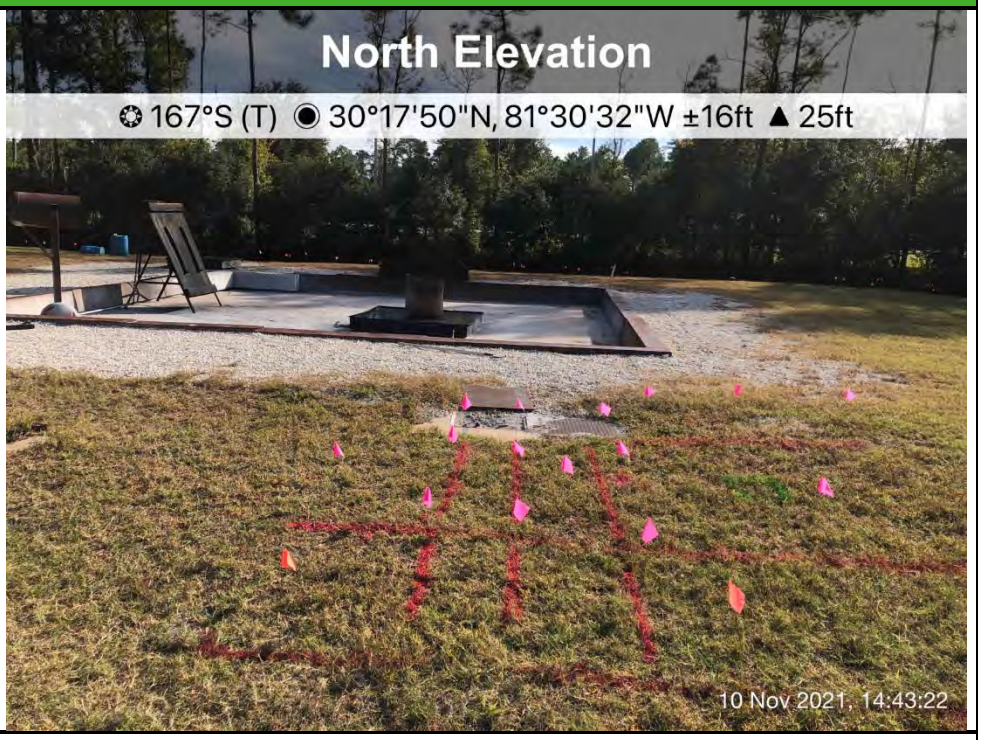
APPENDIX B

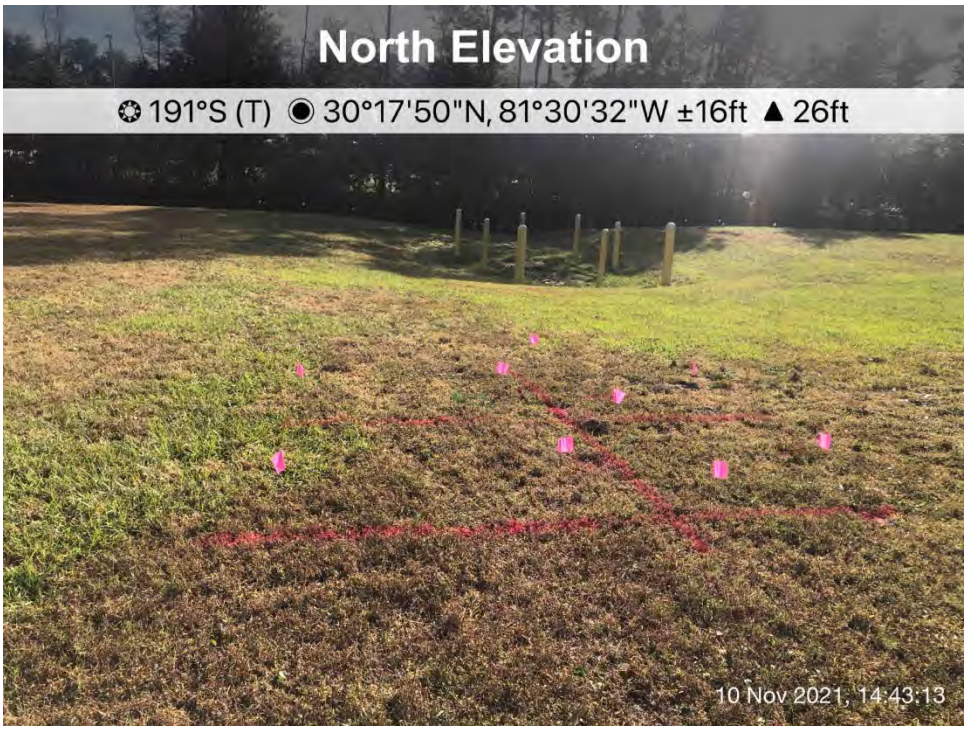
Photographic Log

Fire Academy of the South - FSCJ



Photograph 1

View looking south in the southern burn training area of AOC-2 at subsurface utilities located and flagged by GeoTek Services.



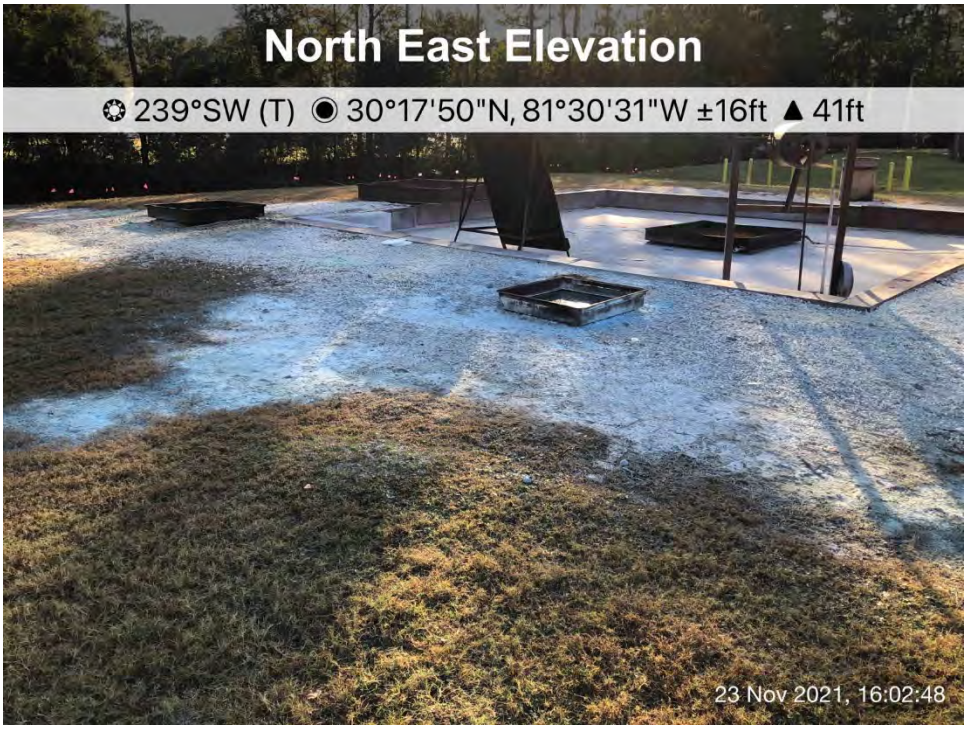
Photograph 2

View looking south at utilities located near the oil/water separator in the southern portion of AOC-2.

Fire Academy of the South - FSCJ

Photograph 3

View looking south at typical soil sampling activities near the burn training area in the southern portion of AOC-2.



Photograph 4

View of residue/precipitates observed on the surface in the AOC-2 southern burn training area. According to site personnel, sodium bicarbonate (baking soda) is used in fire extinguisher training.

Fire Academy of the South - FSCJ

Photograph 5

View of typical sediment sampling at the SED-3 location in the creek that flows along the southern site boundary.

Photograph 6

