68	Spike	P	0 - 35
2388822	Perfluorodecanesulfonic acid (PFDS)	1.60	Spike	P	0 - 35
2388822	Perfluorodecanoic acid (PFDA)	39.2	Spike	F	0 - 35
2388822	Perfluorododecanoic acid (PFDoA)	11.0	Spike	P	0 - 35
2388822	Perfluoroheptanesulfonic acid (PFHpS)	11.4	Spike	P	0 - 35
2388822	Perfluoroheptanoic acid (PFHpA)	5.40	Spike	P	0 - 35
2388822	Perfluorohexanesulfonic acid (PFHxS)	6.28	Spike	P	0 - 35
2388822	Perfluorohexanoic acid (PFHxA)	11.4	Spike	P	0 - 35
2388822	Perfluorononanesulfonic acid (PFNS)	9.04	Spike	P	0 - 35
2388822	Perfluorononanoic acid (PFNA)	10.1	Spike	P	0 - 35
2388822	Perfluorooctanesulfonic acid (PFOS)	0.173	Spike	P	0 - 35
2388822	Perfluorooctanoic acid (PFOA)	9.83	Spike	P	0 - 35
2388822	Perfluoropentanesulfonic acid (PFPeS)	9.54	Spike	P	0 - 35
2388822	Perfluoropentanoic acid (PFPeA)	5.18	Spike	P	0 - 35
2388822	Perfluoropropanesulfonic acid (PFPrS)	0.770	Spike	P	0 - 35
2388822	Perfluorotetradecanoic acid (PFTeA)	6.46	Spike	P	0 - 35
2388822	Perfluorotridecanoic acid (PFTriA)	21.4	Spike	P	0 - 35
2388822	Perfluoroundecanoic acid (PFUnA)	2.72	Spike	P	0 - 35

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report Surrogates

Lab Sample ID: 2388726

Field Sample ID: SB-80 (0-0.5)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	91.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	88.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	91.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	94.8	P	30 - 160

Lab Sample ID: 2388727

Field Sample ID: SB-80 (0.5-2)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	95.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	87.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	95.0	P	30 - 160

Lab Sample ID: 2388728

Field Sample ID: SB-80 (2-4)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	99.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	96.3	P	30 - 160

Lab Sample ID: 2388729

Field Sample ID: SB-80 (5-7)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	98.3	P	30 - 160

Lab Sample ID: 2388730

Field Sample ID: SB-80 (8-10)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2388731

Field Sample ID: SB-83 (0-0.5)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	146	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2388731
Field Sample ID: SB-83 (0-0.5)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	140	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	144	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	100	P	30 - 160

Lab Sample ID: 2388732
Field Sample ID: SB-83 (0.5-2)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	90.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	96.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	126	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	95.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	90.2	P	30 - 160

Lab Sample ID: 2388733
Field Sample ID: SB-83 (2-4)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	99.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	80.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	81.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.1	P	30 - 160

Lab Sample ID: 2388734
Field Sample ID: SB-83 (5-7)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	96.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	93.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	90.7	P	30 - 160

Lab Sample ID: 2388735
Field Sample ID: SB-83 (8-10)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	87.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.7	P	30 - 160

Lab Sample ID: 2388736
Field Sample ID: SB-81 (0-0.5)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	90.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	71.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	91.2	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2388736
Field Sample ID: SB-81 (0-0.5)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	81.0	P	30 - 160

Lab Sample ID: 2388737
Field Sample ID: SB-81 (0.5-2)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	99.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.3	P	30 - 160

Lab Sample ID: 2388738
Field Sample ID: SB-81 (2-4)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	86.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	93.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	60.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	85.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	91.3	P	30 - 160

Lab Sample ID: 2388739
Field Sample ID: SB-81 (5-7)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	87.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	97.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	64.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	95.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.8	P	30 - 160

Lab Sample ID: 2388740
Field Sample ID: SB-81 (8-10)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	81.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	60.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	95.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	80.8	P	30 - 160

Lab Sample ID: 2388741
Field Sample ID: SB-82 (0-0.5)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	96.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	71.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	95.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.6	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2388742

Field Sample ID: SB-82 (0.5-2)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	88.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	90.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	63.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	82.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	79.4	P	30 - 160

Lab Sample ID: 2388743

Field Sample ID: SB-82 (2-4)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	88.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	78.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	60.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	72.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.9	P	30 - 160

Lab Sample ID: 2388744

Field Sample ID: SB-82 (5-7)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	94.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	78.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.4	P	30 - 160

Lab Sample ID: 2388745

Field Sample ID: SB-82 (8-10)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	94.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	62.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	92.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.1	P	30 - 160

Lab Sample ID: 2388746

Field Sample ID: SB-79 (0-0.5)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	83.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	77.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	67.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	91.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.5	P	30 - 160

Lab Sample ID: 2388747

Field Sample ID: SB-79 (0.5-2)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	96.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	83.5	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2388747

Field Sample ID: SB-79 (0.5-2)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	70.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	77.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	80.4	P	30 - 160

Lab Sample ID: 2388748

Field Sample ID: SB-79 (2-4)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	85.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	86.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	90.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.2	P	30 - 160

Lab Sample ID: 2388753

Field Sample ID: EQB-64

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	98.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	99.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	133	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	98.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.9	P	30 - 160

Lab Sample ID: 2388821

Field Sample ID: SB-79 (5-7)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	67.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	84.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	90.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	99.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	57.5	P	30 - 160

Lab Sample ID: 2388822

Field Sample ID: SB-79 (8-10)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	76.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	84.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	77.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	94.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	67.9	P	30 - 160

Lab Sample ID: 2388823

Field Sample ID: SB-87 (0-0.5)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	81.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	96.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	93.4	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2388823
Field Sample ID: SB-87 (0-0.5)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	95.4	P	30 - 160

Lab Sample ID: 2388824
Field Sample ID: SB-87 (0.5-2)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	99.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	66.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	51.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	69.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.3	P	30 - 160

Lab Sample ID: 2388825
Field Sample ID: SB-86 (0-0.5)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	95.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	81.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	88.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	85.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.6	P	30 - 160

Lab Sample ID: 2388826
Field Sample ID: SB-84 (0-0.5)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	93.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	76.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	75.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	86.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	82.1	P	30 - 160

Lab Sample ID: 2388827
Field Sample ID: SB-86 (0.5-2)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	78.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	66.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	84.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	109	P	30 - 160

Lab Sample ID: 2388828
Field Sample ID: SB-84 (0.5-2)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	87.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	82.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	90.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	81.9	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2388829

Field Sample ID: SB-85 (0-0.5)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	77.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	61.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	86.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	94.0	P	30 - 160

Lab Sample ID: 2388830

Field Sample ID: SB-85 (0.5-2)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	78.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	90.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	72.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.5	P	30 - 160

Lab Sample ID: 2388831

Field Sample ID: SW-22

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	80.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	99.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	139	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.5	P	30 - 160

Lab Sample ID: 2388832

Field Sample ID: SW-23

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	91.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	92.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	97.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	90.4	P	30 - 160

Lab Sample ID: 2388833

Field Sample ID: SW-21

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	98.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	138	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	123	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	101	P	30 - 160

Lab Sample ID: 2388834

Field Sample ID: SW-21 (dup)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	79.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	100	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2388834

Field Sample ID: SW-21 (dup)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	81.5	P	30 - 160

Lab Sample ID: 2388835

Field Sample ID: FRB-22

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	82.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	89.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	96.6	P	30 - 160

Lab Sample ID: 2388836

Field Sample ID: FRB-21

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	80.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	89.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	93.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	84.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	102	P	30 - 160

Lab Sample ID: 2388837

Field Sample ID: EQB-66

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	93.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	92.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	136	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	100	P	30 - 160

Lab Sample ID: 2388838

Field Sample ID: EQB-67

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	92.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	93.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	93.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	80.9	P	30 - 160

Lab Sample ID: 2388839

Field Sample ID: EQB-65

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	92.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	92.1	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2388839
Field Sample ID: EQB-65

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.8	P	30 - 160

Lab Sample ID: 2388840
Field Sample ID: EQB-68

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	91.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	93.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	93.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	101	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A117714

Included Lab Sample IDs: 2388726, 2388727, 2388728, 2388729, 2388730, 2388731, 2388732, 2388733, 2388734, 2388735, 2388736, 2388737, 2388738, 2388739, 2388740, 2388741, 2388742, 2388743, 2388744, 2388745

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	126	128	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	128	148	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	148	105	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	115	91.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	121	133	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	133	115	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	107	94.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	107	111	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	94.9	107	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	130	99.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	133	130	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	99.5	111	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	65.6	68.0	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	66.9	86.0	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	86.0	65.6	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	137	102	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	94.9	137	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	98.2	94.9	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	111	97.6	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	94.6	103	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	97.6	94.6	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	101	125	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	89.3	99.4	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	99.4	101	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	67.7	108	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	87.9	97.4	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	97.4	67.7	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	103	116	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	135	96.1	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	96.1	103	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	105	96.4	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	87.5	105	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	96.4	91.1	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	72.3	68.0	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	80.5	72.3	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	81.1	80.5	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	102	118	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	118	100	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	97.6	102	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	101	94.5	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	104	101	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	106	104	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	88.3	89.5	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	89.5	92.8	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	95.6	88.3	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	103	119	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	115	102	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	119	115	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	108	113	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	111	108	P/P	60 - 160

Quality Assurance Report

Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A117714

Included Lab Sample IDs: 2388726, 2388727, 2388728, 2388729, 2388730, 2388731, 2388732, 2388733, 2388734, 2388735, 2388736, 2388737, 2388738, 2388739, 2388740, 2388741, 2388742, 2388743, 2388744, 2388745

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113	112	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	103	114	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	111	103	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	114	109	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	93.4	93.4	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	93.4	93.4	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	97.3	93.4	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	105	119	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	113	105	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	119	102	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	82.3	94.8	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	94.8	96.7	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	96.7	88.4	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	109	90.6	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	74.2	88.3	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	88.3	109	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	86.5	90.9	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	87.2	86.5	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	96.7	87.2	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	104	99.2	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	97.5	102	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	99.2	97.5	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	102	117	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	106	112	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	117	106	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	106	113	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	113	94.0	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	96.0	106	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	100	145	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	115	100	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	145	117	P/P	60 - 160
Perfluorononanoic acid (PFNA)	102	83.5	P/P	60 - 160
Perfluorononanoic acid (PFNA)	120	102	P/P	60 - 160
Perfluorononanoic acid (PFNA)	98.2	120	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	109	93.2	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	93.3	99.4	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	99.4	109	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	77.7	98.5	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	93.8	77.7	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	98.5	101	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	103	115	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	105	103	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	115	118	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	101	96.0	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	105	113	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	96.0	105	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	75.5	93.5	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	92.1	75.5	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	93.5	96.4	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	110	119	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A117714

Included Lab Sample IDs: 2388726, 2388727, 2388728, 2388729, 2388730, 2388731, 2388732, 2388733, 2388734, 2388735, 2388736, 2388737, 2388738, 2388739, 2388740, 2388741, 2388742, 2388743, 2388744, 2388745

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorotetradecanoic acid (PFTeA)	119	124	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	95.2	110	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	115	99.3	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	93.9	98.6	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	98.6	115	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	103	101	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	130	103	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	93.0	130	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3

Run ID: A117923

Included Lab Sample IDs: 2388753, 2388831, 2388832, 2388833, 2388834, 2388835, 2388836, 2388837, 2388838, 2388839, 2388840

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	106	89.6	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	82.5	92.4	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	89.6	82.5	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	92.4	86.0	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	104	146	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	119	123	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	123	104	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	146	138	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	108	93.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	109	133	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	133	95.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	93.8	109	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	102	91.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	119	125	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	132	119	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	91.4	132	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	110	86.8	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	71.3	80.5	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	80.5	109	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	86.8	71.3	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	101	86.7	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	107	101	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	91.6	107	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	98.7	91.6	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	101	97.4	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	81.6	93.6	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	93.6	101	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	97.4	111	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	103	91.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	108	92.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	81.8	103	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	91.7	108	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	95.6	99.0	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	97.3	97.6	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	97.6	95.6	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	99.0	106	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A117923

Included Lab Sample IDs: 2388753, 2388831, 2388832, 2388833, 2388834, 2388835, 2388836, 2388837, 2388838, 2388839, 2388840

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	104	144	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	144	91.3	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	72.8	99.1	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	91.3	72.8	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	82.8	85.2	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	85.2	88.7	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	88.7	77.9	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	97.0	82.8	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	101	106	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	106	90.9	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	97.0	101	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	100	97.0	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	104	108	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	108	111	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	111	112	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	112	106	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	114	117	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	116	118	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	117	116	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	118	121	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	106	103	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	90.7	95.7	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	91.8	90.7	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	95.7	106	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	110	117	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	111	110	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	113	111	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	117	113	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	92.9	93.5	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	93.5	93.9	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	93.9	86.6	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	97.3	92.9	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	101	98.1	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	96.2	99.2	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	98.1	99.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	99.2	101	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	103	99.0	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	97.0	109	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	97.3	97.0	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	99.0	97.3	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	101	104	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	104	117	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	109	101	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	117	109	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	72.4	89.3	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	80.9	72.4	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	81.9	80.9	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	86.4	81.9	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	112	99.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	69.4	93.6	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	93.6	72.1	P/P	60 - 160

Quality Assurance Report

Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A117923

Included Lab Sample IDs: 2388753, 2388831, 2388832, 2388833, 2388834, 2388835, 2388836, 2388837, 2388838, 2388839, 2388840

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorododecanoic acid (PFDoA)	99.7	69.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	114	115	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	88.7	96.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	96.4	97.3	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	97.3	114	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	102	120	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	103	120	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	118	102	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	120	103	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	109	105	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	96.2	96.8	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	96.8	98.1	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	98.1	109	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	121	92.8	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	89.3	91.6	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	91.6	115	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	92.8	89.3	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	101	109	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	102	109	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	109	99.9	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	99.9	102	P/P	60 - 160
Perfluorononanoic acid (PFNA)	100	91.8	P/P	60 - 160
Perfluorononanoic acid (PFNA)	102	100	P/P	60 - 160
Perfluorononanoic acid (PFNA)	110	142	P/P	60 - 160
Perfluorononanoic acid (PFNA)	91.8	110	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	101	95.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	110	101	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	95.7	96.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	96.9	88.9	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	102	90.1	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	79.2	82.1	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	82.6	79.2	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	90.1	82.6	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	104	111	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	109	104	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	111	112	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	99.7	109	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	81.2	82.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	82.5	97.1	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	97.1	88.2	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	98.8	81.2	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	106	93.2	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	79.2	106	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	88.2	79.2	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	93.2	118	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	109	93.8	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	84.2	101	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	88.8	84.2	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	93.8	88.8	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	76.9	94.2	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	88.9	87.1	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A117923

Included Lab Sample IDs: 2388753, 2388831, 2388832, 2388833, 2388834, 2388835, 2388836, 2388837, 2388838, 2388839, 2388840

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorotridecanoic acid (PFTriA)	94.2	88.9	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	96.5	76.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	119	123	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	123	91.1	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	83.5	119	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	91.1	97.1	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3

Run ID: A118112

Included Lab Sample IDs: 2388746, 2388747, 2388748, 2388821, 2388822, 2388823, 2388824, 2388825, 2388826, 2388827, 2388828, 2388829, 2388830

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	77.9	92.1	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	78.8	77.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	87.5	140	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	96.4	87.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	90.9	94.0	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	94.0	94.7	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	109	96.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	97.0	109	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	114	130	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	130	114	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	78.8	87.6	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	82.5	78.8	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	119	88.7	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	131	119	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	90.1	90.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	90.7	90.5	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	102	86.1	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	86.1	99.1	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	145	129	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	85.4	145	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	106	96.4	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	96.4	105	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	124	128	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	125	124	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	107	112	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	111	107	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	89.0	93.2	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	93.2	89.6	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	105	109	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	109	107	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	92.1	95.4	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	95.4	95.9	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	103	106	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	106	108	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	106	105	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	106	106	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	111	101	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	98.3	111	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118112

Included Lab Sample IDs: 2388746, 2388747, 2388748, 2388821, 2388822, 2388823, 2388824, 2388825, 2388826, 2388827, 2388828, 2388829, 2388830

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorodecanesulfonic acid (PFDS)	76.7	87.6	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	80.4	76.7	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	118	88.5	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	70.3	118	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	128	151	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	95.4	128	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	119	120	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	120	117	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	88.7	100	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	100	119	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	104	104	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	104	96.0	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	110	109	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	90.4	110	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	66.8	70.5	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	70.5	74.5	P/P	60 - 160
Perfluorononanoic acid (PFNA)	109	118	P/P	60 - 160
Perfluorononanoic acid (PFNA)	122	109	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	80.8	93.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	83.2	80.8	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	139	97.3	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	97.3	129	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	91.8	99.8	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	97.2	91.8	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	120	92.8	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	92.8	119	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	104	86.5	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	91.4	104	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	77.6	114	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	94.7	77.6	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	73.0	78.5	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	78.5	74.2	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	118	146	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	156	118	P/P	60 - 160

* Pass/Fail determinations are made for each bracketing calibration verification check.

Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.

Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision SMP	MS
DEP SOP: LC-001-3	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	73.9	52.9	65.7			21.5
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	114	118	139			16.5
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	77.3	71.7	71.7			0.0335
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	166	128	140			9.04
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	131	106	112			5.45
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	127	98.7	118			17.9
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	119	115	121			4.58
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	132	108	106			1.88
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	98.5	83.8	99.8			17.4
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	113	149	132			11.5
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	124	139	130			6.54
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	89.3	81.8	102			21.8
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	113	111	99.5			11.3
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	74.9	72.9	81.2			10.7
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	116	113	98.4			13.5
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	105	92.1	95.5			3.62
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	107	99.1	106			6.59
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	81.8	77.2	74.4			3.71
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	98.8	112	115			2.75
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	100	107	113			5.32
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	64.6	83.4	99.7			17.8
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	112	107	119			10.1
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	127	119	126			5.86
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	80.2	90.0	74.7			18.6
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	112	97.2	112			14.5
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	87.5	106	101			4.26
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	98.3	66.7	74.4			11.0

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision SMP	MS
DEP SOP: LC-001-3	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	84.2	76.1	76.8			0.848
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	98.3	169	118			35.4
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	115	82.2	92.9			12.2
	Perfluoro-1-butane sulfonamide (FBSA)	129	112	105			6.09
	Perfluoro-1-butane sulfonamide (FBSA)	101	93.2	98.0			5.05
	Perfluoro-1-butane sulfonamide (FBSA)	107	95.8	96.8			0.966
	Perfluoro-1-hexane sulfonamide (FHxSA)	145	128	117			9.26
	Perfluoro-1-hexane sulfonamide (FHxSA)	93.9	84.7	86.8			2.47
	Perfluoro-1-hexane sulfonamide (FHxSA)	135	106	115			8.43
	Perfluoro-1-octane sulfonamide (FOSA)	126	131	136			3.07
	Perfluoro-1-octane sulfonamide (FOSA)	111	98.1	105			6.59
	Perfluoro-1-octane sulfonamide (FOSA)	105	95.6	102			7.00
	Perfluoro-3-methoxypropanoic acid (PFMPA)	137	149	147			1.05
	Perfluoro-3-methoxypropanoic acid (PFMPA)	107	120	124			3.50
	Perfluoro-3-methoxypropanoic acid (PFMPA)	86.6	80.9	89.3			9.87
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	107	116	108			7.04
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	103	102	101			0.387
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	105	95.6	99.8			4.25
	Perfluoro-4-methoxybutanoic acid (PFMBA)	138	158	141			11.6
	Perfluoro-4-methoxybutanoic acid (PFMBA)	116	114	129			11.8
	Perfluoro-4-methoxybutanoic acid (PFMBA)	104	84.9	88.2			3.82
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	104	105	112			6.93
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	125	120	124			3.72
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	100	97.4	99.8			2.48
	Perfluorobutanesulfonic acid (PFBS)	107	115	123			4.68
	Perfluorobutanesulfonic acid (PFBS)	120	123	125			1.36
	Perfluorobutanesulfonic acid (PFBS)	95.4	92.5	97.7			5.46
	Perfluorobutanoic acid (PFBA)	126	139	144			2.25
	Perfluorobutanoic acid (PFBA)	116	113	118			4.11
	Perfluorobutanoic acid (PFBA)	73.4	67.7	71.6			5.68
	Perfluorodecanesulfonic acid (PFDS)	111	76.4	76.6			0.280
	Perfluorodecanesulfonic acid (PFDS)	108	108	112			3.68

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
DEP SOP: LC-001-3	Perfluorodecanesulfonic acid (PFDS)	75.7	76.6	75.4		1.60
	Perfluorodecanoic acid (PFDA)	108	129	146		12.5
	Perfluorodecanoic acid (PFDA)	92.4	89.7	121		29.9
	Perfluorodecanoic acid (PFDA)	74.6	66.1	98.4		39.2
	Perfluorododecanoic acid (PFDoA)	91.7	123	128		3.72
	Perfluorododecanoic acid (PFDoA)	122	113	123		7.91
	Perfluorododecanoic acid (PFDoA)	82.8	121	108		11.0
	Perfluoroheptanesulfonic acid (PFHpS)	114	121	117		3.01
	Perfluoroheptanesulfonic acid (PFHpS)	102	97.0	113		15.4
	Perfluoroheptanesulfonic acid (PFHpS)	110	98.7	111		11.4
	Perfluoroheptanoic acid (PFHpA)	108	125	82.5		21.1
	Perfluoroheptanoic acid (PFHpA)	118	134	113		17.1
	Perfluoroheptanoic acid (PFHpA)	98.5	78.2	82.5		5.40
	Perfluorohexanesulfonic acid (PFHxS)	118	124	120		2.23
	Perfluorohexanesulfonic acid (PFHxS)	124	120	128		6.39
	Perfluorohexanesulfonic acid (PFHxS)	87.0	86.1	91.7		6.28
	Perfluorohexanoic acid (PFHxA)	117	150	109		17.0
	Perfluorohexanoic acid (PFHxA)	112	113	123		8.75
	Perfluorohexanoic acid (PFHxA)	111	118	106		11.4
	Perfluorononanesulfonic acid (PFNS)	117	95.9	98.9		3.01
	Perfluorononanesulfonic acid (PFNS)	108	133	143		7.22
	Perfluorononanesulfonic acid (PFNS)	62.6	65.1	71.3		9.04
	Perfluorononanoic acid (PFNA)	107	121	127		4.75
	Perfluorononanoic acid (PFNA)	82.0	118	106		10.4
	Perfluorononanoic acid (PFNA)	128	111	101		10.1
	Perfluorooctanesulfonic acid (PFOS)	113				9.76
	Perfluorooctanesulfonic acid (PFOS)	121	122	151		14.0
	Perfluorooctanesulfonic acid (PFOS)	79.7	79.4	79.3		0.173
	Perfluorooctanoic acid (PFOA)	124	107	104		1.14
	Perfluorooctanoic acid (PFOA)	97.2	99.1	97.2		1.92
	Perfluorooctanoic acid (PFOA)	110	108	119		9.83
	Perfluoropentanesulfonic acid (PFPeS)	111	117	127		7.04
	Perfluoropentanesulfonic acid (PFPeS)	130	122	125		2.96
	Perfluoropentanesulfonic acid (PFPeS)	95.4	101	91.4		9.54
	Perfluoropentanoic acid (PFPeA)	111	110	128		7.91
	Perfluoropentanoic acid (PFPeA)	109	98.1	110		11.7
	Perfluoropentanoic acid (PFPeA)	116	109	103		5.18
	Perfluoropropanesulfonic acid (PFPrS)	106	122	128		4.13
	Perfluoropropanesulfonic acid (PFPrS)	125	123	121		1.36

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision	
					LCS	SMP
DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)	95.9	92.7	93.4		0.770
	Perfluorotetradecanoic acid (PFTeA)	86.4	99.5	114		13.6
	Perfluorotetradecanoic acid (PFTeA)	116	108	109		0.486
	Perfluorotetradecanoic acid (PFTeA)	122	61.5	57.6		6.46
	Perfluorotridecanoic acid (PFTriA)	98.8	95.6	97.1		1.57
	Perfluorotridecanoic acid (PFTriA)	114	126	111		13.1
	Perfluorotridecanoic acid (PFTriA)	77.5	72.8	90.3		21.4
	Perfluoroundecanoic acid (PFUnA)	117	111	105		6.22
	Perfluoroundecanoic acid (PFUnA)	84.8	112	118		4.54
	Perfluoroundecanoic acid (PFUnA)	119	103	106		2.72

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: LC-001-3	Perfluorinated alkyl substances in sediment/solid matrices by HPLC/MS/MS	2388726, 2388727, 2388728, 2388729, 2388730, 2388731, 2388732, 2388733, 2388734, 2388735, 2388736, 2388737, 2388738, 2388739, 2388740, 2388741, 2388742, 2388743, 2388744, 2388745, 2388746, 2388747, 2388748, 2388821, 2388822, 2388823, 2388824, 2388825, 2388826, 2388827, 2388828, 2388829, 2388830
DEP SOP: LC-001-3	Perfluorinated alkyl substances in water matrices by HPLC/MS/MS	2388753, 2388831, 2388832, 2388833, 2388834, 2388835, 2388836, 2388837, 2388838, 2388839, 2388840
SM 2540 G (20th)	Percent solid determination before the other sample preparations.	2388754, 2388755, 2388756, 2388757, 2388758, 2388759, 2388760, 2388761, 2388762, 2388763, 2388764, 2388765, 2388766, 2388767, 2388768, 2388769, 2388770, 2388771, 2388772, 2388773, 2388775, 2388776, 2388777, 2388841, 2388842, 2388847, 2388848, 2388849, 2388850, 2388851, 2388852, 2388853, 2388854

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: LC-001-3	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 16:15	Tae K Lee	2388726
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 16:47	Tae K Lee	2388727
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 17:09	Tae K Lee	2388728
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 17:20	Tae K Lee	2388729
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 17:30	Tae K Lee	2388730
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 17:41	Tae K Lee	2388731
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 17:52	Tae K Lee	2388732
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 18:03	Tae K Lee	2388733
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 18:13	Tae K Lee	2388734
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 18:24	Tae K Lee	2388735
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 18:35	Tae K Lee	2388736
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 18:56	Tae K Lee	2388737
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 19:07	Tae K Lee	2388738
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 19:18	Tae K Lee	2388739
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 19:29	Tae K Lee	2388740
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 19:40	Tae K Lee	2388741
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 19:50	Tae K Lee	2388742
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 20:01	Tae K Lee	2388743
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 20:12	Tae K Lee	2388744
	02/21/2023	02/22/2023 09:00	Hoor Shaik	02/23/2023 20:23	Tae K Lee	2388745
	02/21/2023	02/28/2023 09:00	Hoor Shaik	03/07/2023 14:09	Tae K Lee	2388753
	02/21/2023	02/28/2023 09:00	Hoor Shaik	03/07/2023 14:20	Tae K Lee	2388835
	02/21/2023	02/28/2023 09:00	Hoor Shaik	03/07/2023 14:30	Tae K Lee	2388836
	02/21/2023	02/28/2023 09:00	Hoor Shaik	03/07/2023 14:41	Tae K Lee	2388837
	02/21/2023	02/28/2023 09:00	Hoor Shaik	03/07/2023 14:52	Tae K Lee	2388838
	02/21/2023	02/28/2023 09:00	Hoor Shaik	03/07/2023 15:03	Tae K Lee	2388839
	02/21/2023	02/28/2023 09:00	Hoor Shaik	03/07/2023 15:24	Tae K Lee	2388840
	02/21/2023	02/28/2023 09:00	Hoor Shaik	03/07/2023 17:55	Tae K Lee	2388833
	02/21/2023	02/28/2023 09:00	Hoor Shaik	03/07/2023 18:06	Tae K Lee	2388834
	02/21/2023	02/28/2023 09:00	Hoor Shaik	03/07/2023 18:27	Tae K Lee	2388831
	02/21/2023	02/28/2023 09:00	Hoor Shaik	03/07/2023 19:00	Tae K Lee	2388832
	02/21/2023	03/09/2023 13:00	Hoor Shaik	03/22/2023 04:39	Mohammad Ghaffari	2388822
	02/21/2023	03/09/2023 13:00	Hoor Shaik	03/22/2023 04:51	Mohammad Ghaffari	2388746
	02/21/2023	03/09/2023 13:00	Hoor Shaik	03/22/2023 05:03	Mohammad Ghaffari	2388747
	02/21/2023	03/09/2023 13:00	Hoor Shaik	03/22/2023 05:15	Mohammad Ghaffari	2388748
	02/21/2023	03/09/2023 13:00	Hoor Shaik	03/22/2023 05:38	Mohammad Ghaffari	2388821
	02/21/2023	03/09/2023 13:00	Hoor Shaik	03/22/2023 05:50	Mohammad Ghaffari	2388823
	02/21/2023	03/09/2023 13:00	Hoor Shaik	03/22/2023 06:02	Mohammad Ghaffari	2388824
	02/21/2023	03/09/2023 13:00	Hoor Shaik	03/22/2023 06:14	Mohammad Ghaffari	2388825
	02/21/2023	03/09/2023 13:00	Hoor Shaik	03/22/2023 06:26	Mohammad Ghaffari	2388826

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: LC-001-3	02/21/2023	03/09/2023 13:00	Hoor Shaik	03/22/2023 06:38	Mohammad Ghaffari	2388827
	02/21/2023	03/09/2023 13:00	Hoor Shaik	03/22/2023 06:50	Mohammad Ghaffari	2388828
	02/21/2023	03/09/2023 13:00	Hoor Shaik	03/22/2023 07:02	Mohammad Ghaffari	2388829
	02/21/2023	03/09/2023 13:00	Hoor Shaik	03/22/2023 07:13	Mohammad Ghaffari	2388830

Chemical Analysis Report

SIS-2023-02-22-02

Florida DEP Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

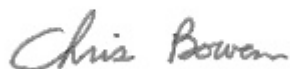
Event Description: **Indian River State College**
Request ID: **RQ-2023-02-20-07**
Customer: **SIS**
Project ID: **SIS-PFAS**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Road
Twin Towers Bldg. MS# 4515
Tallahassee, FL 32399
Attn: Brandie Stringer

For additional information please contact
Colin Wright, Ph.D.
Chris Bowen, B.S.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Chris Bowen, Environmental Administrator

Date Certified: 28-MAR-2023 14:18



Case Narrative

Unless otherwise noted, all samples included in this report were received in accordance with protocols referenced in Chapter 62-160, Florida Administrative Code (F.A.C.). Results published in this report pertain only to the samples as submitted to, and received by the laboratory. All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Results for the following analytical group are included in this report: Pesticides.

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example: 1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited by the Florida Department of Health Environmental Laboratory Certification Program or where accreditation for that field of testing is not applicable.

Any significant anomalies or deviations from established protocols are documented in Non-Conformance Reports, which, where appropriate, are included within this analytical report. Additional comments related to specific analytical tests may be included as remarks following the analytical results for each sample. Such comments and remarks are for informational purposes only and are not intended to convey judgement about the usability of the reported data.

A quality control report on the performance of the test method for the submitted samples is included. Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published quality control acceptance limits for each analytical test. Matrix quality control results (matrix spike recoveries and matrix sample precision) pertain only to the matrix sample tested and do not necessarily reflect test method performance for other samples.

Typical matrix quality control (QC) measurements may include matrix spike recovery, matrix spike duplicate recovery, matrix spike precision and matrix sample precision. Not all matrix QC results may be available or reportable; where they are not an explanation is provided. Typical reasons for unavailable QC results include, but are not limited to, a) insufficient matrix sample to perform some or all QC measurements; b) analyte concentration in the sample replicated was too low for a meaningful measurement of precision and c) analyte concentration in the matrix sample spiked was too high (relative to the amount of analyte spiked) for a meaningful measurement of recovery. Where matrix QC results are unavailable, other method performance metrics (e.g., LCS recovery, LCS precision, surrogate recovery) may be used to assess performance of the method. Comments explaining any missing QC measurements are not intended to convey any adverse conclusions about the quality of the reported data.

Precision is reported as relative percent difference unless otherwise noted.

Quality Control codes as defined below may be used in this report to indicate results that are associated with one or more quality control elements which did not fall within established test method criteria. Such results may be qualified as estimates using a J qualifier as required by 62-160 F.A.C. Explanations are included in the report for any results that were reported as estimates for other reasons.

QC Codes used in this report may include:

- LCS – Recovery for the batch Laboratory Control Sample (LCS) was outside existing control limits;
- MS – Recovery for the batch matrix spike (MS) was outside existing control limits;
- CCV – Recovery for a continuing calibration verification (CCV) standard was outside existing control limits;
- SUR – Recovery of a surrogate (SUR) for associated analytes was outside existing control limits;
- RPD – The precision, measured as relative percent difference (RPD), of batch replicate measurements was outside existing control limits;
- RSD – The precision, measured as relative standard deviation (RSD), of batch replicate measurements was outside existing control limits;
- SMP – Sample - used precision derived from replicate analyses of a sample;

The following data qualifiers are used, where applicable, in this report as specified in 62-160 F.A.C.

- A - Value reported is the mean of two or more determinations.
- B - Results based on colony counts outside the acceptable range.
- I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J - Estimated value and/or the analysis did not meet established quality control criteria.
- K - Actual value is known to be less than value given.
- L - Actual value is known to be greater than value given.
- N - Presumptive evidence of presence of material.
- O - Sampled, but analysis lost or not performed.
- Q - Sample held beyond normal holding time.
- T - Value reported is less than the criterion of detection.
- U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
- V - Analyte was detected in both sample and method blank.
- X - Too few individuals to calculate SCI value.
- Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z - Colonies were too numerous to count (TNTC).

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Sample Location: Indian River State College

Collection Date/Time: 02/21/2023 09:35

Field ID: EQB-69

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2389407	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	1.9		ng/L	P427133	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427133	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427133	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427133	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427133	
		Perfluorohexanesulfonic acid (PFHxS)	2.0	I	ng/L	P427133	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427133	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427133	
		Perfluorooctanoic acid (PFOA)	4.7	I	ng/L	P427133	
		Perfluorooctanesulfonic acid (PFOS)	4.9	I	ng/L	P427133	
		Perfluoropentanoic acid (PFPeA)	2.8	I	ng/L	P427133	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427133	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427133	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427133	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427133	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427133	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427133	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427133	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427133	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427133	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427133	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427133	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427133	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427133	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427133	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427133	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427133	RPD
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427133	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427133	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427133	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427133	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427133	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427133	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427133	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427133	
		Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427133	

Field ID: EQB-69

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for PFOS could not be assessed due to a high concentration of parameter in the spiked sample. Results confirmed in re-extraction.

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: LC-001-3

Batch ID: P427133

Component	Result	Code	Units
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L
Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L
Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L
Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L
Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L
Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L
Perfluorobutanoic acid (PFBA)	4.0	U	ng/L
Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L
Perfluorodecanoic acid (PFDA)	4.0	U	ng/L
Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L
Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L
Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L
Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L
Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L
Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L
Perfluorononanoic acid (PFNA)	2.0	U	ng/L
Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L
Perfluorooctanoic acid (PFOA)	2.0	U	ng/L
Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L
Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L
Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L
Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L
Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L
Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P427133

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	80.1		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	116		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	124		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	105		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	113		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	91.4		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	150		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	135		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	106		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	98.6		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	113		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	118		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	133		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	119		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	123		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	119		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	131		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	119		P	30 - 160
Perfluorobutanoic acid (PFBA)	101		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	85.3		P	30 - 160
Perfluorodecanoic acid (PFDA)	111		P	30 - 160
Perfluorododecanoic acid (PFDoA)	132		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	144		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	137		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	115		P	30 - 160
Perfluorohexanoic acid (PFHxA)	143		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	77.6		P	30 - 160
Perfluorononanoic acid (PFNA)	141		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	105		P	30 - 160
Perfluorooctanoic acid (PFOA)	129		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	125		P	30 - 160
Perfluoropentanoic acid (PFPeA)	114		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	135		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	115		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	136		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	148		P	30 - 160

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P427133

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2391417	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	61.8	60.1	P/P	30 - 160
2391417	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	98.5	139	P/P	30 - 160
2391417	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	123	106	P/P	30 - 160
2391417	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	100	88.0	P/P	30 - 160
2391417	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	103	121	P/P	30 - 160
2391417	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	83.0	79.8	P/P	30 - 160
2391417	Hexafluoropropylene oxide dimer acid (HFPO-DA)	75.2	81.1	P/P	30 - 160
2391417	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	107	83.5	P/P	30 - 160
2391417	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	99.8	88.4	P/P	30 - 160
2391417	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	125	125	P/P	30 - 160
2391417	Perfluoro-1-butane sulfonamide (FBSA)	144	138	P/P	30 - 160
2391417	Perfluoro-1-hexane sulfonamide (FHxSA)	151	159	P/P	30 - 160
2391417	Perfluoro-1-octane sulfonamide (FOSA)	123	119	P/P	30 - 160
2391417	Perfluoro-3-methoxypropanoic acid (PFMPA)	110	95.8	P/P	30 - 160
2391417	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	118	112	P/P	30 - 160
2391417	Perfluoro-4-methoxybutanoic acid (PFMBA)	107	112	P/P	30 - 160
2391417	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	111	106	P/P	30 - 160
2391417	Perfluorobutanesulfonic acid (PFBS)	123	113	P/P	30 - 160
2391417	Perfluorobutanoic acid (PFBA)	126	119	P/P	30 - 160
2391417	Perfluorodecanesulfonic acid (PFDS)	60.2	56.6	P/P	30 - 160
2391417	Perfluorodecanoic acid (PFDA)	82.2	86.9	P/P	30 - 160
2391417	Perfluorododecanoic acid (PFDoA)	68.6	79.9	P/P	30 - 160
2391417	Perfluoroheptanesulfonic acid (PFHpS)	125	116	P/P	30 - 160
2391417	Perfluoroheptanoic acid (PFHpA)	74.1	75.0	P/P	30 - 160
2391417	Perfluorohexanesulfonic acid (PFHxS)	119	103	P/P	30 - 160
2391417	Perfluorohexanoic acid (PFHxA)	135	128	P/P	30 - 160
2391417	Perfluorononanesulfonic acid (PFNS)	64.7	63.9	P/P	30 - 160
2391417	Perfluorononanoic acid (PFNA)	132	121	P/P	30 - 160
2391417	Perfluorooctanoic acid (PFOA)	86.7	91.6	P/P	30 - 160
2391417	Perfluoropentanesulfonic acid (PFPeS)	114	108	P/P	30 - 160
2391417	Perfluoropentanoic acid (PFPeA)	137	142	P/P	30 - 160
2391417	Perfluoropropanesulfonic acid (PFPrS)	99.9	88.8	P/P	30 - 160
2391417	Perfluorotetradecanoic acid (PFTeA)	102	110	P/P	30 - 160
2391417	Perfluorotridecanoic acid (PFTriA)	116	93.8	P/P	30 - 160
2391417	Perfluoroundecanoic acid (PFUnA)	104	113	P/P	30 - 160

Quality Assurance Report Precision

Reference Method: DEP SOP: LC-001-3

Batch ID: P427133

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2391417	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.85	Spike	P	0 - 30
2391417	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	34.3	Spike	F	0 - 30
2391417	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	14.8	Spike	P	0 - 30
2391417	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	13.2	Spike	P	0 - 30
2391417	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	15.4	Spike	P	0 - 30
2391417	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.84	Spike	P	0 - 30
2391417	Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.50	Spike	P	0 - 30
2391417	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25.0	Spike	P	0 - 30
2391417	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	12.1	Spike	P	0 - 30
2391417	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.114	Spike	P	0 - 30
2391417	Perfluoro-1-butane sulfonamide (FBSA)	4.27	Spike	P	0 - 30
2391417	Perfluoro-1-hexane sulfonamide (FHxSA)	4.60	Spike	P	0 - 30
2391417	Perfluoro-1-octane sulfonamide (FOSA)	3.57	Spike	P	0 - 30
2391417	Perfluoro-3-methoxypropanoic acid (PFMPA)	13.5	Spike	P	0 - 30
2391417	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.89	Spike	P	0 - 30
2391417	Perfluoro-4-methoxybutanoic acid (PFMBA)	4.34	Spike	P	0 - 30
2391417	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	4.46	Spike	P	0 - 30
2391417	Perfluorobutanesulfonic acid (PFBS)	5.41	Spike	P	0 - 30
2391417	Perfluorobutanoic acid (PFBA)	4.18	Spike	P	0 - 30
2391417	Perfluorodecanesulfonic acid (PFDS)	6.16	Spike	P	0 - 30
2391417	Perfluorodecanoic acid (PFDA)	5.51	Spike	P	0 - 30
2391417	Perfluorododecanoic acid (PFDoA)	15.2	Spike	P	0 - 30
2391417	Perfluoroheptanesulfonic acid (PFHpS)	6.68	Spike	P	0 - 30
2391417	Perfluoroheptanoic acid (PFHpA)	0.828	Spike	P	0 - 30
2391417	Perfluorohexanesulfonic acid (PFHxS)	7.00	Spike	P	0 - 30
2391417	Perfluorohexanoic acid (PFHxA)	3.90	Spike	P	0 - 30
2391417	Perfluorononanesulfonic acid (PFNS)	1.19	Spike	P	0 - 30
2391417	Perfluorononanoic acid (PFNA)	9.21	Spike	P	0 - 30
2391417	Perfluorooctanesulfonic acid (PFOS)	0.305	Spike	P	0 - 30
2391417	Perfluorooctanoic acid (PFOA)	2.04	Spike	P	0 - 30
2391417	Perfluoropentanesulfonic acid (PFPeS)	4.36	Spike	P	0 - 30
2391417	Perfluoropentanoic acid (PFPeA)	2.64	Spike	P	0 - 30
2391417	Perfluoropropanesulfonic acid (PFPrS)	8.29	Spike	P	0 - 30
2391417	Perfluorotetradecanoic acid (PFTeA)	7.94	Spike	P	0 - 30
2391417	Perfluorotridecanoic acid (PFTriA)	21.1	Spike	P	0 - 30
2391417	Perfluoroundecanoic acid (PFUnA)	8.35	Spike	P	0 - 30

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report Surrogates

Lab Sample ID: 2389407
Field Sample ID: EQB-69

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	87.5	P	30 - 160
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	89.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	94.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	154	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	92.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	92.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	83.8	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118112

Included Lab Sample IDs: 2389407

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	83.0	86.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	123	126	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	93.4	114	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	109	110	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	89.7	147	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	80.7	83.1	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	108	111	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	87.6	101	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	85.4	91.8	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	127	144	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	102	109	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	124	129	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	101	113	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	92.6	96.4	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	112	115	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	105	87.9	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	111	98.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	104	101	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	98.2	104	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	80.2	80.3	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	75.1	67.9	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	153	77.0	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	113	123	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	101	117	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	94.6	99.1	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	115	90.5	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	66.3	70.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	124	144	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	89.9	92.5	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	134	107	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	101	100	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	109	112	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	97.9	89.0	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	105	89.2	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	76.8	61.2	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	134	149	P/P	60 - 160

* Pass/Fail determinations are made for each bracketing calibration verification check.

Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.

Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision SMP	MS
DEP SOP: LC-001-3	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	80.1	61.8	60.1			2.85
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	116	98.5	139			34.3
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	124	123	106			14.8
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	105	100	88.0			13.2
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	113	103	121			15.4
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	91.4	83.0	79.8			3.84
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	150	75.2	81.1			7.50
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	135	107	83.5			25.0
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	106	99.8	88.4			12.1
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	98.6	125	125			0.114
	Perfluoro-1-butane sulfonamide (FBSA)	113	144	138			4.27
	Perfluoro-1-hexane sulfonamide (FHxSA)	118	151	159			4.60
	Perfluoro-1-octane sulfonamide (FOSA)	133	123	119			3.57
	Perfluoro-3-methoxypropanoic acid (PFMPA)	119	110	95.8			13.5
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	123	118	112			4.89
	Perfluoro-4-methoxybutanoic acid (PFMBA)	119	107	112			4.34
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	131	111	106			4.46
	Perfluorobutanesulfonic acid (PFBS)	119	123	113			5.41
	Perfluorobutanoic acid (PFBA)	101	126	119			4.18
	Perfluorodecanesulfonic acid (PFDS)	85.3	60.2	56.6			6.16
	Perfluorodecanoic acid (PFDA)	111	82.2	86.9			5.51
	Perfluorododecanoic acid (PFDoA)	132	68.6	79.9			15.2
	Perfluoroheptanesulfonic acid (PFHpS)	144	125	116			6.68
	Perfluoroheptanoic acid (PFHpA)	137	74.1	75.0			0.828
	Perfluorohexanesulfonic acid (PFHxS)	115	119	103			7.00
	Perfluorohexanoic acid (PFHxA)	143	135	128			3.90
	Perfluorononanesulfonic acid (PFNS)	77.6	64.7	63.9			1.19
	Perfluorononanoic acid (PFNA)	141	132	121			9.21
	Perfluorooctanesulfonic acid (PFOS)	105					0.305
	Perfluorooctanoic acid (PFOA)	129	86.7	91.6			2.04
	Perfluoropentanesulfonic acid (PFPeS)	125	114	108			4.36
	Perfluoropentanoic acid (PFPeA)	114	137	142			2.64
	Perfluoropropanesulfonic acid (PFPrS)	135	99.9	88.8			8.29

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS	MS		
DEP SOP: LC-001-3	Perfluorotetradecanoic acid (PFTeA)	115	102	110		7.94
	Perfluorotridecanoic acid (PFTriA)	136	116	93.8		21.1
	Perfluoroundecanoic acid (PFUnA)	148	104	113		8.35

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: LC-001-3	Perfluorinated alkyl substances in water matrices by HPLC/MS/MS	2389407

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: LC-001-3	02/22/2023	03/15/2023 13:00	Hoor Shaik	03/21/2023 15:37	Mohammad Ghaffari	2389407

Chemical Analysis Report

SIS-2023-03-07-02

Florida DEP Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

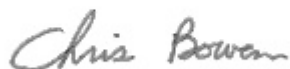
Event Description: **Indian River State College**
Request ID: **RQ-2023-02-20-07**
Customer: **SIS**
Project ID: **SIS-PFAS**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Road
Twin Towers Bldg. MS# 4515
Tallahassee, FL 32399
Attn: Brandie Stringer

For additional information please contact
Colin Wright, Ph.D.
Chris Bowen, B.S.
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Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Chris Bowen, Environmental Administrator

Date Certified: 11-APR-2023 14:52



Case Narrative

Unless otherwise noted, all samples included in this report were received in accordance with protocols referenced in Chapter 62-160, Florida Administrative Code (F.A.C.). Results published in this report pertain only to the samples as submitted to, and received by the laboratory. All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Results for the following analytical group are included in this report: Pesticides.

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example: 1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited by the Florida Department of Health Environmental Laboratory Certification Program or where accreditation for that field of testing is not applicable.

Any significant anomalies or deviations from established protocols are documented in Non-Conformance Reports, which, where appropriate, are included within this analytical report. Additional comments related to specific analytical tests may be included as remarks following the analytical results for each sample. Such comments and remarks are for informational purposes only and are not intended to convey judgement about the usability of the reported data.

A quality control report on the performance of the test method for the submitted samples is included. Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published quality control acceptance limits for each analytical test. Matrix quality control results (matrix spike recoveries and matrix sample precision) pertain only to the matrix sample tested and do not necessarily reflect test method performance for other samples.

Typical matrix quality control (QC) measurements may include matrix spike recovery, matrix spike duplicate recovery, matrix spike precision and matrix sample precision. Not all matrix QC results may be available or reportable; where they are not an explanation is provided. Typical reasons for unavailable QC results include, but are not limited to, a) insufficient matrix sample to perform some or all QC measurements; b) analyte concentration in the sample replicated was too low for a meaningful measurement of precision and c) analyte concentration in the matrix sample spiked was too high (relative to the amount of analyte spiked) for a meaningful measurement of recovery. Where matrix QC results are unavailable, other method performance metrics (e.g., LCS recovery, LCS precision, surrogate recovery) may be used to assess performance of the method. Comments explaining any missing QC measurements are not intended to convey any adverse conclusions about the quality of the reported data.

Precision is reported as relative percent difference unless otherwise noted.

Quality Control codes as defined below may be used in this report to indicate results that are associated with one or more quality control elements which did not fall within established test method criteria. Such results may be qualified as estimates using a J qualifier as required by 62-160 F.A.C. Explanations are included in the report for any results that were reported as estimates for other reasons.

QC Codes used in this report may include:

- LCS – Recovery for the batch Laboratory Control Sample (LCS) was outside existing control limits;
- MS – Recovery for the batch matrix spike (MS) was outside existing control limits;
- CCV – Recovery for a continuing calibration verification (CCV) standard was outside existing control limits;
- SUR – Recovery of a surrogate (SUR) for associated analytes was outside existing control limits;
- RPD – The precision, measured as relative percent difference (RPD), of batch replicate measurements was outside existing control limits;
- RSD – The precision, measured as relative standard deviation (RSD), of batch replicate measurements was outside existing control limits;
- SMP – Sample - used precision derived from replicate analyses of a sample;

The following data qualifiers are used, where applicable, in this report as specified in 62-160 F.A.C.

- A - Value reported is the mean of two or more determinations.
- B - Results based on colony counts outside the acceptable range.
- I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J - Estimated value and/or the analysis did not meet established quality control criteria.
- K - Actual value is known to be less than value given.
- L - Actual value is known to be greater than value given.
- N - Presumptive evidence of presence of material.
- O - Sampled, but analysis lost or not performed.
- Q - Sample held beyond normal holding time.
- T - Value reported is less than the criterion of detection.
- U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
- V - Analyte was detected in both sample and method blank.
- X - Too few individuals to calculate SCI value.
- Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z - Colonies were too numerous to count (TNTC).

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 11:00

Field ID: DEPMW-50 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392312	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	2.5		ng/L	P427298	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427298	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427298	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427298	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427298	
		Perfluorohexanesulfonic acid (PFHxS)	4.1		ng/L	P427298	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427298	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427298	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427298	
		Perfluorooctanesulfonic acid (PFOS)	14		ng/L	P427298	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427298	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427298	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427298	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427298	
		Perfluoropentanesulfonic acid (PFPeS)	0.48	I	ng/L	P427298	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427298	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427298	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427298	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427298	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427298	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427298	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427298	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427298	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427298	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427298	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427298	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427298	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427298	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427298	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427298	
		Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	8.0	U	ng/L	P427298	

Sample Location: Indian River State College

Collection Date/Time: 03/03/2023 12:30

Field ID: DEPMW-24 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392313	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	2.8		ng/L	P427298	
		Perfluorobutanoic acid (PFBA)	5.0	I	ng/L	P427298	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427298	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427298	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427298	
		Perfluorohexanesulfonic acid (PFHxS)	1.1	I	ng/L	P427298	
		Perfluorohexanoic acid (PFHxA)	2.9	I	ng/L	P427298	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427298	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427298	
		Perfluorooctanesulfonic acid (PFOS)	70		ng/L	P427298	
		Perfluoropentanoic acid (PFPeA)	3.2	I	ng/L	P427298	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427298	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427298	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427298	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427298	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427298	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427298	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427298	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427298	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427298	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427298	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427298	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427298	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427298	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427298	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427298	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427298	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427298	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427298	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427298	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427298	

Sample Location: Indian River State College

Collection Date/Time: 03/03/2023 11:20

Field ID: FRB-23

Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392334	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427575	RPD
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	RPD
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/03/2023 11:05

Field ID: DEPMW-20 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392314	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	1.2	I	ng/L	P427298	
		Perfluorobutanoic acid (PFBA)	5.7	I	ng/L	P427298	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427298	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427298	
		Perfluoroheptanoic acid (PFHpA)	3.0	I	ng/L	P427298	
		Perfluorohexanesulfonic acid (PFHxS)	2.3	I	ng/L	P427298	
		Perfluorohexanoic acid (PFHxA)	6.8	I	ng/L	P427298	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427298	
		Perfluorooctanoic acid (PFOA)	9.4		ng/L	P427298	
		Perfluorooctanesulfonic acid (PFOS)	53		ng/L	P427298	
		Perfluoropentanoic acid (PFPeA)	7.4	I	ng/L	P427298	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427298	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427298	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427298	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427298	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427298	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427298	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427298	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427298	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427298	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427298	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427298	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427298	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427298	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427298	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427298	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427298	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427298	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427298	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427298	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427298	

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 11:32

Field ID: DEPMW-9 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392315	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	12		ng/L	P427298	
		Perfluorobutanoic acid (PFBA)	64		ng/L	P427298	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427298	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427298	
		Perfluoroheptanoic acid (PFHpA)	85		ng/L	P427298	
		Perfluorohexanesulfonic acid (PFHxS)	90		ng/L	P427298	
		Perfluorohexanoic acid (PFHxA)	100		ng/L	P427298	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427298	
		Perfluorooctanoic acid (PFOA)	100		ng/L	P427298	
		Perfluorooctanesulfonic acid (PFOS)	200		ng/L	P427298	
		Perfluoropentanoic acid (PFPeA)	160		ng/L	P427298	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427298	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427298	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427298	
		Perfluoropentanesulfonic acid (PFPeS)	7.9		ng/L	P427298	
		Perfluoroheptanesulfonic acid (PFHpS)	14		ng/L	P427298	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427298	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427298	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427298	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-hexane sulfonamide (FHxSA)	1.6	I	ng/L	P427298	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427298	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427298	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427298	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427298	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427298	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427298	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427298	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427298	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427298	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427298	
		Perfluoropropanesulfonic acid (PFPrS)	4.9	I	ng/L	P427298	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427298	

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 16:01

Field ID: DEPMW-4 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392316	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	7.6		ng/L	P427298	
		Perfluorobutanoic acid (PFBA)	14	I	ng/L	P427298	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427298	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427298	
		Perfluoroheptanoic acid (PFHpA)	37		ng/L	P427298	
		Perfluorohexanesulfonic acid (PFHxS)	25		ng/L	P427298	
		Perfluorohexanoic acid (PFHxA)	17		ng/L	P427298	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427298	
		Perfluorooctanoic acid (PFOA)	34		ng/L	P427298	
		Perfluorooctanesulfonic acid (PFOS)	280		ng/L	P427298	
		Perfluoropentanoic acid (PFPeA)	17		ng/L	P427298	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427298	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427298	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427298	
		Perfluoropentanesulfonic acid (PFPeS)	4.9		ng/L	P427298	
		Perfluoroheptanesulfonic acid (PFHpS)	3.2	I	ng/L	P427298	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427298	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427298	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427298	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427298	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427298	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427298	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427298	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427298	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427298	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427298	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427298	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427298	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427298	
		Perfluoropropanesulfonic acid (PFPrS)	4.7	I	ng/L	P427298	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427298	

Sample Location: Indian River State College

Collection Date/Time: 03/03/2023 13:01

Field ID: DEPMW-36 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392317	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427795	MS, RPD
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427795	RPD
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427795	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427795	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427795	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427795	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427795	RPD
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427795	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427795	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427795	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427795	RPD
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427795	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427795	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427795	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427795	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427795	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427795	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427795	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427795	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427795	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427795	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427795	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427795	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427795	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427795	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427795	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427795	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427795	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427795	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427795	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427795	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427795	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427795	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427795	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427795	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427795	

Field ID: DEPMW-36 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 10:45

Field ID: DEPMW-33 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392318	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	3.2		ng/L	P427298	
		Perfluorobutanoic acid (PFBA)	6.0	I	ng/L	P427298	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427298	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427298	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427298	
		Perfluorohexanesulfonic acid (PFHxS)	1.7	I	ng/L	P427298	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427298	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427298	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427298	
		Perfluorooctanesulfonic acid (PFOS)	8.5		ng/L	P427298	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427298	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427298	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427298	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427298	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427298	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427298	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427298	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427298	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427298	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427298	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427298	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427298	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427298	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427298	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427298	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427298	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427298	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427298	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427298	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427298	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427298	

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 11:45

Field ID: DEPMW-22 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392319	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427298	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427298	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427298	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427298	
		Perfluoroheptanoic acid (PFHpA)	2.4	I	ng/L	P427298	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427298	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427298	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427298	
		Perfluorooctanoic acid (PFOA)	5.1	I	ng/L	P427298	
		Perfluorooctanesulfonic acid (PFOS)	270		ng/L	P427298	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427298	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427298	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427298	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427298	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427298	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427298	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427298	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427298	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427298	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427298	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427298	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427298	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427298	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427298	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427298	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427298	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427298	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427298	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427298	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427298	
		Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	8.0	U	ng/L	P427298	

Sample Location: Indian River State College

Collection Date/Time: 03/03/2023 10:03

Field ID: DEPMW-31 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392320	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	2.0		ng/L	P427298	
		Perfluorobutanoic acid (PFBA)	36		ng/L	P427298	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427298	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427298	
		Perfluoroheptanoic acid (PFHpA)	48		ng/L	P427298	
		Perfluorohexanesulfonic acid (PFHxS)	3.2	I	ng/L	P427298	
		Perfluorohexanoic acid (PFHxA)	130		ng/L	P427298	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427298	
		Perfluorooctanoic acid (PFOA)	6.1	I	ng/L	P427298	
		Perfluorooctanesulfonic acid (PFOS)	16		ng/L	P427298	
		Perfluoropentanoic acid (PFPeA)	150		ng/L	P427298	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427298	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427298	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427298	
		Perfluoropentanesulfonic acid (PFPeS)	0.56	I	ng/L	P427298	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427298	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427298	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427298	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427298	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427298	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427298	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427298	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427298	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	20	I	ng/L	P427298	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427298	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427298	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427298	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427298	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427298	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427298	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427298	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427298	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427298	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427298	

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 12:53

Field ID: DEPMW-59 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392321	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	3.5		ng/L	P427410	
		Perfluorobutanoic acid (PFBA)	7.6	I	ng/L	P427410	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427410	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427410	
		Perfluoroheptanoic acid (PFHpA)	6.1	I	ng/L	P427410	
		Perfluorohexanesulfonic acid (PFHxS)	8.3		ng/L	P427410	
		Perfluorohexanoic acid (PFHxA)	2.2	I	ng/L	P427410	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427410	
		Perfluorooctanoic acid (PFOA)	13		ng/L	P427410	
		Perfluorooctanesulfonic acid (PFOS)	100		ng/L	P427410	
		Perfluoropentanoic acid (PFPeA)	3.1	I	ng/L	P427410	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427410	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427410	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427410	
		Perfluoropentanesulfonic acid (PFPeS)	2.2		ng/L	P427410	
		Perfluoroheptanesulfonic acid (PFHpS)	1.9	I	ng/L	P427410	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427410	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427410	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427410	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427410	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427410	MS
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427410	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427410	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427410	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427410	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427410	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427410	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427410	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427410	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427410	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427410	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427410	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427410	

Field ID: DEPMW-59 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 12:26

Field ID: DEPMW-54 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392322	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	1.4	I	ng/L	P427410	
		Perfluorobutanoic acid (PFBA)	4.5	I	ng/L	P427410	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427410	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427410	
		Perfluoroheptanoic acid (PFHpA)	4.0	I	ng/L	P427410	
		Perfluorohexanesulfonic acid (PFHxS)	2.4	I	ng/L	P427410	
		Perfluorohexanoic acid (PFHxA)	2.0	I	ng/L	P427410	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427410	
		Perfluorooctanoic acid (PFOA)	7.8	I	ng/L	P427410	
		Perfluorooctanesulfonic acid (PFOS)	85		ng/L	P427410	
		Perfluoropentanoic acid (PFPeA)	3.4	I	ng/L	P427410	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427410	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427410	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427410	
		Perfluoropentanesulfonic acid (PFPeS)	0.47	I	ng/L	P427410	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427410	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427410	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427410	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427410	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427410	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427410	MS
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427410	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427410	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427410	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427410	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427410	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427410	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427410	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427410	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427410	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427410	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427410	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427410	

Field ID: DEPMW-54 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 09:55

Field ID: DEPMW-41 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392323	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	5.3		ng/L	P427410	
		Perfluorobutanoic acid (PFBA)	10	I	ng/L	P427410	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427410	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427410	
		Perfluoroheptanoic acid (PFHpA)	2.9	I	ng/L	P427410	
		Perfluorohexanesulfonic acid (PFHxS)	12		ng/L	P427410	
		Perfluorohexanoic acid (PFHxA)	5.9	I	ng/L	P427410	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427410	
		Perfluorooctanoic acid (PFOA)	9.8		ng/L	P427410	
		Perfluorooctanesulfonic acid (PFOS)	88		ng/L	P427410	
		Perfluoropentanoic acid (PFPeA)	3.7	I	ng/L	P427410	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427410	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427410	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427410	
		Perfluoropentanesulfonic acid (PFPeS)	1.7		ng/L	P427410	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427410	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427410	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427410	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427410	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427410	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427410	MS
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427410	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427410	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427410	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427410	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427410	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427410	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427410	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427410	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427410	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427410	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427410	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427410	

Field ID: DEPMW-41 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 15:27

Field ID: DEPMW-56 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392324	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.52	I	ng/L	P427410	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427410	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427410	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427410	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427410	
		Perfluorohexanesulfonic acid (PFHxS)	0.84	I	ng/L	P427410	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427410	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427410	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427410	
		Perfluorooctanesulfonic acid (PFOS)	17		ng/L	P427410	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427410	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427410	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427410	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427410	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427410	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427410	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427410	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427410	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427410	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427410	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427410	MS
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427410	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427410	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427410	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427410	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427410	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427410	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427410	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427410	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427410	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427410	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427410	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427410	

Field ID: DEPMW-56 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 15:06

Field ID: DEPMW-2 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392325	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	11		ng/L	P427410	
		Perfluorobutanoic acid (PFBA)	180		ng/L	P427410	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427410	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427410	
		Perfluoroheptanoic acid (PFHpA)	300		ng/L	P427410	
		Perfluorohexanesulfonic acid (PFHxS)	27		ng/L	P427410	
		Perfluorohexanoic acid (PFHxA)	260		ng/L	P427410	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427410	
		Perfluorooctanoic acid (PFOA)	63		ng/L	P427410	
		Perfluorooctanesulfonic acid (PFOS)	220		ng/L	P427410	
		Perfluoropentanoic acid (PFPeA)	410		ng/L	P427410	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427410	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427410	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427410	
		Perfluoropentanesulfonic acid (PFPeS)	3.0		ng/L	P427410	
		Perfluoroheptanesulfonic acid (PFHpS)	3.2		ng/L	P427410	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427410	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427410	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427410	
		Perfluoro-1-butane sulfonamide (FBSA)	1.3	I	ng/L	P427410	
		Perfluoro-1-hexane sulfonamide (FHxSA)	2.1	I J	ng/L	P427410	MS
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427410	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427410	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427410	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427410	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427410	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427410	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427410	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427410	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427410	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427410	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427410	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427410	

Field ID: DEPMW-2 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 14:07

Field ID: DEPMW-13 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392326	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	1.4	I	ng/L	P427410	
		Perfluorobutanoic acid (PFBA)	11	I	ng/L	P427410	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427410	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427410	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427410	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427410	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427410	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427410	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427410	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427410	
		Perfluoropentanoic acid (PFPeA)	8.1		ng/L	P427410	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427410	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427410	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427410	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427410	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427410	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427410	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427410	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427410	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427410	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427410	MS
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427410	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427410	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427410	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427410	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427410	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427410	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427410	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427410	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427410	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427410	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427410	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427410	

Field ID: DEPMW-13 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 13:24

Field ID: DEPMW-55 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392327	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	2.9		ng/L	P427410	
		Perfluorobutanoic acid (PFBA)	11	I	ng/L	P427410	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427410	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427410	
		Perfluoroheptanoic acid (PFHpA)	7.5	I	ng/L	P427410	
		Perfluorohexanesulfonic acid (PFHxS)	2.7	I	ng/L	P427410	
		Perfluorohexanoic acid (PFHxA)	5.3	I	ng/L	P427410	
		Perfluorononanoic acid (PFNA)	2.7	I	ng/L	P427410	
		Perfluorooctanoic acid (PFOA)	35		ng/L	P427410	
		Perfluorooctanesulfonic acid (PFOS)	82		ng/L	P427410	
		Perfluoropentanoic acid (PFPeA)	12		ng/L	P427410	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427410	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427410	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427410	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427410	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427410	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427410	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427410	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427410	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427410	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427410	MS
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427410	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427410	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427410	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427410	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427410	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427410	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427410	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427410	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427410	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427410	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427410	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427410	

Field ID: DEPMW-55 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 12:28

Field ID: DEPMW-30 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392328	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.78	I	ng/L	P427410	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427410	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427410	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427410	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427410	
		Perfluorohexanesulfonic acid (PFHxS)	3.9		ng/L	P427410	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427410	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427410	
		Perfluorooctanoic acid (PFOA)	3.2	I	ng/L	P427410	
		Perfluorooctanesulfonic acid (PFOS)	41		ng/L	P427410	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427410	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427410	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427410	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427410	
		Perfluoropentanesulfonic acid (PFPeS)	0.56	I	ng/L	P427410	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427410	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427410	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427410	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427410	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427410	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427410	MS
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427410	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427410	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427410	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427410	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427410	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427410	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427410	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427410	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427410	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427410	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427410	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427410	

Field ID: DEPMW-30 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 11:49

Field ID: DEPMW-29 (9-19)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392329	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	4.7		ng/L	P427410	
		Perfluorobutanoic acid (PFBA)	10	I	ng/L	P427410	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427410	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427410	
		Perfluoroheptanoic acid (PFHpA)	2.1	I	ng/L	P427410	
		Perfluorohexanesulfonic acid (PFHxS)	13		ng/L	P427410	
		Perfluorohexanoic acid (PFHxA)	4.9	I	ng/L	P427410	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427410	
		Perfluorooctanoic acid (PFOA)	8.4		ng/L	P427410	
		Perfluorooctanesulfonic acid (PFOS)	98		ng/L	P427410	
		Perfluoropentanoic acid (PFPeA)	2.9	I	ng/L	P427410	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427410	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427410	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427410	
		Perfluoropentanesulfonic acid (PFPeS)	1.5	I	ng/L	P427410	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427410	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427410	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427410	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427410	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427410	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427410	MS
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427410	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427410	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427410	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427410	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427410	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427410	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427410	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427410	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427410	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427410	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427410	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427410	

Field ID: DEPMW-29 (9-19)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 14:41

Field ID: DEPMW-42 (25-35)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392330	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	160		ng/L	P427410	
		Perfluorobutanoic acid (PFBA)	24		ng/L	P427410	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427410	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427410	
		Perfluoroheptanoic acid (PFHpA)	9.6		ng/L	P427410	
		Perfluorohexanesulfonic acid (PFHxS)	7.7		ng/L	P427410	
		Perfluorohexanoic acid (PFHxA)	33		ng/L	P427410	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427410	
		Perfluorooctanoic acid (PFOA)	20		ng/L	P427410	
		Perfluorooctanesulfonic acid (PFOS)	100		ng/L	P427410	
		Perfluoropentanoic acid (PFPeA)	36		ng/L	P427410	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427410	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427410	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427410	
		Perfluoropentanesulfonic acid (PFPeS)	0.73	I	ng/L	P427410	
		Perfluoroheptanesulfonic acid (PFHpS)	2.2	I	ng/L	P427410	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427410	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427410	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427410	
		Perfluoro-1-butane sulfonamide (FBSA)	15		ng/L	P427410	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427410	MS
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427410	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427410	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427410	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427410	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427410	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427410	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427410	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427410	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427410	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427410	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427410	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427410	

Field ID: DEPMW-42 (25-35)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 15:32

Field ID: DEPMW-57 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392331	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	4.4		ng/L	P427410	
		Perfluorobutanoic acid (PFBA)	8.0	I	ng/L	P427410	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427410	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427410	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427410	
		Perfluorohexanesulfonic acid (PFHxS)	4.1		ng/L	P427410	
		Perfluorohexanoic acid (PFHxA)	3.7	I	ng/L	P427410	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427410	
		Perfluorooctanoic acid (PFOA)	3.9	I	ng/L	P427410	
		Perfluorooctanesulfonic acid (PFOS)	9.5		ng/L	P427410	
		Perfluoropentanoic acid (PFPeA)	4.1	I	ng/L	P427410	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427410	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427410	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427410	
		Perfluoropentanesulfonic acid (PFPeS)	1.3	I	ng/L	P427410	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427410	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427410	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427410	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427410	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427410	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427410	MS
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427410	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427410	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427410	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427410	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427410	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427410	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427410	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427410	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427410	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427410	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427410	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427410	

Field ID: DEPMW-57 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 15:30

Field ID: DEPMW-15 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392332	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	9.2		ng/L	P427410	
		Perfluorobutanoic acid (PFBA)	7.2	I	ng/L	P427410	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427410	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427410	
		Perfluoroheptanoic acid (PFHpA)	2.9	I	ng/L	P427410	
		Perfluorohexanesulfonic acid (PFHxS)	25		ng/L	P427410	
		Perfluorohexanoic acid (PFHxA)	10		ng/L	P427410	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427410	
		Perfluorooctanoic acid (PFOA)	20		ng/L	P427410	
		Perfluorooctanesulfonic acid (PFOS)	53		ng/L	P427410	
		Perfluoropentanoic acid (PFPeA)	11		ng/L	P427410	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427410	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427410	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427410	
		Perfluoropentanesulfonic acid (PFPeS)	8.2		ng/L	P427410	
		Perfluoroheptanesulfonic acid (PFHpS)	2.6	I	ng/L	P427410	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427410	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427410	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427410	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427410	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427410	MS
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427410	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427410	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427410	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427410	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427410	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427410	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427410	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427410	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427410	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427410	
		Perfluoropropanesulfonic acid (PFPrS)	4.1	I	ng/L	P427410	
		Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427410	

Field ID: DEPMW-15 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 14:30

Field ID: DEPMW-1 (5-15)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392333	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	2.9		ng/L	P427410	
		Perfluorobutanoic acid (PFBA)	9.6	I	ng/L	P427410	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427410	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427410	
		Perfluoroheptanoic acid (PFHpA)	4.3	I	ng/L	P427410	
		Perfluorohexanesulfonic acid (PFHxS)	4.2		ng/L	P427410	
		Perfluorohexanoic acid (PFHxA)	3.6	I	ng/L	P427410	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427410	
		Perfluorooctanoic acid (PFOA)	5.6	I	ng/L	P427410	
		Perfluorooctanesulfonic acid (PFOS)	170		ng/L	P427410	
		Perfluoropentanoic acid (PFPeA)	5.4	I	ng/L	P427410	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427410	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427410	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427410	
		Perfluoropentanesulfonic acid (PFPeS)	0.48	I	ng/L	P427410	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427410	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427410	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427410	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427410	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427410	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427410	MS
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427410	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427410	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427410	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427410	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427410	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427410	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427410	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427410	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427410	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427410	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427410	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427410	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427410	

Field ID: DEPMW-1 (5-15)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/03/2023 13:12

Field ID: DEPMW-11 (5-15)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392358	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	19		ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	21		ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	11		ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	29		ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	19		ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	14		ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	280		ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	30		ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	3.9		ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 02/27/2023 17:44

Field ID: DEPMW-48 (151-171)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392359	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427575	RPD
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	RPD
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 09:37

Field ID: DEPMW-47 (110-130)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392360	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	1.0	I	ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	2.0	I	ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	2.5	I	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 14:46

Field ID: DEPMW-25 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392361	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	1.3	I	ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	2.1E+03		ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	1.9E+03		ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	1.8	I	ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	3.5E+03		ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	26		ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	170		ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	6.0E+03		ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	5.1E+04		ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 15:51

Field ID: DEPMW-37 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392362	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.69	I	ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	13	I	ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	5.5	I	ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	17		ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 17:25

Field ID: DEPMW-62 (110-130)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392363	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427575	RPD
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	RPD
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 15:46

Field ID: DEPMW-46 (120-140)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392364	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 14:36

Field ID: DEPMW-18 (38-48)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392365	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	2.1		ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	6.6		ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	4.0	I	ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	15		ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	73		ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	3.4	I	ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	1.3	I	ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	1.5	I	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 11:56

Field ID: DEPMW-3 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392366	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	94		ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	290		ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	17		ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	560		ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	800		ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	670		ng/L	P427575	
		Perfluorononanoic acid (PFNA)	180		ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	190		ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	1.8E+03		ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	1.0E+03		ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	96		ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	26		ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	92		ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	320		ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	700		ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	4.3	I	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	24		ng/L	P427575	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 09:57

Field ID: DEPMW-16 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392367	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	14		ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	100		ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.4	I	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	51		ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	22		ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	42		ng/L	P427575	
		Perfluorononanoic acid (PFNA)	17		ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	23		ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	19		ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	170		ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	1.5	I	ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	6.4		ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	2.1	I	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 09:11

Field ID: DEPMW-7 (5-15)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392368	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	35		ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	340		ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	1.6E+03		ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	83		ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	430		ng/L	P427575	
		Perfluorononanoic acid (PFNA)	36		ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	340		ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	570		ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	840		ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	8.9		ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	3.1	I	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	8.3		ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	1.3	I	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	100		ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 16:30

Field ID: DEPMW-35 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392369	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	1.2	I	ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	17		ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	6.6	I	ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	2.8	I	ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	48		ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	3.3	I	ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	8.5		ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	98		ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	1.1	I	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	91		ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 15:44

Field ID: DEPMW-23 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392370	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	2.5		ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	35		ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	1.0	I	ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	4.8	I	ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	2.4	I	ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	15		ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/03/2023 11:32

Field ID: DEPMW-27 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392371	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.1	I	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/03/2023 12:37

Field ID: DEPMW-26 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392372	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	23		ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	290		ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	340		ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	16		ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	490		ng/L	P427575	
		Perfluorononanoic acid (PFNA)	7.8	I	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	73		ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	340		ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	700		ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	2.5		ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	4.0		ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 10:52

Field ID: DEPMW-17 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392373	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	3.0		ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	6.8		ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	4.8	I	ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	21		ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	2.7		ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 10:52

Field ID: DEPMW-17 (40-50) Dup

Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392374	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	2.9		ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	7.0		ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427575	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	4.2	I	ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	19		ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	2.4		ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/03/2023 10:35

Field ID: DEPMW-28 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392375	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.79	I	ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	11	I	ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	UJ	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	13		ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	7.4		ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	14		ng/L	P427575	
		Perfluorononanoic acid (PFNA)	21		ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	13		ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	23		ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	22		ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	0.44	I	ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	1.9	I	ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	UJ	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Field ID: DEPMW-28 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 12:13

Field ID: DEPMW-5 (5-15)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392376	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	72		ng/L	P427575	
		Perfluorobutanoic acid (PFBA)	530		ng/L	P427575	
		Perfluorodecanoic acid (PFDA)	28		ng/L	P427575	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427575	RPD
		Perfluoroheptanoic acid (PFHpA)	770		ng/L	P427575	
		Perfluorohexanesulfonic acid (PFHxS)	1.0E+03		ng/L	P427575	
		Perfluorohexanoic acid (PFHxA)	900		ng/L	P427575	
		Perfluorononanoic acid (PFNA)	58		ng/L	P427575	
		Perfluorooctanoic acid (PFOA)	230		ng/L	P427575	
		Perfluorooctanesulfonic acid (PFOS)	1.4E+03		ng/L	P427575	
		Perfluoropentanoic acid (PFPeA)	2.1E+03		ng/L	P427575	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427575	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427575	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427575	
		Perfluoropentanesulfonic acid (PFPeS)	130		ng/L	P427575	
		Perfluoroheptanesulfonic acid (PFHpS)	36		ng/L	P427575	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427575	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427575	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427575	
		Perfluoro-1-butane sulfonamide (FBSA)	76		ng/L	P427575	
		Perfluoro-1-hexane sulfonamide (FHxSA)	680		ng/L	P427575	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427575	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427575	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427575	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	750		ng/L	P427575	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	24		ng/L	P427575	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427575	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427575	RPD
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427575	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427575	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427575	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427575	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427575	
		Perfluoropropanesulfonic acid (PFPrS)	13	I	ng/L	P427575	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427575	

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 10:48

Field ID: DEPMW-6 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392377	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	190		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	620		ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	880		ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	1.1E+03		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	2.0E+03		ng/L	P427622	
		Perfluorononanoic acid (PFNA)	260		ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	2.7E+03		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	3.0E+03		ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	210		ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	44		ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	170		ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	1.7E+03		ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.7E+03		ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	21		ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	47		ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-6 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 10:51

Field ID: DEPMW-60 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392378	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	52		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	28		ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	23		ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	17		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	32		ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	39		ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	44		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	39		ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	1.5	I	ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	2.4	I	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-60 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 11:10

Field ID: DEPMW-38 (90-110)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392400	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	5.7	I	ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	1.0	I	ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	10		ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-38 (90-110)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 13:15

Field ID: DEPMW-45 (120-140)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392401	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-45 (120-140)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 13:36

Field ID: DEPMW-53 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392402	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	14		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	60		ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	41		ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	27		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	29		ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	71		ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	88		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	44		ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	3.5		ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	3.1	I	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-53 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 12:43

Field ID: DEPMW-43 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392403	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	9.9		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	9.9		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	4.7	I	ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	4.8	I	ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	8.6		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	3.9	I	ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	2.1		ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	3.2		ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-43 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 08:24

Field ID: EQB-71

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392420	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427623	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427623	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427623	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427623	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427623	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427623	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427623	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427623	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427623	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427623	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427623	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427623	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427623	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427623	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427623	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427623	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427623	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427623	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427623	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427623	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427623	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427623	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427623	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427623	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427623	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427623	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427623	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427623	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427623	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427623	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427623	

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 08:45

Field ID: DEPMW-19 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392404	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	3.5		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	8.2		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	5.6	I	ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	21		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	2.8		ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-19 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 09:27

Field ID: DEPMW-12 (5-15)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392405	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	4.1		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	2.4	I	ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	36		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	0.43	I	ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-12 (5-15)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 11:36

Field ID: DEPMW-14 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392406	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.68	I	ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	8.2	I	ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	2.2	I	ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	3.0	I	ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	8.0		ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	4.7	I	ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	7.3	I	ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	15		ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	1.4	I	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-14 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 13:45

Field ID: DEPMW-10 (5-15)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392407	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	17		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	190		ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	220		ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	48		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	270		ng/L	P427622	
		Perfluorononanoic acid (PFNA)	4.5	I	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	44		ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	330		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	590		ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	UJ	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	2.3		ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	2.5	I	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-10 (5-15)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 10:15

Field ID: DEPMW-8 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392408	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	6.7		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	16		ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	9.6		ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	13		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	11		ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	12		ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	160		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	20		ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	1.8		ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	1.9	I	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-8 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 10:15

Field ID: DEPMW-8 (7-17) Dup

Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392409	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	7.3		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	15	I	ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	9.3		ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	12		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	11		ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	13		ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	160		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	19		ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	1.8		ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	1.8	I	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-8 (7-17) Dup

Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 11:55

Field ID: DEPMW-39 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392410	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	7.1		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	19		ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	5.1	I	ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	12		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	12		ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	17		ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	170		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	19		ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	3.1		ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	2.6	I	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-39 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 08:49

Field ID: DEPMW-21 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392411	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	4.8		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	11	I	ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	3.2		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	4.1	I	ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	5.6	I	ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	38		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	7.6	I	ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-21 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 13:02

Field ID: DEPMW-52 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392412	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	1.6		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	4.2	I	ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	3.3		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	140		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	0.55	I	ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-52 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 10:32

Field ID: DEPMW-51 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392413	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	16		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	11	I	ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	5.6	I	ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	19		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	11		ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	9.5		ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	44		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	11		ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	1.8		ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	1.4	I	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-51 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 10:32

Field ID: DEPMW-51 (7-17) Dup

Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392414	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	15		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	11	I	ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	5.4	I	ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	18		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	11		ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	8.4		ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	37		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	11		ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	1.7		ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.87	I	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-51 (7-17) Dup

Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/02/2023 16:35

Field ID: EQB-72

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392421	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427623	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427623	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427623	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427623	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427623	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427623	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427623	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427623	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427623	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427623	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427623	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427623	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427623	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427623	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427623	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427623	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427623	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427623	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427623	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427623	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427623	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427623	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427623	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427623	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427623	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427623	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427623	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427623	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427623	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427623	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427623	

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 09:11

Field ID: DEPMW-44 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392415	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	1.7	I	ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	3.0	I	ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-44 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 16:24

Field ID: DEPMW-58 (25-35)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392416	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	6.3		ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	18		ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	10		ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	12		ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	16		ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	40		ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	360		ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	26		ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	2.1		ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	4.6		ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-58 (25-35)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 02/28/2023 14:51

Field ID: DEPMW-40 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392417	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.42	I	ng/L	P427622	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427622	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427622	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427622	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427622	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427622	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427622	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427622	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427622	
		Perfluorooctanesulfonic acid (PFOS)	7.9	I	ng/L	P427622	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427622	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427622	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427622	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427622	RPD
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427622	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427622	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427622	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427622	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427622	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427622	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427622	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427622	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427622	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427622	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427622	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427622	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427622	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427622	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427622	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427622	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427622	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427622	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427622	

Field ID: DEPMW-40 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 09:17

Field ID: DEPMW-32 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392418	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	6.0		ng/L	P427623	
		Perfluorobutanoic acid (PFBA)	12	I	ng/L	P427623	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427623	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427623	
		Perfluoroheptanoic acid (PFHpA)	23		ng/L	P427623	
		Perfluorohexanesulfonic acid (PFHxS)	11		ng/L	P427623	
		Perfluorohexanoic acid (PFHxA)	25		ng/L	P427623	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427623	
		Perfluorooctanoic acid (PFOA)	41		ng/L	P427623	
		Perfluorooctanesulfonic acid (PFOS)	56		ng/L	P427623	
		Perfluoropentanoic acid (PFPeA)	33		ng/L	P427623	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427623	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427623	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427623	
		Perfluoropentanesulfonic acid (PFPeS)	2.3		ng/L	P427623	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427623	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427623	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427623	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427623	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427623	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427623	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427623	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427623	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427623	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427623	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427623	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427623	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427623	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427623	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427623	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427623	

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 10:08

Field ID: DEPMW-61 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392419	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	6.1		ng/L	P427623	
		Perfluorobutanoic acid (PFBA)	11	I	ng/L	P427623	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427623	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427623	
		Perfluoroheptanoic acid (PFHpA)	6.7	I	ng/L	P427623	
		Perfluorohexanesulfonic acid (PFHxS)	28		ng/L	P427623	
		Perfluorohexanoic acid (PFHxA)	6.1	I	ng/L	P427623	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427623	
		Perfluorooctanoic acid (PFOA)	7.4	I	ng/L	P427623	
		Perfluorooctanesulfonic acid (PFOS)	7.5	I	ng/L	P427623	
		Perfluoropentanoic acid (PFPeA)	16		ng/L	P427623	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427623	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427623	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427623	
		Perfluoropentanesulfonic acid (PFPeS)	0.82	I	ng/L	P427623	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427623	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427623	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427623	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427623	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427623	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427623	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427623	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427623	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427623	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427623	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427623	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427623	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427623	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427623	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427623	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427623	

Sample Location: Indian River State College

Collection Date/Time: 02/27/2023 15:58

Field ID: EQB-70

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392422	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427623	
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427623	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427623	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427623	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427623	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427623	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427623	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427623	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427623	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427623	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427623	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427623	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427623	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427623	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427623	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427623	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427623	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427623	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427623	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427623	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427623	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427623	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427623	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427623	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427623	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427623	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427623	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427623	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427623	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427623	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427623	

Sample Location: Indian River State College

Collection Date/Time: 03/03/2023 13:57

Field ID: DEPMW-34 (40-50)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392458	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	2.6		ng/L	P427623	
		Perfluorobutanoic acid (PFBA)	7.7	I	ng/L	P427623	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427623	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427623	
		Perfluoroheptanoic acid (PFHpA)	10		ng/L	P427623	
		Perfluorohexanesulfonic acid (PFHxS)	7.5		ng/L	P427623	
		Perfluorohexanoic acid (PFHxA)	10		ng/L	P427623	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427623	
		Perfluorooctanoic acid (PFOA)	12		ng/L	P427623	
		Perfluorooctanesulfonic acid (PFOS)	15		ng/L	P427623	
		Perfluoropentanoic acid (PFPeA)	20		ng/L	P427623	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427623	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427623	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427623	
		Perfluoropentanesulfonic acid (PFPeS)	0.77	I	ng/L	P427623	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427623	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427623	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427623	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427623	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427623	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427623	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427623	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427623	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427623	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427623	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427623	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427623	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427623	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427623	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427623	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427623	

Sample Location: Indian River State College

Collection Date/Time: 03/03/2023 13:01

Field ID: DEPMW-36 (40-50) Dup

Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392459	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L	P427795	MS, RPD
		Perfluorobutanoic acid (PFBA)	4.0	U	ng/L	P427795	RPD
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427795	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427795	
		Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L	P427795	
		Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L	P427795	
		Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L	P427795	RPD
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427795	
		Perfluorooctanoic acid (PFOA)	2.0	U	ng/L	P427795	
		Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L	P427795	
		Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L	P427795	RPD
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427795	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427795	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427795	
		Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L	P427795	
		Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L	P427795	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427795	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427795	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427795	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427795	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427795	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427795	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427795	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427795	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427795	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427795	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427795	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427795	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427795	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427795	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427795	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427795	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427795	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427795	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427795	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427795	

Field ID: DEPMW-36 (40-50) Dup

Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
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Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.

Sample Location: Indian River State College

Collection Date/Time: 03/01/2023 08:49

Field ID: DEPMW-49 (7-17)

Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392460	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	3.1		ng/L	P427623	
		Perfluorobutanoic acid (PFBA)	11	I	ng/L	P427623	
		Perfluorodecanoic acid (PFDA)	4.0	U	ng/L	P427623	
		Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L	P427623	
		Perfluoroheptanoic acid (PFHpA)	4.2	I	ng/L	P427623	
		Perfluorohexanesulfonic acid (PFHxS)	14		ng/L	P427623	
		Perfluorohexanoic acid (PFHxA)	6.5	I	ng/L	P427623	
		Perfluorononanoic acid (PFNA)	2.0	U	ng/L	P427623	
		Perfluorooctanoic acid (PFOA)	7.8	I	ng/L	P427623	
		Perfluorooctanesulfonic acid (PFOS)	77		ng/L	P427623	
		Perfluoropentanoic acid (PFPeA)	12		ng/L	P427623	
		Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L	P427623	
		Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L	P427623	
		Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L	P427623	
		Perfluoropentanesulfonic acid (PFPeS)	1.4	I	ng/L	P427623	
		Perfluoroheptanesulfonic acid (PFHpS)	0.97	I	ng/L	P427623	
		Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L	P427623	
		Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L	P427623	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L	P427623	
		Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L	P427623	
		Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L	P427623	
		11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L	P427623	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L	P427623	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L	P427623	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L	P427623	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L	P427623	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L	P427623	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L	P427623	
		Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L	P427623	
		Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L	P427623	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L	P427623	
		Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L	P427623	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L	P427623	

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: LC-001-3

Batch ID: P427298

Component	Result	Code	Units
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L
Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L
Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L
Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L
Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	0.80	U	ng/L
Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L
Perfluorobutanoic acid (PFBA)	4.0	U	ng/L
Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L
Perfluorodecanoic acid (PFDA)	4.0	U	ng/L
Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L
Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L
Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L
Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L
Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L
Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L
Perfluorononanoic acid (PFNA)	2.0	U	ng/L
Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L
Perfluorooctanoic acid (PFOA)	2.0	U	ng/L
Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L
Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L
Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L
Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L
Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L
Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L

Reference Method: DEP SOP: LC-001-3

Batch ID: P427410

Component	Result	Code	Units
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L
Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L
Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: LC-001-3

Batch ID: P427410

Component	Result	Code	Units
Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L
Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L
Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L
Perfluorobutanoic acid (PFBA)	4.0	U	ng/L
Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L
Perfluorodecanoic acid (PFDA)	4.0	U	ng/L
Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L
Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L
Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L
Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L
Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L
Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L
Perfluorononanoic acid (PFNA)	2.0	U	ng/L
Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L
Perfluorooctanoic acid (PFOA)	2.0	U	ng/L
Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L
Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L
Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L
Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L
Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L
Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L

Reference Method: DEP SOP: LC-001-3

Batch ID: P427575

Component	Result	Code	Units
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L
Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L
Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L
Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L
Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L
Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L
Perfluorobutanoic acid (PFBA)	4.0	U	ng/L
Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L
Perfluorodecanoic acid (PFDA)	4.0	U	ng/L
Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: LC-001-3

Batch ID: P427575

Component	Result	Code	Units
Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L
Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L
Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L
Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L
Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L
Perfluorononanoic acid (PFNA)	2.0	U	ng/L
Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L
Perfluorooctanoic acid (PFOA)	2.0	U	ng/L
Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L
Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L
Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L
Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L
Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L
Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L

Reference Method: DEP SOP: LC-001-3

Batch ID: P427622

Component	Result	Code	Units
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L
Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L
Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L
Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L
Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	0.80	U	ng/L
Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L
Perfluorobutanoic acid (PFBA)	4.0	U	ng/L
Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L
Perfluorodecanoic acid (PFDA)	4.0	U	ng/L
Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L
Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L
Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L
Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L
Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L
Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L
Perfluorononanoic acid (PFNA)	2.0	U	ng/L
Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L
Perfluorooctanoic acid (PFOA)	2.0	U	ng/L
Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L
Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L
Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: LC-001-3

Batch ID: P427622

Component	Result	Code	Units
Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L
Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L
Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L

Reference Method: DEP SOP: LC-001-3

Batch ID: P427623

Component	Result	Code	Units
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0	U	ng/L
Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L
Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L
Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L
Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L
Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L
Perfluorobutanoic acid (PFBA)	4.0	U	ng/L
Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L
Perfluorodecanoic acid (PFDA)	4.0	U	ng/L
Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L
Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L
Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L
Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L
Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L
Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L
Perfluorononanoic acid (PFNA)	2.0	U	ng/L
Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L
Perfluorooctanoic acid (PFOA)	2.0	U	ng/L
Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L
Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L
Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L
Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L
Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L
Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L

Reference Method: DEP SOP: LC-001-3

Batch ID: P427795

Component	Result	Code	Units
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.0	U	ng/L
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.0	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: DEP SOP: LC-001-3

Batch ID: P427795

Component	Result	Code	Units
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	16	U	ng/L
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.40	U	ng/L
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	2.0	U	ng/L
Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.0	U	ng/L
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.80	U	ng/L
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.80	U	ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.0	U	ng/L
Perfluoro-1-butane sulfonamide (FBSA)	0.80	U	ng/L
Perfluoro-1-hexane sulfonamide (FHxSA)	0.80	U	ng/L
Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.80	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.80	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.80	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.80	U	ng/L
Perfluorobutanesulfonic acid (PFBS)	0.40	U	ng/L
Perfluorobutanoic acid (PFBA)	4.0	U	ng/L
Perfluorodecanesulfonic acid (PFDS)	0.40	U	ng/L
Perfluorodecanoic acid (PFDA)	4.0	U	ng/L
Perfluorododecanoic acid (PFDoA)	2.0	U	ng/L
Perfluoroheptanesulfonic acid (PFHpS)	0.80	U	ng/L
Perfluoroheptanoic acid (PFHpA)	2.0	U	ng/L
Perfluorohexanesulfonic acid (PFHxS)	0.80	U	ng/L
Perfluorohexanoic acid (PFHxA)	2.0	U	ng/L
Perfluorononanesulfonic acid (PFNS)	0.40	U	ng/L
Perfluorononanoic acid (PFNA)	2.0	U	ng/L
Perfluorooctanesulfonic acid (PFOS)	2.0	U	ng/L
Perfluorooctanoic acid (PFOA)	2.0	U	ng/L
Perfluoropentanesulfonic acid (PFPeS)	0.40	U	ng/L
Perfluoropentanoic acid (PFPeA)	2.0	U	ng/L
Perfluoropropanesulfonic acid (PFPrS)	4.0	U	ng/L
Perfluorotetradecanoic acid (PFTeA)	2.0	U	ng/L
Perfluorotridecanoic acid (PFTriA)	2.0	U	ng/L
Perfluoroundecanoic acid (PFUnA)	2.0	U	ng/L

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P427298

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	92.2		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	123		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	98.5		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	101		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	137		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	85.5		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	107		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	83.2		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	91.2		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	117		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	137		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	158		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	118		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	97.1		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	108		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	114		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	113		P	30 - 160
Perfluorobutanoic acid (PFBA)	83.4		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	90.4		P	30 - 160
Perfluorodecanoic acid (PFDA)	106		P	30 - 160
Perfluorododecanoic acid (PFDoA)	104		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	127		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	118		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	109		P	30 - 160
Perfluorohexanoic acid (PFHxA)	128		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	88.0		P	30 - 160
Perfluorononanoic acid (PFNA)	112		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	95.5		P	30 - 160
Perfluorooctanoic acid (PFOA)	125		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	103		P	30 - 160
Perfluoropentanoic acid (PFPeA)	118		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	108		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	123		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	103		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	106		P	30 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P427410

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	81.4		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	136		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	103		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	89.5		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	90.3		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	126		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	94.2		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	91.4		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	110		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	117		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	156		P	30 - 160

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P427410

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoro-1-hexane sulfonamide (FHxSA)	160		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	112		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	113		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	126		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	111		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	115		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	119		P	30 - 160
Perfluorobutanoic acid (PFBA)	119		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	96.0		P	30 - 160
Perfluorodecanoic acid (PFDA)	79.9		P	30 - 160
Perfluorododecanoic acid (PFDoA)	66.4		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	110		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	110		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	117		P	30 - 160
Perfluorohexanoic acid (PFHxA)	117		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	114		P	30 - 160
Perfluorononanoic acid (PFNA)	99.8		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	91.7		P	30 - 160
Perfluorooctanoic acid (PFOA)	127		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	122		P	30 - 160
Perfluoropentanoic acid (PFPeA)	88.1		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	108		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	82.8		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	108		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	89.2		P	30 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P427575

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	101		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	124		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	111		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	102		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	150		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	149		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	93.5		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	95.2		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	115		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	115		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	139		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	155		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	116		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	113		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	142		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	111		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	125		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	124		P	30 - 160
Perfluorobutanoic acid (PFBA)	115		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	129		P	30 - 160
Perfluorodecanoic acid (PFDA)	74.3		P	30 - 160
Perfluorododecanoic acid (PFDoA)	74.4		P	30 - 160

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P427575

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoroheptanesulfonic acid (PFHpS)	125		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	121		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	116		P	30 - 160
Perfluorohexanoic acid (PFHxA)	90.0		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	115		P	30 - 160
Perfluorononanoic acid (PFNA)	111		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	110		P	30 - 160
Perfluorooctanoic acid (PFOA)	90.8		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	120		P	30 - 160
Perfluoropentanoic acid (PFPeA)	125		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	127		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	115		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	120		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	92.0		P	30 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P427622

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	97.9		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	118		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	132		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	102		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	149		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	159		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	99.3		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	96.8		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	113		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	128		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	147		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	143		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	111		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	116		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	135		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	108		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	121		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	121		P	30 - 160
Perfluorobutanoic acid (PFBA)	135		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	110		P	30 - 160
Perfluorodecanoic acid (PFDA)	95.6		P	30 - 160
Perfluorododecanoic acid (PFDoA)	61.0		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	118		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	122		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	121		P	30 - 160
Perfluorohexanoic acid (PFHxA)	98.1		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	130		P	30 - 160
Perfluorononanoic acid (PFNA)	126		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	100		P	30 - 160
Perfluorooctanoic acid (PFOA)	104		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	117		P	30 - 160
Perfluoropentanoic acid (PFPeA)	104		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	119		P	30 - 160

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P427622

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluorotetradecanoic acid (PFTeA)	103		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	115		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	119		P	30 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P427623

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	77.2		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	93.8		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	100		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	94.0		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	132		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	133		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	78.3		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	95.2		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	88.0		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	104		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	154		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	127		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	111		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	107		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	139		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	99.5		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	107		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	103		P	30 - 160
Perfluorobutanoic acid (PFBA)	102		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	91.7		P	30 - 160
Perfluorodecanoic acid (PFDA)	119		P	30 - 160
Perfluorododecanoic acid (PFDoA)	107		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	129		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	87.4		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	109		P	30 - 160
Perfluorohexanoic acid (PFHxA)	101		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	87.9		P	30 - 160
Perfluorononanoic acid (PFNA)	131		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	81.8		P	30 - 160
Perfluorooctanoic acid (PFOA)	73.4		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	99.1		P	30 - 160
Perfluoropentanoic acid (PFPeA)	121		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	111		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	109		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	126		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	134		P	30 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P427795

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	53.7		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	62.6		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	89.3		P	30 - 160

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P427795

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	119		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	111		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	95.1		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	112		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	88.7		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	87.3		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	74.4		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	140		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	139		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	96.9		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	95.4		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	97.7		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	98.1		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	90.0		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	95.5		P	30 - 160
Perfluorobutanoic acid (PFBA)	104		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	65.4		P	30 - 160
Perfluorodecanoic acid (PFDA)	137		P	30 - 160
Perfluorododecanoic acid (PFDoA)	144		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	97.2		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	76.8		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	93.6		P	30 - 160
Perfluorohexanoic acid (PFHxA)	85.8		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	77.1		P	30 - 160
Perfluorononanoic acid (PFNA)	133		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	99.9		P	30 - 160
Perfluorooctanoic acid (PFOA)	83.9		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	94.6		P	30 - 160
Perfluoropentanoic acid (PFPeA)	81.6		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	81.6		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	98.3		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	64.8		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	94.4		P	30 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P427298

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392279	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	66.0	54.5	P/P	30 - 160
2392279	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	126	130	P/P	30 - 160
2392279	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	104	105	P/P	30 - 160
2392279	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	115	108	P/P	30 - 160
2392279	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	159	129	P/P	30 - 160
2392279	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	78.1	79.6	P/P	30 - 160
2392279	Hexafluoropropylene oxide dimer acid (HFPO-DA)	106	85.7	P/P	30 - 160
2392279	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	94.3	104	P/P	30 - 160
2392279	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	82.8	86.5	P/P	30 - 160
2392279	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	142	134	P/P	30 - 160
2392279	Perfluoro-1-butane sulfonamide (FBSA)	107	115	P/P	30 - 160
2392279	Perfluoro-1-hexane sulfonamide (FHxSA)	128	130	P/P	30 - 160
2392279	Perfluoro-1-octane sulfonamide (FOSA)	110	113	P/P	30 - 160
2392279	Perfluoro-3-methoxypropanoic acid (PFMPA)	110	92.5	P/P	30 - 160
2392279	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	106	102	P/P	30 - 160
2392279	Perfluoro-4-methoxybutanoic acid (PFMBA)	120	104	P/P	30 - 160
2392279	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	116	105	P/P	30 - 160
2392279	Perfluorobutanesulfonic acid (PFBS)	112	104	P/P	30 - 160
2392279	Perfluorobutanoic acid (PFBA)	104	95.2	P/P	30 - 160
2392279	Perfluorodecanesulfonic acid (PFDS)	70.1	64.2	P/P	30 - 160
2392279	Perfluorodecanoic acid (PFDA)	79.0	98.9	P/P	30 - 160
2392279	Perfluorododecanoic acid (PFDoA)	115	118	P/P	30 - 160
2392279	Perfluoroheptanesulfonic acid (PFHpS)	116	108	P/P	30 - 160
2392279	Perfluoroheptanoic acid (PFHpA)	125	147	P/P	30 - 160
2392279	Perfluorohexanesulfonic acid (PFHxS)	105	98.8	P/P	30 - 160
2392279	Perfluorohexanoic acid (PFHxA)	95.1	103	P/P	30 - 160
2392279	Perfluorononanesulfonic acid (PFNS)	92.9	80.5	P/P	30 - 160
2392279	Perfluorononanoic acid (PFNA)	123	109	P/P	30 - 160
2392279	Perfluorooctanesulfonic acid (PFOS)	88.8	93.3	P/P	30 - 160
2392279	Perfluorooctanoic acid (PFOA)	142	148	P/P	30 - 160
2392279	Perfluoropentanesulfonic acid (PFPeS)	107	98.0	P/P	30 - 160
2392279	Perfluoropentanoic acid (PFPeA)	123	124	P/P	30 - 160
2392279	Perfluoropropanesulfonic acid (PFPrS)	105	107	P/P	30 - 160
2392279	Perfluorotetradecanoic acid (PFTeA)	52.4	55.9	P/P	30 - 160
2392279	Perfluorotridecanoic acid (PFTriA)	70.8	69.5	P/P	30 - 160
2392279	Perfluoroundecanoic acid (PFUnA)	85.7	87.8	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P427410

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392325	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	63.7	57.6	P/P	30 - 160
2392325	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	131	118	P/P	30 - 160
2392325	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	121	111	P/P	30 - 160
2392325	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	102	100	P/P	30 - 160
2392325	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	109	86.5	P/P	30 - 160
2392325	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	141	119	P/P	30 - 160
2392325	Hexafluoropropylene oxide dimer acid (HFPO-DA)	94.1	92.8	P/P	30 - 160
2392325	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	97.2	96.7	P/P	30 - 160
2392325	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	89.7	99.0	P/P	30 - 160
2392325	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	148	128	P/P	30 - 160
2392325	Perfluoro-1-butane sulfonamide (FBSA)	158	150	P/P	30 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P427410

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392325	Perfluoro-1-hexane sulfonamide (FHxSA)	168	153	F/P	30 - 160
2392325	Perfluoro-1-octane sulfonamide (FOSA)	122	106	P/P	30 - 160
2392325	Perfluoro-3-methoxypropanoic acid (PFMPA)	125	122	P/P	30 - 160
2392325	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	126	117	P/P	30 - 160
2392325	Perfluoro-4-methoxybutanoic acid (PFMBA)	134	122	P/P	30 - 160
2392325	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	125	118	P/P	30 - 160
2392325	Perfluorobutanesulfonic acid (PFBS)	125	120	P/P	30 - 160
2392325	Perfluorodecanesulfonic acid (PFDS)	80.5	73.7	P/P	30 - 160
2392325	Perfluorodecanoic acid (PFDA)	113	95.5	P/P	30 - 160
2392325	Perfluorododecanoic acid (PFDoA)	102	97.4	P/P	30 - 160
2392325	Perfluoroheptanesulfonic acid (PFHpS)	108	115	P/P	30 - 160
2392325	Perfluorohexanesulfonic acid (PFHxS)	94.9	113	P/P	30 - 160
2392325	Perfluorononanesulfonic acid (PFNS)	100	104	P/P	30 - 160
2392325	Perfluorononanoic acid (PFNA)	148	146	P/P	30 - 160
2392325	Perfluoropentanesulfonic acid (PFPeS)	126	126	P/P	30 - 160
2392325	Perfluoropropanesulfonic acid (PFPrS)	137	125	P/P	30 - 160
2392325	Perfluorotetradecanoic acid (PFTeA)	96.4	89.5	P/P	30 - 160
2392325	Perfluorotridecanoic acid (PFTriA)	89.8	104	P/P	30 - 160
2392325	Perfluoroundecanoic acid (PFUnA)	89.9	112	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P427575

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392375	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	49.4	65.2	P/P	30 - 160
2392375	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	84.5	108	P/P	30 - 160
2392375	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	105	103	P/P	30 - 160
2392375	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	95.2	91.5	P/P	30 - 160
2392375	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	131	117	P/P	30 - 160
2392375	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	110	123	P/P	30 - 160
2392375	Hexafluoropropylene oxide dimer acid (HFPO-DA)	90.9	89.3	P/P	30 - 160
2392375	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	83.9	78.3	P/P	30 - 160
2392375	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	105	76.2	P/P	30 - 160
2392375	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	103	110	P/P	30 - 160
2392375	Perfluoro-1-butane sulfonamide (FBSA)	156	147	P/P	30 - 160
2392375	Perfluoro-1-hexane sulfonamide (FHxSA)	132	125	P/P	30 - 160
2392375	Perfluoro-1-octane sulfonamide (FOSA)	99.7	97.9	P/P	30 - 160
2392375	Perfluoro-3-methoxypropanoic acid (PFMPA)	110	110	P/P	30 - 160
2392375	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	118	113	P/P	30 - 160
2392375	Perfluoro-4-methoxybutanoic acid (PFMBA)	117	123	P/P	30 - 160
2392375	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	96.5	93.0	P/P	30 - 160
2392375	Perfluorobutanesulfonic acid (PFBS)	99.4	102	P/P	30 - 160
2392375	Perfluorobutanoic acid (PFBA)	104	96.0	P/P	30 - 160
2392375	Perfluorodecanesulfonic acid (PFDS)	62.4	76.6	P/P	30 - 160
2392375	Perfluorodecanoic acid (PFDA)	125	99.3	P/P	30 - 160
2392375	Perfluorododecanoic acid (PFDoA)	156	85.3	P/P	30 - 160
2392375	Perfluoroheptanesulfonic acid (PFHpS)	105	93.0	P/P	30 - 160
2392375	Perfluoroheptanoic acid (PFHpA)	52.5	43.4	P/P	30 - 160
2392375	Perfluorohexanesulfonic acid (PFHxS)	109	91.5	P/P	30 - 160
2392375	Perfluorohexanoic acid (PFHxA)	69.2	58.6	P/P	30 - 160
2392375	Perfluorononanesulfonic acid (PFNS)	80.3	96.4	P/P	30 - 160
2392375	Perfluorononanoic acid (PFNA)	99.4	108	P/P	30 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P427575

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392375	Perfluorooctanesulfonic acid (PFOS)	46.2	82.5	P/P	30 - 160
2392375	Perfluorooctanoic acid (PFOA)	71.4	64.0	P/P	30 - 160
2392375	Perfluoropentanesulfonic acid (PFPeS)	100	95.9	P/P	30 - 160
2392375	Perfluoropentanoic acid (PFPeA)	96.2	120	P/P	30 - 160
2392375	Perfluoropropanesulfonic acid (PFPrS)	95.2	98.8	P/P	30 - 160
2392375	Perfluorotetradecanoic acid (PFTeA)	76.1	75.3	P/P	30 - 160
2392375	Perfluorotridecanoic acid (PFTriA)	101	98.2	P/P	30 - 160
2392375	Perfluoroundecanoic acid (PFUnA)	80.8	79.0	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P427622

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392407	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	59.2	57.4	P/P	30 - 160
2392407	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	115	140	P/P	30 - 160
2392407	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	118	106	P/P	30 - 160
2392407	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	94.8	96.1	P/P	30 - 160
2392407	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	147	150	P/P	30 - 160
2392407	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	128	143	P/P	30 - 160
2392407	Hexafluoropropylene oxide dimer acid (HFPO-DA)	63.9	83.6	P/P	30 - 160
2392407	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	77.6	83.5	P/P	30 - 160
2392407	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	100	85.3	P/P	30 - 160
2392407	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	117	136	P/P	30 - 160
2392407	Perfluoro-1-butane sulfonamide (FBSA)	140	150	P/P	30 - 160
2392407	Perfluoro-1-hexane sulfonamide (FHxSA)	158	155	P/P	30 - 160
2392407	Perfluoro-1-octane sulfonamide (FOSA)	114	108	P/P	30 - 160
2392407	Perfluoro-3-methoxypropanoic acid (PFMPA)	126	130	P/P	30 - 160
2392407	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	126	123	P/P	30 - 160
2392407	Perfluoro-4-methoxybutanoic acid (PFMBA)	129	124	P/P	30 - 160
2392407	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	104	110	P/P	30 - 160
2392407	Perfluorobutanesulfonic acid (PFBS)	108	108	P/P	30 - 160
2392407	Perfluorodecanesulfonic acid (PFDS)	77.0	74.6	P/P	30 - 160
2392407	Perfluorodecanoic acid (PFDA)	127	96.0	P/P	30 - 160
2392407	Perfluorododecanoic acid (PFDoA)	87.1	71.7	P/P	30 - 160
2392407	Perfluoroheptanesulfonic acid (PFHpS)	104	108	P/P	30 - 160
2392407	Perfluorononanesulfonic acid (PFNS)	103	92.9	P/P	30 - 160
2392407	Perfluorononanoic acid (PFNA)	137	131	P/P	30 - 160
2392407	Perfluoropentanesulfonic acid (PFPeS)	112	114	P/P	30 - 160
2392407	Perfluoropropanesulfonic acid (PFPrS)	122	127	P/P	30 - 160
2392407	Perfluorotetradecanoic acid (PFTeA)	88.7	84.6	P/P	30 - 160
2392407	Perfluorotridecanoic acid (PFTriA)	107	107	P/P	30 - 160
2392407	Perfluoroundecanoic acid (PFUnA)	148	87.1	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P427623

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393344	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	53.6	55.4	P/P	30 - 160
2393344	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	113	140	P/P	30 - 160
2393344	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	125	107	P/P	30 - 160
2393344	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	79.8	100	P/P	30 - 160
2393344	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	156	130	P/P	30 - 160

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3

Batch ID: P427623

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393344	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	123	136	P/P	30 - 160
2393344	Hexafluoropropylene oxide dimer acid (HFPO-DA)	75.4	69.9	P/P	30 - 160
2393344	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	72.2	85.7	P/P	30 - 160
2393344	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	88.1	105	P/P	30 - 160
2393344	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	136	147	P/P	30 - 160
2393344	Perfluoro-1-butane sulfonamide (FBSA)	131	139	P/P	30 - 160
2393344	Perfluoro-1-hexane sulfonamide (FHxSA)	132	152	P/P	30 - 160
2393344	Perfluoro-1-octane sulfonamide (FOSA)	122	111	P/P	30 - 160
2393344	Perfluoro-3-methoxypropanoic acid (PFMPA)	105	115	P/P	30 - 160
2393344	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	139	136	P/P	30 - 160
2393344	Perfluoro-4-methoxybutanoic acid (PFMBA)	101	112	P/P	30 - 160
2393344	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	111	115	P/P	30 - 160
2393344	Perfluorobutanesulfonic acid (PFBS)	108	121	P/P	30 - 160
2393344	Perfluorobutanoic acid (PFBA)	106	113	P/P	30 - 160
2393344	Perfluorodecanesulfonic acid (PFDS)	58.3	65.8	P/P	30 - 160
2393344	Perfluorodecanoic acid (PFDA)	76.2	88.1	P/P	30 - 160
2393344	Perfluorododecanoic acid (PFDoA)	72.6	96.9	P/P	30 - 160
2393344	Perfluoroheptanesulfonic acid (PFHpS)	113	131	P/P	30 - 160
2393344	Perfluoroheptanoic acid (PFHpA)	80.3	71.7	P/P	30 - 160
2393344	Perfluorohexanesulfonic acid (PFHxS)	108	123	P/P	30 - 160
2393344	Perfluorohexanoic acid (PFHxA)	135	137	P/P	30 - 160
2393344	Perfluorononanesulfonic acid (PFNS)	78.2	90.4	P/P	30 - 160
2393344	Perfluorononanoic acid (PFNA)	112	120	P/P	30 - 160
2393344	Perfluorooctanesulfonic acid (PFOS)	95.6	92.5	P/P	30 - 160
2393344	Perfluorooctanoic acid (PFOA)	86.1	86.1	P/P	30 - 160
2393344	Perfluoropentanesulfonic acid (PFPeS)	107	115	P/P	30 - 160
2393344	Perfluoropentanoic acid (PFPeA)	90.2	115	P/P	30 - 160
2393344	Perfluoropropanesulfonic acid (PFPrS)	131	137	P/P	30 - 160
2393344	Perfluorotetradecanoic acid (PFTeA)	101	103	P/P	30 - 160
2393344	Perfluorotridecanoic acid (PFTriA)	103	113	P/P	30 - 160
2393344	Perfluoroundecanoic acid (PFUnA)	104	109	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3

Batch ID: P427795

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2395170	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	52.4	46.7	P/P	30 - 160
2395170	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	82.5	91.3	P/P	30 - 160
2395170	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	86.8	87.6	P/P	30 - 160
2395170	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	88.6	96.9	P/P	30 - 160
2395170	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	70.7	60.9	P/P	30 - 160
2395170	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	96.1	88.5	P/P	30 - 160
2395170	Hexafluoropropylene oxide dimer acid (HFPO-DA)	80.5	73.9	P/P	30 - 160
2395170	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	99.4	93.9	P/P	30 - 160
2395170	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	96.8	89.3	P/P	30 - 160
2395170	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	75.5	90.4	P/P	30 - 160
2395170	Perfluoro-1-butane sulfonamide (FBSA)	131	110	P/P	30 - 160
2395170	Perfluoro-1-hexane sulfonamide (FHxSA)	137	114	P/P	30 - 160
2395170	Perfluoro-1-octane sulfonamide (FOSA)	89.6	88.0	P/P	30 - 160
2395170	Perfluoro-3-methoxypropanoic acid (PFMPA)	124	131	P/P	30 - 160
2395170	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	96.8	98.6	P/P	30 - 160
2395170	Perfluoro-4-methoxybutanoic acid (PFMBA)	127	143	P/P	30 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P427795

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2395170	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	95.3	90.0	P/P	30 - 160
2395170	Perfluorobutanesulfonic acid (PFBS)	98.4	498	P/F	30 - 160
2395170	Perfluorodecanesulfonic acid (PFDS)	70.0	65.3	P/P	30 - 160
2395170	Perfluorodecanoic acid (PFDA)	84.7	72.8	P/P	30 - 160
2395170	Perfluorododecanoic acid (PFDoA)	152	136	P/P	30 - 160
2395170	Perfluoroheptanesulfonic acid (PFHpS)	110	108	P/P	30 - 160
2395170	Perfluoroheptanoic acid (PFHpA)	92.8	52.9	P/P	30 - 160
2395170	Perfluorohexanesulfonic acid (PFHxS)	102	64.3	P/P	30 - 160
2395170	Perfluorononanesulfonic acid (PFNS)	82.3	75.3	P/P	30 - 160
2395170	Perfluorononanoic acid (PFNA)	78.6	81.5	P/P	30 - 160
2395170	Perfluorooctanesulfonic acid (PFOS)	124	158	P/P	30 - 160
2395170	Perfluorooctanoic acid (PFOA)	49.6	55.4	P/P	30 - 160
2395170	Perfluoropentanesulfonic acid (PFPeS)	88.3	97.9	P/P	30 - 160
2395170	Perfluoropropanesulfonic acid (PFPrS)	92.0	93.8	P/P	30 - 160
2395170	Perfluorotetradecanoic acid (PFTeA)	77.1	78.4	P/P	30 - 160
2395170	Perfluorotridecanoic acid (PFTriA)	89.6	68.2	P/P	30 - 160
2395170	Perfluoroundecanoic acid (PFUnA)	128	131	P/P	30 - 160

Quality Assurance Report Precision

Reference Method: DEP SOP: LC-001-3

Batch ID: P427298

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392279	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	19.0	Spike	P	0 - 30
2392279	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	3.65	Spike	P	0 - 30
2392279	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.291	Spike	P	0 - 30
2392279	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	6.33	Spike	P	0 - 30
2392279	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	20.4	Spike	P	0 - 30
2392279	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	1.90	Spike	P	0 - 30
2392279	Hexafluoropropylene oxide dimer acid (HFPO-DA)	20.7	Spike	P	0 - 30
2392279	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	10.1	Spike	P	0 - 30
2392279	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.40	Spike	P	0 - 30
2392279	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.83	Spike	P	0 - 30
2392279	Perfluoro-1-butane sulfonamide (FBSA)	7.49	Spike	P	0 - 30
2392279	Perfluoro-1-hexane sulfonamide (FHxSA)	1.08	Spike	P	0 - 30
2392279	Perfluoro-1-octane sulfonamide (FOSA)	3.03	Spike	P	0 - 30
2392279	Perfluoro-3-methoxypropanoic acid (PFMPA)	17.6	Spike	P	0 - 30
2392279	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.29	Spike	P	0 - 30
2392279	Perfluoro-4-methoxybutanoic acid (PFMBA)	13.9	Spike	P	0 - 30
2392279	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	10.0	Spike	P	0 - 30
2392279	Perfluorobutanesulfonic acid (PFBS)	7.46	Spike	P	0 - 30
2392279	Perfluorobutanoic acid (PFBA)	9.26	Spike	P	0 - 30
2392279	Perfluorodecanesulfonic acid (PFDS)	8.85	Spike	P	0 - 30
2392279	Perfluorodecanoic acid (PFDA)	22.4	Spike	P	0 - 30
2392279	Perfluorododecanoic acid (PFDoA)	2.76	Spike	P	0 - 30
2392279	Perfluoroheptanesulfonic acid (PFHpS)	7.09	Spike	P	0 - 30
2392279	Perfluoroheptanoic acid (PFHpA)	15.9	Spike	P	0 - 30
2392279	Perfluorohexanesulfonic acid (PFHxS)	6.14	Spike	P	0 - 30
2392279	Perfluorohexanoic acid (PFHxA)	7.48	Spike	P	0 - 30
2392279	Perfluorononanesulfonic acid (PFNS)	14.3	Spike	P	0 - 30
2392279	Perfluorononanoic acid (PFNA)	11.8	Spike	P	0 - 30
2392279	Perfluorooctanesulfonic acid (PFOS)	4.94	Spike	P	0 - 30
2392279	Perfluorooctanoic acid (PFOA)	4.22	Spike	P	0 - 30
2392279	Perfluoropentanesulfonic acid (PFPeS)	9.06	Spike	P	0 - 30
2392279	Perfluoropentanoic acid (PFPeA)	0.728	Spike	P	0 - 30
2392279	Perfluoropropanesulfonic acid (PFPrS)	1.90	Spike	P	0 - 30
2392279	Perfluorotetradecanoic acid (PFTeA)	6.42	Spike	P	0 - 30
2392279	Perfluorotridecanoic acid (PFTriA)	1.86	Spike	P	0 - 30
2392279	Perfluoroundecanoic acid (PFUnA)	2.43	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3

Batch ID: P427410

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392325	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	10.1	Spike	P	0 - 30
2392325	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	10.3	Spike	P	0 - 30
2392325	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	8.45	Spike	P	0 - 30
2392325	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.01	Spike	P	0 - 30
2392325	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	23.1	Spike	P	0 - 30
2392325	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	17.4	Spike	P	0 - 30
2392325	Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.46	Spike	P	0 - 30
2392325	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.549	Spike	P	0 - 30
2392325	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.91	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: DEP SOP: LC-001-3

Batch ID: P427410

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392325	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	14.5	Spike	P	0 - 30
2392325	Perfluoro-1-butane sulfonamide (FBSA)	5.18	Spike	P	0 - 30
2392325	Perfluoro-1-hexane sulfonamide (FHxSA)	8.76	Spike	P	0 - 30
2392325	Perfluoro-1-octane sulfonamide (FOSA)	13.9	Spike	P	0 - 30
2392325	Perfluoro-3-methoxypropanoic acid (PFMPA)	2.51	Spike	P	0 - 30
2392325	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	7.95	Spike	P	0 - 30
2392325	Perfluoro-4-methoxybutanoic acid (PFMBA)	9.65	Spike	P	0 - 30
2392325	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	6.21	Spike	P	0 - 30
2392325	Perfluorobutanesulfonic acid (PFBS)	2.61	Spike	P	0 - 30
2392325	Perfluorobutanoic acid (PFBA)	4.87	Spike	P	0 - 30
2392325	Perfluorodecanesulfonic acid (PFDS)	8.77	Spike	P	0 - 30
2392325	Perfluorodecanoic acid (PFDA)	16.7	Spike	P	0 - 30
2392325	Perfluorododecanoic acid (PFDoA)	4.62	Spike	P	0 - 30
2392325	Perfluoroheptanesulfonic acid (PFHpS)	4.89	Spike	P	0 - 30
2392325	Perfluoroheptanoic acid (PFHpA)	6.41	Spike	P	0 - 30
2392325	Perfluorohexanesulfonic acid (PFHxS)	6.65	Spike	P	0 - 30
2392325	Perfluorohexanoic acid (PFHxA)	2.25	Spike	P	0 - 30
2392325	Perfluorononanesulfonic acid (PFNS)	3.51	Spike	P	0 - 30
2392325	Perfluorononanoic acid (PFNA)	1.72	Spike	P	0 - 30
2392325	Perfluorooctanesulfonic acid (PFOS)	10.6	Spike	P	0 - 30
2392325	Perfluorooctanoic acid (PFOA)	2.03	Spike	P	0 - 30
2392325	Perfluoropentanesulfonic acid (PFPeS)	0.575	Spike	P	0 - 30
2392325	Perfluoropentanoic acid (PFPeA)	28.1	Spike	P	0 - 30
2392325	Perfluoropropanesulfonic acid (PFPrS)	9.66	Spike	P	0 - 30
2392325	Perfluorotetradecanoic acid (PFTeA)	7.41	Spike	P	0 - 30
2392325	Perfluorotridecanoic acid (PFTriA)	14.8	Spike	P	0 - 30
2392325	Perfluoroundecanoic acid (PFUnA)	22.0	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3

Batch ID: P427575

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392375	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	27.7	Spike	P	0 - 30
2392375	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	24.5	Spike	P	0 - 30
2392375	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.36	Spike	P	0 - 30
2392375	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	3.88	Spike	P	0 - 30
2392375	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	11.3	Spike	P	0 - 30
2392375	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	11.4	Spike	P	0 - 30
2392375	Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.80	Spike	P	0 - 30
2392375	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	6.92	Spike	P	0 - 30
2392375	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	31.8	Spike	F	0 - 30
2392375	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	6.39	Spike	P	0 - 30
2392375	Perfluoro-1-butane sulfonamide (FBSA)	5.91	Spike	P	0 - 30
2392375	Perfluoro-1-hexane sulfonamide (FHxSA)	5.18	Spike	P	0 - 30
2392375	Perfluoro-1-octane sulfonamide (FOSA)	1.84	Spike	P	0 - 30
2392375	Perfluoro-3-methoxypropanoic acid (PFMPA)	0.225	Spike	P	0 - 30
2392375	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.33	Spike	P	0 - 30
2392375	Perfluoro-4-methoxybutanoic acid (PFMBA)	5.42	Spike	P	0 - 30
2392375	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	3.76	Spike	P	0 - 30
2392375	Perfluorobutanesulfonic acid (PFBS)	2.02	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: DEP SOP: LC-001-3

Batch ID: P427575

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392375	Perfluorobutanoic acid (PFBA)	4.89	Spike	P	0 - 30
2392375	Perfluorodecanesulfonic acid (PFDS)	20.4	Spike	P	0 - 30
2392375	Perfluorodecanoic acid (PFDA)	23.0	Spike	P	0 - 30
2392375	Perfluorododecanoic acid (PFDoA)	58.7	Spike	F	0 - 30
2392375	Perfluoroheptanesulfonic acid (PFHpS)	11.9	Spike	P	0 - 30
2392375	Perfluoroheptanoic acid (PFHpA)	7.13	Spike	P	0 - 30
2392375	Perfluorohexanesulfonic acid (PFHxS)	11.9	Spike	P	0 - 30
2392375	Perfluorohexanoic acid (PFHxA)	6.89	Spike	P	0 - 30
2392375	Perfluorononanesulfonic acid (PFNS)	18.3	Spike	P	0 - 30
2392375	Perfluorononanoic acid (PFNA)	3.69	Spike	P	0 - 30
2392375	Perfluorooctanesulfonic acid (PFOS)	17.7	Spike	P	0 - 30
2392375	Perfluorooctanoic acid (PFOA)	5.03	Spike	P	0 - 30
2392375	Perfluoropentanesulfonic acid (PFPeS)	4.11	Spike	P	0 - 30
2392375	Perfluoropentanoic acid (PFPeA)	9.58	Spike	P	0 - 30
2392375	Perfluoropropanesulfonic acid (PFPrS)	3.69	Spike	P	0 - 30
2392375	Perfluorotetradecanoic acid (PFTeA)	1.08	Spike	P	0 - 30
2392375	Perfluorotridecanoic acid (PFTriA)	2.92	Spike	P	0 - 30
2392375	Perfluoroundecanoic acid (PFUnA)	2.26	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3

Batch ID: P427622

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392407	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.11	Spike	P	0 - 30
2392407	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	19.8	Spike	P	0 - 30
2392407	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	10.7	Spike	P	0 - 30
2392407	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.30	Spike	P	0 - 30
2392407	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.19	Spike	P	0 - 30
2392407	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	10.9	Spike	P	0 - 30
2392407	Hexafluoropropylene oxide dimer acid (HFPO-DA)	26.8	Spike	P	0 - 30
2392407	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	7.25	Spike	P	0 - 30
2392407	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	16.2	Spike	P	0 - 30
2392407	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	15.3	Spike	P	0 - 30
2392407	Perfluoro-1-butane sulfonamide (FBSA)	6.58	Spike	P	0 - 30
2392407	Perfluoro-1-hexane sulfonamide (FHxSA)	1.84	Spike	P	0 - 30
2392407	Perfluoro-1-octane sulfonamide (FOSA)	5.09	Spike	P	0 - 30
2392407	Perfluoro-3-methoxypropanoic acid (PFMPA)	3.00	Spike	P	0 - 30
2392407	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	2.19	Spike	P	0 - 30
2392407	Perfluoro-4-methoxybutanoic acid (PFMBA)	3.60	Spike	P	0 - 30
2392407	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	5.36	Spike	P	0 - 30
2392407	Perfluorobutanesulfonic acid (PFBS)	0.0548	Spike	P	0 - 30
2392407	Perfluorobutanoic acid (PFBA)	6.68	Spike	P	0 - 30
2392407	Perfluorodecanesulfonic acid (PFDS)	3.14	Spike	P	0 - 30
2392407	Perfluorodecanoic acid (PFDA)	27.8	Spike	P	0 - 30
2392407	Perfluorododecanoic acid (PFDoA)	19.4	Spike	P	0 - 30
2392407	Perfluoroheptanesulfonic acid (PFHpS)	3.42	Spike	P	0 - 30
2392407	Perfluoroheptanoic acid (PFHpA)	7.72	Spike	P	0 - 30
2392407	Perfluorohexanesulfonic acid (PFHxS)	9.53	Spike	P	0 - 30
2392407	Perfluorohexanoic acid (PFHxA)	15.0	Spike	P	0 - 30
2392407	Perfluorononanesulfonic acid (PFNS)	10.0	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: DEP SOP: LC-001-3

Batch ID: P427622

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392407	Perfluorononanoic acid (PFNA)	3.30	Spike	P	0 - 30
2392407	Perfluorooctanesulfonic acid (PFOS)	7.64	Spike	P	0 - 30
2392407	Perfluorooctanoic acid (PFOA)	0.161	Spike	P	0 - 30
2392407	Perfluoropentanesulfonic acid (PFPeS)	1.08	Spike	P	0 - 30
2392407	Perfluoropentanoic acid (PFPeA)	4.99	Spike	P	0 - 30
2392407	Perfluoropropanesulfonic acid (PFPrS)	3.98	Spike	P	0 - 30
2392407	Perfluorotetradecanoic acid (PFTeA)	4.77	Spike	P	0 - 30
2392407	Perfluorotridecanoic acid (PFTriA)	0.0749	Spike	P	0 - 30
2392407	Perfluoroundecanoic acid (PFUnA)	51.9	Spike	F	0 - 30

Reference Method: DEP SOP: LC-001-3

Batch ID: P427623

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393344	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.25	Spike	P	0 - 30
2393344	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	20.9	Spike	P	0 - 30
2393344	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	15.4	Spike	P	0 - 30
2393344	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	22.9	Spike	P	0 - 30
2393344	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	18.1	Spike	P	0 - 30
2393344	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	10.1	Spike	P	0 - 30
2393344	Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.55	Spike	P	0 - 30
2393344	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	17.0	Spike	P	0 - 30
2393344	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	17.0	Spike	P	0 - 30
2393344	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	7.45	Spike	P	0 - 30
2393344	Perfluoro-1-butane sulfonamide (FBSA)	5.74	Spike	P	0 - 30
2393344	Perfluoro-1-hexane sulfonamide (FHxSA)	13.9	Spike	P	0 - 30
2393344	Perfluoro-1-octane sulfonamide (FOSA)	9.42	Spike	P	0 - 30
2393344	Perfluoro-3-methoxypropanoic acid (PFMPA)	9.26	Spike	P	0 - 30
2393344	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	1.92	Spike	P	0 - 30
2393344	Perfluoro-4-methoxybutanoic acid (PFMBA)	10.3	Spike	P	0 - 30
2393344	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	3.17	Spike	P	0 - 30
2393344	Perfluorobutanesulfonic acid (PFBS)	9.83	Spike	P	0 - 30
2393344	Perfluorobutanoic acid (PFBA)	4.65	Spike	P	0 - 30
2393344	Perfluorodecanesulfonic acid (PFDS)	12.2	Spike	P	0 - 30
2393344	Perfluorodecanoic acid (PFDA)	14.5	Spike	P	0 - 30
2393344	Perfluorododecanoic acid (PFDoA)	28.7	Spike	P	0 - 30
2393344	Perfluoroheptanesulfonic acid (PFHpS)	14.1	Spike	P	0 - 30
2393344	Perfluoroheptanoic acid (PFHpA)	7.49	Spike	P	0 - 30
2393344	Perfluorohexanesulfonic acid (PFHxS)	12.1	Spike	P	0 - 30
2393344	Perfluorohexanoic acid (PFHxA)	0.975	Spike	P	0 - 30
2393344	Perfluorononanesulfonic acid (PFNS)	14.4	Spike	P	0 - 30
2393344	Perfluorononanoic acid (PFNA)	6.20	Spike	P	0 - 30
2393344	Perfluorooctanesulfonic acid (PFOS)	2.32	Spike	P	0 - 30
2393344	Perfluorooctanoic acid (PFOA)	0.0	Spike	P	0 - 30
2393344	Perfluoropentanesulfonic acid (PFPeS)	6.81	Spike	P	0 - 30
2393344	Perfluoropentanoic acid (PFPeA)	11.0	Spike	P	0 - 30
2393344	Perfluoropropanesulfonic acid (PFPrS)	4.27	Spike	P	0 - 30
2393344	Perfluorotetradecanoic acid (PFTeA)	2.28	Spike	P	0 - 30
2393344	Perfluorotridecanoic acid (PFTriA)	9.33	Spike	P	0 - 30
2393344	Perfluoroundecanoic acid (PFUnA)	4.64	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: DEP SOP: LC-001-3

Batch ID: P427795

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2395170	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	11.4	Spike	P	0 - 30
2395170	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	10.1	Spike	P	0 - 30
2395170	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.911	Spike	P	0 - 30
2395170	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	8.89	Spike	P	0 - 30
2395170	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	14.9	Spike	P	0 - 30
2395170	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	8.15	Spike	P	0 - 30
2395170	Hexafluoropropylene oxide dimer acid (HFPO-DA)	8.53	Spike	P	0 - 30
2395170	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.77	Spike	P	0 - 30
2395170	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	8.06	Spike	P	0 - 30
2395170	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	17.9	Spike	P	0 - 30
2395170	Perfluoro-1-butane sulfonamide (FBSA)	16.7	Spike	P	0 - 30
2395170	Perfluoro-1-hexane sulfonamide (FHxSA)	17.7	Spike	P	0 - 30
2395170	Perfluoro-1-octane sulfonamide (FOSA)	1.86	Spike	P	0 - 30
2395170	Perfluoro-3-methoxypropanoic acid (PFMPA)	5.42	Spike	P	0 - 30
2395170	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	1.88	Spike	P	0 - 30
2395170	Perfluoro-4-methoxybutanoic acid (PFMBA)	11.3	Spike	P	0 - 30
2395170	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	5.76	Spike	P	0 - 30
2395170	Perfluorobutanesulfonic acid (PFBS)	115	Spike	F	0 - 30
2395170	Perfluorobutanoic acid (PFBA)	40.8	Spike	F	0 - 30
2395170	Perfluorodecanesulfonic acid (PFDS)	6.94	Spike	P	0 - 30
2395170	Perfluorodecanoic acid (PFDA)	15.1	Spike	P	0 - 30
2395170	Perfluorododecanoic acid (PFDoA)	11.2	Spike	P	0 - 30
2395170	Perfluoroheptanesulfonic acid (PFHpS)	1.44	Spike	P	0 - 30
2395170	Perfluoroheptanoic acid (PFHpA)	25.5	Spike	P	0 - 30
2395170	Perfluorohexanesulfonic acid (PFHxS)	21.6	Spike	P	0 - 30
2395170	Perfluorohexanoic acid (PFHxA)	92.8	Spike	F	0 - 30
2395170	Perfluorononanesulfonic acid (PFNS)	8.85	Spike	P	0 - 30
2395170	Perfluorononanoic acid (PFNA)	3.67	Spike	P	0 - 30
2395170	Perfluorooctanesulfonic acid (PFOS)	11.3	Spike	P	0 - 30
2395170	Perfluorooctanoic acid (PFOA)	4.30	Spike	P	0 - 30
2395170	Perfluoropentanesulfonic acid (PFPeS)	10.0	Spike	P	0 - 30
2395170	Perfluoropentanoic acid (PFPeA)	104	Spike	F	0 - 30
2395170	Perfluoropropanesulfonic acid (PFPrS)	1.92	Spike	P	0 - 30
2395170	Perfluorotetradecanoic acid (PFTeA)	1.67	Spike	P	0 - 30
2395170	Perfluorotridecanoic acid (PFTriA)	27.2	Spike	P	0 - 30
2395170	Perfluoroundecanoic acid (PFUnA)	1.67	Spike	P	0 - 30

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report Surrogates

Lab Sample ID: 2392312

Field Sample ID: DEPMW-50 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	98.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	124	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	83.3	P	30 - 160

Lab Sample ID: 2392313

Field Sample ID: DEPMW-24 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	144	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	101	P	30 - 160

Lab Sample ID: 2392314

Field Sample ID: DEPMW-20 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	127	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	63.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	125	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	95.0	P	30 - 160

Lab Sample ID: 2392315

Field Sample ID: DEPMW-9 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	78.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	125	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	74.6	P	30 - 160

Lab Sample ID: 2392316

Field Sample ID: DEPMW-4 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	83.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	126	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	104	P	30 - 160

Lab Sample ID: 2392317

Field Sample ID: DEPMW-36 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	80.2	P	30 - 160
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	63.0	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2392317

Field Sample ID: DEPMW-36 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	97.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	61.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	96.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	127	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	97.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	79.1	P	30 - 160

Lab Sample ID: 2392318

Field Sample ID: DEPMW-33 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	158	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	76.6	P	30 - 160

Lab Sample ID: 2392319

Field Sample ID: DEPMW-22 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	70.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	98.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	74.1	P	30 - 160

Lab Sample ID: 2392320

Field Sample ID: DEPMW-31 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	123	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.8	P	30 - 160

Lab Sample ID: 2392321

Field Sample ID: DEPMW-59 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	93.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	131	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2392322

Field Sample ID: DEPMW-54 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	122	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	133	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	124	P	30 - 160

Lab Sample ID: 2392323

Field Sample ID: DEPMW-41 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	124	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	158	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	73.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	132	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	95.5	P	30 - 160

Lab Sample ID: 2392324

Field Sample ID: DEPMW-56 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	99.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.4	P	30 - 160

Lab Sample ID: 2392325

Field Sample ID: DEPMW-2 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	96.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	152	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	98.5	P	30 - 160

Lab Sample ID: 2392326

Field Sample ID: DEPMW-13 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	89.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	149	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	108	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2392327

Field Sample ID: DEPMW-55 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	138	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	135	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	108	P	30 - 160

Lab Sample ID: 2392328

Field Sample ID: DEPMW-30 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	104	P	30 - 160

Lab Sample ID: 2392329

Field Sample ID: DEPMW-29 (9-19)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	135	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	122	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	107	P	30 - 160

Lab Sample ID: 2392330

Field Sample ID: DEPMW-42 (25-35)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	89.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	127	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	69.8	P	30 - 160

Lab Sample ID: 2392331

Field Sample ID: DEPMW-57 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	122	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.3	P	30 - 160

Lab Sample ID: 2392332

Field Sample ID: DEPMW-15 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	79.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	117	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2392332

Field Sample ID: DEPMW-15 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	131	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	129	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.3	P	30 - 160

Lab Sample ID: 2392333

Field Sample ID: DEPMW-1 (5-15)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.9	P	30 - 160

Lab Sample ID: 2392334

Field Sample ID: FRB-23

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	124	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	73.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.3	P	30 - 160

Lab Sample ID: 2392358

Field Sample ID: DEPMW-11 (5-15)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	95.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	93.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	131	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	91.8	P	30 - 160

Lab Sample ID: 2392359

Field Sample ID: DEPMW-48 (151-171)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	59.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	131	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	79.0	P	30 - 160

Lab Sample ID: 2392360

Field Sample ID: DEPMW-47 (110-130)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	71.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	121	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2392360

Field Sample ID: DEPMW-47 (110-130)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	80.1	P	30 - 160

Lab Sample ID: 2392361

Field Sample ID: DEPMW-25 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	140	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2392362

Field Sample ID: DEPMW-37 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	95.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	125	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	82.2	P	30 - 160

Lab Sample ID: 2392363

Field Sample ID: DEPMW-62 (110-130)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	78.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	98.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	92.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	69.7	P	30 - 160

Lab Sample ID: 2392364

Field Sample ID: DEPMW-46 (120-140)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	93.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	123	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.1	P	30 - 160

Lab Sample ID: 2392365

Field Sample ID: DEPMW-18 (38-48)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.9	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2392366

Field Sample ID: DEPMW-3 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	91.9	P	30 - 160

Lab Sample ID: 2392367

Field Sample ID: DEPMW-16 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	88.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.1	P	30 - 160

Lab Sample ID: 2392368

Field Sample ID: DEPMW-7 (5-15)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	80.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	125	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.6	P	30 - 160

Lab Sample ID: 2392369

Field Sample ID: DEPMW-35 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	96.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.5	P	30 - 160

Lab Sample ID: 2392370

Field Sample ID: DEPMW-23 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	83.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	124	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	124	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.8	P	30 - 160

Lab Sample ID: 2392371

Field Sample ID: DEPMW-27 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	98.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	110	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2392371

Field Sample ID: DEPMW-27 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	95.6	P	30 - 160

Lab Sample ID: 2392372

Field Sample ID: DEPMW-26 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	91.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	95.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	158	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.4	P	30 - 160

Lab Sample ID: 2392373

Field Sample ID: DEPMW-17 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	85.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	135	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	104	P	30 - 160

Lab Sample ID: 2392374

Field Sample ID: DEPMW-17 (40-50) Dup

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	98.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	146	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	126	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2392375

Field Sample ID: DEPMW-28 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	89.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	79.1	P	30 - 160

Lab Sample ID: 2392376

Field Sample ID: DEPMW-5 (5-15)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	96.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	115	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2392376
Field Sample ID: DEPMW-5 (5-15)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	72.4	P	30 - 160

Lab Sample ID: 2392377
Field Sample ID: DEPMW-6 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	141	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	76.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	116	P	30 - 160

Lab Sample ID: 2392378
Field Sample ID: DEPMW-60 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	92.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.4	P	30 - 160

Lab Sample ID: 2392400
Field Sample ID: DEPMW-38 (90-110)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	90.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	95.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	80.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	120	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.0	P	30 - 160

Lab Sample ID: 2392401
Field Sample ID: DEPMW-45 (120-140)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	93.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	56.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	85.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	112	P	30 - 160

Lab Sample ID: 2392402
Field Sample ID: DEPMW-53 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	79.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	124	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	109	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2392403

Field Sample ID: DEPMW-43 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	80.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	146	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	129	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.7	P	30 - 160

Lab Sample ID: 2392404

Field Sample ID: DEPMW-19 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	72.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	125	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	80.3	P	30 - 160

Lab Sample ID: 2392405

Field Sample ID: DEPMW-12 (5-15)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	127	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	125	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	110	P	30 - 160

Lab Sample ID: 2392406

Field Sample ID: DEPMW-14 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	99.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	131	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	120	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	112	P	30 - 160

Lab Sample ID: 2392407

Field Sample ID: DEPMW-10 (5-15)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	99.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	81.7	P	30 - 160

Lab Sample ID: 2392408

Field Sample ID: DEPMW-8 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	94.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	108	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2392408

Field Sample ID: DEPMW-8 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	124	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2392409

Field Sample ID: DEPMW-8 (7-17) Dup

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	156	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	108	P	30 - 160

Lab Sample ID: 2392410

Field Sample ID: DEPMW-39 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	69.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	160	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	125	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	68.3	P	30 - 160

Lab Sample ID: 2392411

Field Sample ID: DEPMW-21 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	91.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	82.3	P	30 - 160

Lab Sample ID: 2392412

Field Sample ID: DEPMW-52 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.2	P	30 - 160

Lab Sample ID: 2392413

Field Sample ID: DEPMW-51 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	88.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	127	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2392413

Field Sample ID: DEPMW-51 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.1	P	30 - 160

Lab Sample ID: 2392414

Field Sample ID: DEPMW-51 (7-17) Dup

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	92.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	93.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	76.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	90.8	P	30 - 160

Lab Sample ID: 2392415

Field Sample ID: DEPMW-44 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	97.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	152	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.0	P	30 - 160

Lab Sample ID: 2392416

Field Sample ID: DEPMW-58 (25-35)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	93.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.5	P	30 - 160

Lab Sample ID: 2392417

Field Sample ID: DEPMW-40 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.1	P	30 - 160

Lab Sample ID: 2392418

Field Sample ID: DEPMW-32 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	139	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	98.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	70.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	90.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	106	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2392419

Field Sample ID: DEPMW-61 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	154	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	115	P	30 - 160

Lab Sample ID: 2392420

Field Sample ID: EQB-71

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	75.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	122	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.8	P	30 - 160

Lab Sample ID: 2392421

Field Sample ID: EQB-72

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	65.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.3	P	30 - 160

Lab Sample ID: 2392422

Field Sample ID: EQB-70

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	132	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	105	P	30 - 160

Lab Sample ID: 2392458

Field Sample ID: DEPMW-34 (40-50)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	71.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	108	P	30 - 160

Lab Sample ID: 2392459

Field Sample ID: DEPMW-36 (40-50) Dup

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	152	P	30 - 160
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	84.1	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2392459

Field Sample ID: DEPMW-36 (40-50) Dup

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	158	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	94.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	121	P	30 - 160

Lab Sample ID: 2392460

Field Sample ID: DEPMW-49 (7-17)

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	129	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid-13C	97.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	59.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	116	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118160

Included Lab Sample IDs: 2392312, 2392313, 2392314, 2392315, 2392316, 2392318, 2392319, 2392320

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	101	96.0	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	107	101	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	123	113	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	88.8	123	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	107	80.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	87.4	107	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	111	115	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	131	111	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	106	143	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	152	106	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	77.8	84.7	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	84.8	77.8	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	111	92.1	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	92.1	125	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	103	93.6	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	93.6	97.8	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	102	91.6	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	91.6	77.7	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	107	102	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	142	107	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	108	108	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	108	109	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	115	132	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	124	115	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	106	111	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	111	120	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	94.5	96.6	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	96.6	99.1	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	90.9	93.7	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	93.7	105	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	109	118	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	116	109	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	109	117	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	117	109	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	109	111	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	111	104	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	108	97.7	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	97.7	108	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	100	95.7	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	96.1	100	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	104	85.1	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	69.8	104	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	75.1	94.8	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	94.8	86.3	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	100	94.5	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	94.5	115	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	119	92.2	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	123	119	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	91.3	98.2	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	98.2	103	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	140	93.0	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118160

Included Lab Sample IDs: 2392312, 2392313, 2392314, 2392315, 2392316, 2392318, 2392319, 2392320

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorohexanoic acid (PFHxA)	96.8	140	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	84.3	84.4	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	91.6	84.3	P/P	60 - 160
Perfluorononanoic acid (PFNA)	119	74.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	74.1	97.6	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	87.2	85.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	93.3	87.2	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	115	127	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	137	115	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	101	111	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	111	96.1	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	102	108	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	111	102	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	101	103	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	103	93.1	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	74.5	62.3	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	80.6	74.5	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	74.9	79.2	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	79.2	67.2	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	75.8	127	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	83.9	75.8	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3

Run ID: A118226

Included Lab Sample IDs: 2392334, 2392358, 2392359, 2392360, 2392361, 2392362, 2392363, 2392364, 2392365, 2392366, 2392367, 2392368, 2392369, 2392370, 2392371, 2392372, 2392373, 2392374, 2392375, 2392376, 2392377, 2392378, 2392400, 2392401, 2392402, 2392403, 2392404, 2392405, 2392406, 2392407, 2392408, 2392409, 2392410, 2392411, 2392412, 2392413, 2392414, 2392415, 2392416, 2392417

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	101	104	P/P	60 - 160
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	104	95.0	P/P	60 - 160
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	107	101	P/P	60 - 160
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	109	107	P/P	60 - 160
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	95.0	99.0	P/P	60 - 160
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	98.1	99.1	P/P	60 - 160
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	99.0	98.1	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	101	144	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	103	107	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	107	98.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	118	89.2	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	136	103	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	89.2	101	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	98.9	118	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	84.2	84.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	84.6	93.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	85.5	90.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	85.7	84.2	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	93.6	94.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	94.3	85.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	99.9	85.7	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	104	117	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118226

Included Lab Sample IDs: 2392334, 2392358, 2392359, 2392360, 2392361, 2392362, 2392363, 2392364, 2392365, 2392366, 2392367, 2392368, 2392369, 2392370, 2392371, 2392372, 2392373, 2392374, 2392375, 2392376, 2392377, 2392378, 2392400, 2392401, 2392402, 2392403, 2392404, 2392405, 2392406, 2392407, 2392408, 2392409, 2392410, 2392411, 2392412, 2392413, 2392414, 2392415, 2392416, 2392417

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	110	104	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	110	115	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	111	115	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	111	116	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	115	110	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	115	111	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	116	117	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	117	110	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	134	155	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	136	150	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	142	147	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	147	136	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	150	134	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	153	134	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	155	153	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	136	141	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	137	139	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	141	137	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	143	151	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	150	143	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	151	136	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	160	150	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	101	109	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	103	97.7	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	105	98.3	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	109	103	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	82.3	92.5	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	97.7	82.3	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	98.3	101	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	84.7	87.3	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	85.4	84.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	87.2	97.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	87.3	88.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	88.2	84.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.7	87.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	97.2	85.4	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	101	102	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	102	102	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	102	108	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	102	92.1	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	108	121	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	110	102	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	92.1	110	P/P	60 - 160
Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	101	96.9	P/P	60 - 160
Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	126	98.3	P/P	60 - 160
Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	135	142	P/P	60 - 160
Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	142	101	P/P	60 - 160
Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	143	120	P/P	60 - 160
Nonafuoro-3,6-dioxaheptanoic acid (NFDHA)	96.9	143	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118226

Included Lab Sample IDs: 2392334, 2392358, 2392359, 2392360, 2392361, 2392362, 2392363, 2392364, 2392365, 2392366, 2392367, 2392368, 2392369, 2392370, 2392371, 2392372, 2392373, 2392374, 2392375, 2392376, 2392377, 2392378, 2392400, 2392401, 2392402, 2392403, 2392404, 2392405, 2392406, 2392407, 2392408, 2392409, 2392410, 2392411, 2392412, 2392413, 2392414, 2392415, 2392416, 2392417

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	98.3	135	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	105	111	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	111	122	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	114	130	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	115	105	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	118	114	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	122	116	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	130	115	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	114	125	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	124	114	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	125	126	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	126	135	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	128	135	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	134	128	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	135	124	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	135	121	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	102	114	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	107	100	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	109	113	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	110	109	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	114	107	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	118	102	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	100	110	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	102	106	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	106	103	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	109	116	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	110	117	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	110	109	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	116	102	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	117	110	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	121	123	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	123	132	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	129	131	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	131	137	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	132	135	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	135	135	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	137	121	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	101	104	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	102	94.4	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	104	102	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	94.4	93.4	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	97.2	97.7	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	97.7	101	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	99.9	97.2	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	104	108	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	105	98.0	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	106	108	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	107	128	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	108	106	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118226

Included Lab Sample IDs: 2392334, 2392358, 2392359, 2392360, 2392361, 2392362, 2392363, 2392364, 2392365, 2392366, 2392367, 2392368, 2392369, 2392370, 2392371, 2392372, 2392373, 2392374, 2392375, 2392376, 2392377, 2392378, 2392400, 2392401, 2392402, 2392403, 2392404, 2392405, 2392406, 2392407, 2392408, 2392409, 2392410, 2392411, 2392412, 2392413, 2392414, 2392415, 2392416, 2392417

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	108	107	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	98.0	104	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	100	106	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	104	100	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	105	105	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	105	115	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	106	107	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	107	113	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	113	105	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	103	118	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	104	116	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	110	91.7	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	114	110	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	116	117	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	117	103	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	91.7	104	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	95.8	97.0	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	97.0	114	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	108	119	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	110	122	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	110	116	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	113	110	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	116	108	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	119	110	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	129	113	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	120	62.9	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	147	80.9	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	153	147	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	80.9	96.6	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	88.2	153	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	88.7	88.2	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	96.6	120	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	110	94.5	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	136	64.0	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	152	79.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	64.0	110	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	79.7	136	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	93.8	152	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	94.5	65.2	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	105	108	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	107	109	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	108	115	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	109	113	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	113	105	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	115	119	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	116	107	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	104	116	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	107	110	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	109	110	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118226

Included Lab Sample IDs: 2392334, 2392358, 2392359, 2392360, 2392361, 2392362, 2392363, 2392364, 2392365, 2392366, 2392367, 2392368, 2392369, 2392370, 2392371, 2392372, 2392373, 2392374, 2392375, 2392376, 2392377, 2392378, 2392400, 2392401, 2392402, 2392403, 2392404, 2392405, 2392406, 2392407, 2392408, 2392409, 2392410, 2392411, 2392412, 2392413, 2392414, 2392415, 2392416, 2392417

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoroheptanoic acid (PFHpA)	110	109	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	110	149	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	113	104	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	116	107	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	124	113	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	149	111	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	101	103	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	103	106	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	105	106	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	105	116	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	105	105	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	106	105	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	106	105	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	116	105	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	103	93.7	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	107	102	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	108	87.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	111	108	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	87.4	103	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	89.4	96.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	93.7	89.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	94.5	111	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	96.4	107	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	101	116	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	106	112	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	111	104	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	112	101	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	113	106	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	116	111	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	132	113	P/P	60 - 160
Perfluorononanoic acid (PFNA)	103	142	P/P	60 - 160
Perfluorononanoic acid (PFNA)	110	132	P/P	60 - 160
Perfluorononanoic acid (PFNA)	123	103	P/P	60 - 160
Perfluorononanoic acid (PFNA)	129	123	P/P	60 - 160
Perfluorononanoic acid (PFNA)	132	96.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	142	129	P/P	60 - 160
Perfluorononanoic acid (PFNA)	96.1	129	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	101	105	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	105	96.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	105	108	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	106	98.5	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	107	105	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	108	100	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	109	106	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	96.9	101	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	98.5	107	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	102	73.4	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	106	102	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	115	82.9	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118226

Included Lab Sample IDs: 2392334, 2392358, 2392359, 2392360, 2392361, 2392362, 2392363, 2392364, 2392365, 2392366, 2392367, 2392368, 2392369, 2392370, 2392371, 2392372, 2392373, 2392374, 2392375, 2392376, 2392377, 2392378, 2392400, 2392401, 2392402, 2392403, 2392404, 2392405, 2392406, 2392407, 2392408, 2392409, 2392410, 2392411, 2392412, 2392413, 2392414, 2392415, 2392416, 2392417

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorooctanoic acid (PFOA)	136	65.7	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	73.4	75.6	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	75.6	115	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	82.9	136	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	92.3	106	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	104	108	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	105	104	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	106	105	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	106	108	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	108	106	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	108	112	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	112	124	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	105	103	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	110	96.0	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	110	91.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	112	121	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	116	110	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	121	99.6	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	91.5	116	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	96.0	105	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	99.6	110	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	100	108	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	104	100	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	105	111	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	106	122	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	108	106	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	111	131	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	122	105	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	102	151	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	104	147	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	123	123	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	129	94.8	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	147	129	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	151	123	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	94.8	102	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	102	110	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	106	78.6	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	116	106	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	141	102	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	142	116	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	78.6	99.8	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	99.8	141	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	103	129	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	122	66.1	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	129	92.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	129	103	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	141	99.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	92.9	122	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	99.9	129	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118254

Included Lab Sample IDs: 2392418, 2392419, 2392420, 2392421, 2392422, 2392458, 2392460

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	104	115	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	107	104	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	153	95.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	95.9	140	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	110	89.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	89.4	94.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	105	95.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	111	105	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	149	152	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	149	149	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	136	142	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	145	136	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	106	96.9	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	77.8	106	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	88.5	94.8	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	94.8	86.1	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	112	94.7	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	94.7	87.2	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	155	85.3	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	85.3	147	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	133	127	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	144	133	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	134	128	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	135	134	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	102	100	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	103	102	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	111	113	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	113	109	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	151	158	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	152	151	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	85.3	94.1	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	94.1	86.8	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	111	111	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	116	111	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	100	102	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	112	100	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	101	111	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	97.0	101	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	103	111	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	111	119	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	68.0	63.3	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	99.8	68.0	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	103	115	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	69.5	103	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	121	129	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	129	140	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	85.7	89.0	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	89.0	109	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	110	121	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	120	110	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	105	77.2	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118254

Included Lab Sample IDs: 2392418, 2392419, 2392420, 2392421, 2392422, 2392458, 2392460

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorohexanoic acid (PFHxA)	77.2	97.3	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	91.1	110	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	92.0	91.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	126	132	P/P	60 - 160
Perfluorononanoic acid (PFNA)	132	110	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	92.4	95.6	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	95.6	108	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	102	128	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	81.9	102	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	107	101	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	109	107	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	110	119	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	119	108	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	112	113	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	113	110	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	70.7	90.2	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	90.2	145	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	103	130	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	73.4	103	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	112	118	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	118	80.6	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3

Run ID: A118278

Included Lab Sample IDs: 2392321, 2392322, 2392323, 2392324, 2392325, 2392326, 2392327, 2392328, 2392329, 2392330, 2392331, 2392332, 2392333

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	103	101	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	105	98.2	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	98.2	103	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	104	139	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	110	119	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	119	104	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	80.8	94.1	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	91.7	98.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	98.5	80.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	105	117	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	114	124	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	124	105	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	77.5	87.7	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	87.7	89.0	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	89.0	126	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	128	140	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	140	145	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	148	128	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	114	84.4	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	84.4	85.6	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	85.6	87.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	86.8	91.5	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	91.5	96.2	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118278

Included Lab Sample IDs: 2392321, 2392322, 2392323, 2392324, 2392325, 2392326, 2392327, 2392328, 2392329, 2392330, 2392331, 2392332, 2392333

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	96.2	94.2	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	104	94.6	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	83.0	104	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	89.2	83.0	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	120	120	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	139	120	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	94.3	139	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	108	105	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	110	111	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	111	108	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	103	113	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	105	103	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	113	111	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	105	94.7	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	108	99.5	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	99.5	105	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	104	108	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	108	117	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	98.1	104	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	117	126	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	126	127	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	127	117	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	108	118	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	118	104	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	98.5	108	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	105	109	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	109	105	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	114	105	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	108	112	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	110	108	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	111	110	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	95.4	97.1	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	96.1	98.3	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	98.3	95.4	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	110	116	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	110	110	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	116	113	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	118	80.3	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	144	99.0	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	80.3	144	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	130	64.1	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	64.1	156	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	97.4	130	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	106	110	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	110	103	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	112	106	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	113	116	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	94.1	113	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	94.5	94.1	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	104	108	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118278

Included Lab Sample IDs: 2392321, 2392322, 2392323, 2392324, 2392325, 2392326, 2392327, 2392328, 2392329, 2392330, 2392331, 2392332, 2392333

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorohexanesulfonic acid (PFHxS)	108	104	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	108	105	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	119	104	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	89.9	96.1	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	96.1	119	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	114	117	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	117	111	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	125	114	P/P	60 - 160
Perfluorononanoic acid (PFNA)	103	92.8	P/P	60 - 160
Perfluorononanoic acid (PFNA)	89.8	103	P/P	60 - 160
Perfluorononanoic acid (PFNA)	92.8	155	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	90.4	100	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	99.2	99.8	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	99.8	90.4	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	102	84.2	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	69.9	77.6	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	84.2	69.9	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	109	110	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	110	109	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	115	110	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	106	106	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	123	106	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	97.8	123	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	102	109	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	103	99.8	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	99.8	102	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	109	83.9	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	89.6	90.4	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	90.4	109	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	102	117	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	115	123	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	117	115	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	111	93.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	142	111	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	93.3	145	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3

Run ID: A118371

Included Lab Sample IDs: 2392317, 2392459

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	125	110	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	96.1	114	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	82.7	69.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	103	102	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	89.6	88.2	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	111	107	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	145	83.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	94.7	112	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	93.3	118	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A118371

Included Lab Sample IDs: 2392317, 2392459

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	98.3	97.7	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	94.3	91.9	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	96.4	98.9	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	89.8	92.2	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	106	108	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	106	101	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	105	86.9	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	101	106	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	107	103	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	102	105	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	112	115	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	144	83.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	111	67.7	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	109	97.9	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	98.5	98.3	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	104	99.9	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	124	98.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	101	92.5	P/P	60 - 160
Perfluorononanoic acid (PFNA)	126	121	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	123	111	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	103	98.4	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	95.1	104	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	93.0	101	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	108	99.9	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	91.4	101	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	77.1	93.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	155	120	P/P	60 - 160

* Pass/Fail determinations are made for each bracketing calibration verification check.

Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.

Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision SMP	MS
DEP SOP: LC-001-3	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	92.2	54.5	66.0			19.0
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	81.4	63.7	57.6			10.1
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	101	65.2	49.4			27.7
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	97.9	59.2	57.4			3.11
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	77.2	53.6	55.4			3.25
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	53.7	52.4	46.7			11.4
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	123	126	130			3.65
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	136	131	118			10.3
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	124	108	84.5			24.5
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	118	115	140			19.8
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	93.8	113	140			20.9
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	62.6	82.5	91.3			10.1
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	98.5	104	105			0.291
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	103	121	111			8.45
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	111	105	103			2.36
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	132	118	106			10.7
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	100	125	107			15.4
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	89.3	86.8	87.6			0.911
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	101	115	108			6.33
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	89.5	102	100			2.01
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	102	91.5	95.2			3.88
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	102	94.8	96.1			1.30
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	94.0	79.8	100			22.9
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	119	88.6	96.9			8.89
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	137	159	129			20.4
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	90.3	109	86.5			23.1
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	150	117	131			11.3
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	149	147	150			2.19
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	132	156	130			18.1
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	111	70.7	60.9			14.9

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision SMP	MS
DEP SOP: LC-001-3	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	85.5	79.6	78.1			1.90
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	126	141	119			17.4
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	149	123	110			11.4
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	159	128	143			10.9
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	133	123	136			10.1
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	95.1	96.1	88.5			8.15
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	107	106	85.7			20.7
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	94.2	94.1	92.8			1.46
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	93.5	89.3	90.9			1.80
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	99.3	63.9	83.6			26.8
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	78.3	75.4	69.9			7.55
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	112	80.5	73.9			8.53
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	83.2	104	94.3			10.1
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	91.4	97.2	96.7			0.549
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	95.2	78.3	83.9			6.92
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	96.8	77.6	83.5			7.25
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	95.2	72.2	85.7			17.0
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	88.7	99.4	93.9			5.77
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	91.2	86.5	82.8			4.40
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	110	89.7	99.0			9.91
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	115	76.2	105			31.8
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	113	100	85.3			16.2
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	88.0	88.1	105			17.0
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	87.3	96.8	89.3			8.06

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision SMP	MS
DEP SOP: LC-001-3	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	117	134	142			5.83
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	117	148	128			14.5
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	115	110	103			6.39
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	128	117	136			15.3
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	104	136	147			7.45
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	74.4	75.5	90.4			17.9
	Perfluoro-1-butane sulfonamide (FBSA)	137	115	107			7.49
	Perfluoro-1-butane sulfonamide (FBSA)	156	158	150			5.18
	Perfluoro-1-butane sulfonamide (FBSA)	139	147	156			5.91
	Perfluoro-1-butane sulfonamide (FBSA)	147	140	150			6.58
	Perfluoro-1-butane sulfonamide (FBSA)	154	131	139			5.74
	Perfluoro-1-butane sulfonamide (FBSA)	140	131	110			16.7
	Perfluoro-1-hexane sulfonamide (FHxSA)	158	130	128			1.08
	Perfluoro-1-hexane sulfonamide (FHxSA)	160	168	153			8.76
	Perfluoro-1-hexane sulfonamide (FHxSA)	155	132	125			5.18
	Perfluoro-1-hexane sulfonamide (FHxSA)	143	158	155			1.84
	Perfluoro-1-hexane sulfonamide (FHxSA)	127	132	152			13.9
	Perfluoro-1-hexane sulfonamide (FHxSA)	139	137	114			17.7
	Perfluoro-1-octane sulfonamide (FOSA)	118	113	110			3.03
	Perfluoro-1-octane sulfonamide (FOSA)	112	122	106			13.9
	Perfluoro-1-octane sulfonamide (FOSA)	116	97.9	99.7			1.84
	Perfluoro-1-octane sulfonamide (FOSA)	111	114	108			5.09
	Perfluoro-1-octane sulfonamide (FOSA)	111	122	111			9.42
	Perfluoro-1-octane sulfonamide (FOSA)	96.9	89.6	88.0			1.86
	Perfluoro-3-methoxypropanoic acid (PFMPA)	97.1	92.5	110			17.6
	Perfluoro-3-methoxypropanoic acid (PFMPA)	113	125	122			2.51
	Perfluoro-3-methoxypropanoic acid (PFMPA)	113	110	110			0.225
	Perfluoro-3-methoxypropanoic acid (PFMPA)	116	126	130			3.00
	Perfluoro-3-methoxypropanoic acid (PFMPA)	107	105	115			9.26
	Perfluoro-3-methoxypropanoic acid (PFMPA)	95.4	124	131			5.42

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery	LCS	Precision SMP	MS
DEP SOP: LC-001-3	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	108	102 106			4.29
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	126	126 117			7.95
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	142	113 118			4.33
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	135	126 123			2.19
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	139	139 136			1.92
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	97.7	96.8 98.6			1.88
	Perfluoro-4-methoxybutanoic acid (PFMBA)	114	104 120			13.9
	Perfluoro-4-methoxybutanoic acid (PFMBA)	111	134 122			9.65
	Perfluoro-4-methoxybutanoic acid (PFMBA)	111	123 117			5.42
	Perfluoro-4-methoxybutanoic acid (PFMBA)	108	129 124			3.60
	Perfluoro-4-methoxybutanoic acid (PFMBA)	99.5	101 112			10.3
	Perfluoro-4-methoxybutanoic acid (PFMBA)	98.1	127 143			11.3
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113	105 116			10.0
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	115	125 118			6.21
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	125	93.0 96.5			3.76
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	121	104 110			5.36
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	107	111 115			3.17
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	90.0	95.3 90.0			5.76
	Perfluorobutanesulfonic acid (PFBS)	113	112 104			7.46
	Perfluorobutanesulfonic acid (PFBS)	119	125 120			2.61
	Perfluorobutanesulfonic acid (PFBS)	124	102 99.4			2.02
	Perfluorobutanesulfonic acid (PFBS)	121	108 108			0.0548
	Perfluorobutanesulfonic acid (PFBS)	103	108 121			9.83
	Perfluorobutanesulfonic acid (PFBS)	95.5	98.4 498			115
	Perfluorobutanoic acid (PFBA)	83.4	104 95.2			9.26
	Perfluorobutanoic acid (PFBA)	119				4.87
	Perfluorobutanoic acid (PFBA)	115	104 96.0			4.89
	Perfluorobutanoic acid (PFBA)	135				6.68
	Perfluorobutanoic acid (PFBA)	102	106 113			4.65
	Perfluorobutanoic acid (PFBA)	104				40.8
	Perfluorodecanesulfonic acid (PFDS)	90.4	64.2 70.1			8.85
	Perfluorodecanesulfonic acid (PFDS)	96.0	80.5 73.7			8.77
	Perfluorodecanesulfonic acid (PFDS)	129	76.6 62.4			20.4

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
DEP SOP: LC-001-3	Perfluorodecanesulfonic acid (PFDS)	110	77.0	74.6			3.14
	Perfluorodecanesulfonic acid (PFDS)	91.7	58.3	65.8			12.2
	Perfluorodecanesulfonic acid (PFDS)	65.4	70.0	65.3			6.94
	Perfluorodecanoic acid (PFDA)	106	98.9	79.0			22.4
	Perfluorodecanoic acid (PFDA)	79.9	113	95.5			16.7
	Perfluorodecanoic acid (PFDA)	74.3	99.3	125			23.0
	Perfluorodecanoic acid (PFDA)	95.6	127	96.0			27.8
	Perfluorodecanoic acid (PFDA)	119	76.2	88.1			14.5
	Perfluorodecanoic acid (PFDA)	137	84.7	72.8			15.1
	Perfluorododecanoic acid (PFDoA)	104	118	115			2.76
	Perfluorododecanoic acid (PFDoA)	66.4	102	97.4			4.62
	Perfluorododecanoic acid (PFDoA)	74.4	85.3	156			58.7
	Perfluorododecanoic acid (PFDoA)	61.0	87.1	71.7			19.4
	Perfluorododecanoic acid (PFDoA)	107	72.6	96.9			28.7
	Perfluorododecanoic acid (PFDoA)	144	152	136			11.2
	Perfluoroheptanesulfonic acid (PFHpS)	127	116	108			7.09
	Perfluoroheptanesulfonic acid (PFHpS)	110	108	115			4.89
	Perfluoroheptanesulfonic acid (PFHpS)	125	93.0	105			11.9
	Perfluoroheptanesulfonic acid (PFHpS)	118	104	108			3.42
	Perfluoroheptanesulfonic acid (PFHpS)	129	113	131			14.1
	Perfluoroheptanesulfonic acid (PFHpS)	97.2	110	108			1.44
	Perfluoroheptanoic acid (PFHpA)	118	125	147			15.9
	Perfluoroheptanoic acid (PFHpA)	110					6.41
	Perfluoroheptanoic acid (PFHpA)	121	43.4	52.5			7.13
	Perfluoroheptanoic acid (PFHpA)	122					7.72
	Perfluoroheptanoic acid (PFHpA)	87.4	80.3	71.7			7.49
	Perfluoroheptanoic acid (PFHpA)	76.8	92.8	52.9			25.5
	Perfluorohexanesulfonic acid (PFHxS)	109	105	98.8			6.14
	Perfluorohexanesulfonic acid (PFHxS)	117	94.9	113			6.65
	Perfluorohexanesulfonic acid (PFHxS)	116	91.5	109			11.9
	Perfluorohexanesulfonic acid (PFHxS)	121					9.53
	Perfluorohexanesulfonic acid (PFHxS)	109	108	123			12.1
	Perfluorohexanesulfonic acid (PFHxS)	93.6	102	64.3			21.6
	Perfluorohexanoic acid (PFHxA)	128	95.1	103			7.48
	Perfluorohexanoic acid (PFHxA)	117					2.25
	Perfluorohexanoic acid (PFHxA)	90.0	58.6	69.2			6.89
	Perfluorohexanoic acid (PFHxA)	98.1					15.0
	Perfluorohexanoic acid (PFHxA)	101	135	137			0.975
	Perfluorohexanoic acid (PFHxA)	85.8					92.8
	Perfluorononanesulfonic acid (PFNS)	88.0	80.5	92.9			14.3
	Perfluorononanesulfonic acid (PFNS)	114	100	104			3.51

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
DEP SOP: LC-001-3	Perfluorononanesulfonic acid (PFNS)	115	96.4	80.3			18.3
	Perfluorononanesulfonic acid (PFNS)	130	103	92.9			10.0
	Perfluorononanesulfonic acid (PFNS)	87.9	78.2	90.4			14.4
	Perfluorononanesulfonic acid (PFNS)	77.1	82.3	75.3			8.85
	Perfluorononanoic acid (PFNA)	112	123	109			11.8
	Perfluorononanoic acid (PFNA)	99.8	148	146			1.72
	Perfluorononanoic acid (PFNA)	111	108	99.4			3.69
	Perfluorononanoic acid (PFNA)	126	137	131			3.30
	Perfluorononanoic acid (PFNA)	131	112	120			6.20
	Perfluorononanoic acid (PFNA)	133	78.6	81.5			3.67
	Perfluorooctanesulfonic acid (PFOS)	95.5	93.3	88.8			4.94
	Perfluorooctanesulfonic acid (PFOS)	91.7					10.6
	Perfluorooctanesulfonic acid (PFOS)	110	82.5	46.2			17.7
	Perfluorooctanesulfonic acid (PFOS)	100					7.64
	Perfluorooctanesulfonic acid (PFOS)	81.8	95.6	92.5			2.32
	Perfluorooctanesulfonic acid (PFOS)	99.9	124	158			11.3
	Perfluorooctanoic acid (PFOA)	125	142	148			4.22
	Perfluorooctanoic acid (PFOA)	127					2.03
	Perfluorooctanoic acid (PFOA)	90.8	64.0	71.4			5.03
	Perfluorooctanoic acid (PFOA)	104					0.161
	Perfluorooctanoic acid (PFOA)	73.4	86.1	86.1			0.0
	Perfluorooctanoic acid (PFOA)	83.9	49.6	55.4			4.30
	Perfluoropentanesulfonic acid (PFPeS)	103	107	98.0			9.06
	Perfluoropentanesulfonic acid (PFPeS)	122	126	126			0.575
	Perfluoropentanesulfonic acid (PFPeS)	120	95.9	100			4.11
	Perfluoropentanesulfonic acid (PFPeS)	117	112	114			1.08
	Perfluoropentanesulfonic acid (PFPeS)	99.1	107	115			6.81
	Perfluoropentanesulfonic acid (PFPeS)	94.6	88.3	97.9			10.0
	Perfluoropentanoic acid (PFPeA)	118	123	124			0.728
	Perfluoropentanoic acid (PFPeA)	88.1					28.1
	Perfluoropentanoic acid (PFPeA)	125	96.2	120			9.58
	Perfluoropentanoic acid (PFPeA)	104					4.99
	Perfluoropentanoic acid (PFPeA)	121	90.2	115			11.0
	Perfluoropentanoic acid (PFPeA)	81.6					104
	Perfluoropropanesulfonic acid (PFPrS)	108	107	105			1.90
	Perfluoropropanesulfonic acid (PFPrS)	108	137	125			9.66
	Perfluoropropanesulfonic acid (PFPrS)	127	98.8	95.2			3.69
	Perfluoropropanesulfonic acid (PFPrS)	119	122	127			3.98

Quality Assurance Report

Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision	
			LCS	SMP	MS	
DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)	111	131	137		4.27
	Perfluoropropanesulfonic acid (PFPrS)	81.6	92.0	93.8		1.92
	Perfluorotetradecanoic acid (PFTeA)	123	55.9	52.4		6.42
	Perfluorotetradecanoic acid (PFTeA)	82.8	96.4	89.5		7.41
	Perfluorotetradecanoic acid (PFTeA)	115	75.3	76.1		1.08
	Perfluorotetradecanoic acid (PFTeA)	103	88.7	84.6		4.77
	Perfluorotetradecanoic acid (PFTeA)	109	101	103		2.28
	Perfluorotetradecanoic acid (PFTeA)	98.3	77.1	78.4		1.67
	Perfluorotridecanoic acid (PFTriA)	103	69.5	70.8		1.86
	Perfluorotridecanoic acid (PFTriA)	108	89.8	104		14.8
	Perfluorotridecanoic acid (PFTriA)	120	98.2	101		2.92
	Perfluorotridecanoic acid (PFTriA)	115	107	107		0.0749
	Perfluorotridecanoic acid (PFTriA)	126	103	113		9.33
	Perfluorotridecanoic acid (PFTriA)	64.8	89.6	68.2		27.2
	Perfluoroundecanoic acid (PFUnA)	106	87.8	85.7		2.43
	Perfluoroundecanoic acid (PFUnA)	89.2	89.9	112		22.0
	Perfluoroundecanoic acid (PFUnA)	92.0	79.0	80.8		2.26
	Perfluoroundecanoic acid (PFUnA)	119	148	87.1		51.9
	Perfluoroundecanoic acid (PFUnA)	134	104	109		4.64
	Perfluoroundecanoic acid (PFUnA)	94.4	128	131		1.67

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: LC-001-3	Perfluorinated alkyl substances in water matrices by HPLC/MS/MS	2392312, 2392313, 2392314, 2392315, 2392316, 2392317, 2392318, 2392319, 2392320, 2392321, 2392322, 2392323, 2392324, 2392325, 2392326, 2392327, 2392328, 2392329, 2392330, 2392331, 2392332, 2392333, 2392334, 2392358, 2392359, 2392360, 2392361, 2392362, 2392363, 2392364, 2392365, 2392366, 2392367, 2392368, 2392369, 2392370, 2392371, 2392372, 2392373, 2392374, 2392375, 2392376, 2392377, 2392378, 2392400, 2392401, 2392402, 2392403, 2392404, 2392405, 2392406, 2392407, 2392408, 2392409, 2392410, 2392411, 2392412, 2392413, 2392414, 2392415, 2392416, 2392417, 2392418, 2392419, 2392420, 2392421, 2392422, 2392458, 2392459, 2392460

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: LC-001-3	03/07/2023	03/20/2023 09:00	Hoor Shaik	03/23/2023 00:22	Mohammad Ghaffari	2392312
	03/07/2023	03/20/2023 09:00	Hoor Shaik	03/23/2023 00:46	Mohammad Ghaffari	2392313
	03/07/2023	03/20/2023 09:00	Hoor Shaik	03/23/2023 00:57	Mohammad Ghaffari	2392314
	03/07/2023	03/20/2023 09:00	Hoor Shaik	03/23/2023 01:09	Mohammad Ghaffari	2392315
	03/07/2023	03/20/2023 09:00	Hoor Shaik	03/23/2023 01:21	Mohammad Ghaffari	2392316
	03/07/2023	03/20/2023 09:00	Hoor Shaik	03/23/2023 01:45	Mohammad Ghaffari	2392318
	03/07/2023	03/20/2023 09:00	Hoor Shaik	03/23/2023 01:57	Mohammad Ghaffari	2392319
	03/07/2023	03/20/2023 09:00	Hoor Shaik	03/23/2023 02:09	Mohammad Ghaffari	2392320
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/27/2023 16:00	Tae K Lee	2392325
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/27/2023 17:23	Tae K Lee	2392321
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/27/2023 17:35	Tae K Lee	2392322
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/27/2023 17:47	Tae K Lee	2392323
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/27/2023 17:58	Tae K Lee	2392324
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/27/2023 18:22	Tae K Lee	2392326
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/27/2023 18:34	Tae K Lee	2392327
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/27/2023 18:46	Tae K Lee	2392328
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/27/2023 18:58	Tae K Lee	2392329
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/27/2023 19:09	Tae K Lee	2392330
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/27/2023 19:21	Tae K Lee	2392331
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/27/2023 19:33	Tae K Lee	2392332
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/27/2023 19:45	Tae K Lee	2392333
	03/07/2023	03/24/2023 13:00	Hoor Shaik	03/29/2023 09:29	Tae K Lee	2392325
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/27/2023 21:20	Mohammad Ghaffari	2392334
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/27/2023 22:19	Mohammad Ghaffari	2392375
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/27/2023 22:30	Mohammad Ghaffari	2392373
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/27/2023 22:42	Mohammad Ghaffari	2392374
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	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/27/2023 23:18	Mohammad Ghaffari	2392359
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/27/2023 23:30	Mohammad Ghaffari	2392360
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/27/2023 23:41	Mohammad Ghaffari	2392361
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/27/2023 23:53	Mohammad Ghaffari	2392362
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 00:05	Mohammad Ghaffari	2392363
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 00:17	Mohammad Ghaffari	2392364
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 00:29	Mohammad Ghaffari	2392365
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 00:52	Mohammad Ghaffari	2392366
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 01:04	Mohammad Ghaffari	2392367
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 01:16	Mohammad Ghaffari	2392368
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 01:28	Mohammad Ghaffari	2392369
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 01:40	Mohammad Ghaffari	2392370
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 01:51	Mohammad Ghaffari	2392371

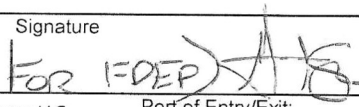
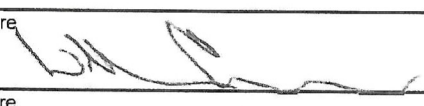
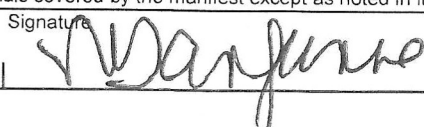
Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: LC-001-3	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 02:03	Mohammad Ghaffari	2392372
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 02:15	Mohammad Ghaffari	2392376
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 09:33	Mohammad Ghaffari	2392375
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 09:57	Mohammad Ghaffari	2392368
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 10:44	Mohammad Ghaffari	2392366
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 10:56	Mohammad Ghaffari	2392376
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 12:47	Mohammad Ghaffari	2392361
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 13:11	Mohammad Ghaffari	2392361
	03/07/2023	03/25/2023 09:00	Hoor Shaik	03/28/2023 13:22	Mohammad Ghaffari	2392372
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 03:38	Mohammad Ghaffari	2392407
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 03:50	Mohammad Ghaffari	2392408
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 04:02	Mohammad Ghaffari	2392409
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 04:13	Mohammad Ghaffari	2392413
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 04:49	Mohammad Ghaffari	2392377
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 05:01	Mohammad Ghaffari	2392378
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 05:13	Mohammad Ghaffari	2392400
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	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 05:48	Mohammad Ghaffari	2392403
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 06:00	Mohammad Ghaffari	2392404
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 06:12	Mohammad Ghaffari	2392405
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 06:36	Mohammad Ghaffari	2392406
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	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 06:59	Mohammad Ghaffari	2392411
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 07:11	Mohammad Ghaffari	2392412
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 07:23	Mohammad Ghaffari	2392415
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 07:35	Mohammad Ghaffari	2392416
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 07:47	Mohammad Ghaffari	2392417
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 08:34	Mohammad Ghaffari	2392414
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 11:08	Mohammad Ghaffari	2392377
	03/07/2023	03/25/2023 11:00	Hoor Shaik	03/28/2023 13:34	Mohammad Ghaffari	2392407
	03/07/2023	03/27/2023 11:21	Touraj Touran	03/28/2023 15:50	Mohammad Ghaffari	2392420
	03/07/2023	03/27/2023 11:21	Touraj Touran	03/28/2023 16:02	Mohammad Ghaffari	2392421
	03/07/2023	03/27/2023 11:21	Touraj Touran	03/28/2023 16:14	Mohammad Ghaffari	2392422
	03/07/2023	03/27/2023 11:21	Touraj Touran	03/28/2023 17:48	Mohammad Ghaffari	2392418
	03/07/2023	03/27/2023 11:21	Touraj Touran	03/28/2023 18:00	Mohammad Ghaffari	2392419
	03/07/2023	03/27/2023 11:21	Touraj Touran	03/28/2023 18:12	Mohammad Ghaffari	2392458
	03/07/2023	03/27/2023 11:21	Touraj Touran	03/28/2023 18:36	Mohammad Ghaffari	2392460
	03/07/2023	03/30/2023 10:00	Hoor Shaik	04/01/2023 10:24	Mohammad Ghaffari	2392317
	03/07/2023	03/30/2023 10:00	Hoor Shaik	04/01/2023 10:36	Mohammad Ghaffari	2392459

APPENDIX E

Final IDW Manifest



NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number 2124
5. Generator's Name and Mailing Address Florida Department of Environmental Protection 2600 Blair Stone Road Tallahassee, FL 32399		Generator's Site Address (if different than mailing address) IRSC 4600 Kirby Loop Road Fort Pierce, FL 34981			
Generator's Phone: (850) 248-8700					
6. Transport 1 Company Name Erwin Remediation, Inc.					U.S. EPA ID Number FLR000223867
8. Designated Facility Name and Site Address EnviroServe 755 Prairie Industrial Parkway Mulberry, FL 33860 (800) 488-0910					U.S. EPA ID Number
GENERATOR	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity
			No.	Type	12. Unit Wt/Vol.
	1. Non-Hazardous Soil	2	DM		
	2. Non-Hazardous Water	12	DM		
	3.				
4.					
13. Special Handling Instructions and Additional Information 51380-DR15; 51380-DW04					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in al respects in propret condition for transport according to applicable international and govenemental regulations.					
Generator's/Offeor's Printed/Typed Name		Signature		Month Day Year	
GRANT SUMMUS (AS AGENT FOR IDEP)				5 2 23	
INT'L	15. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of Entry/Exit:		
	Transporter Signature (for exports only):		Date Leaving U.S.:		
TRANSPORTER	16. Transport Acknowledgement of Receipt of Materials				
	Transporter 1 Printed/Typed Name		Signature		Month Day Year
	William Collum				05 02 2023
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name		Signature		Month Day Year
	17. Discrepancy				
17a. Discrepancy Indication Space		☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection			
		Manifest Reference Number:			
17b. Alternate Facility (or Generator)					
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)					Month Day Year
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a					
Printed/Typed Name		Signature		Month Day Year	
NGANGGANG				5 3 23	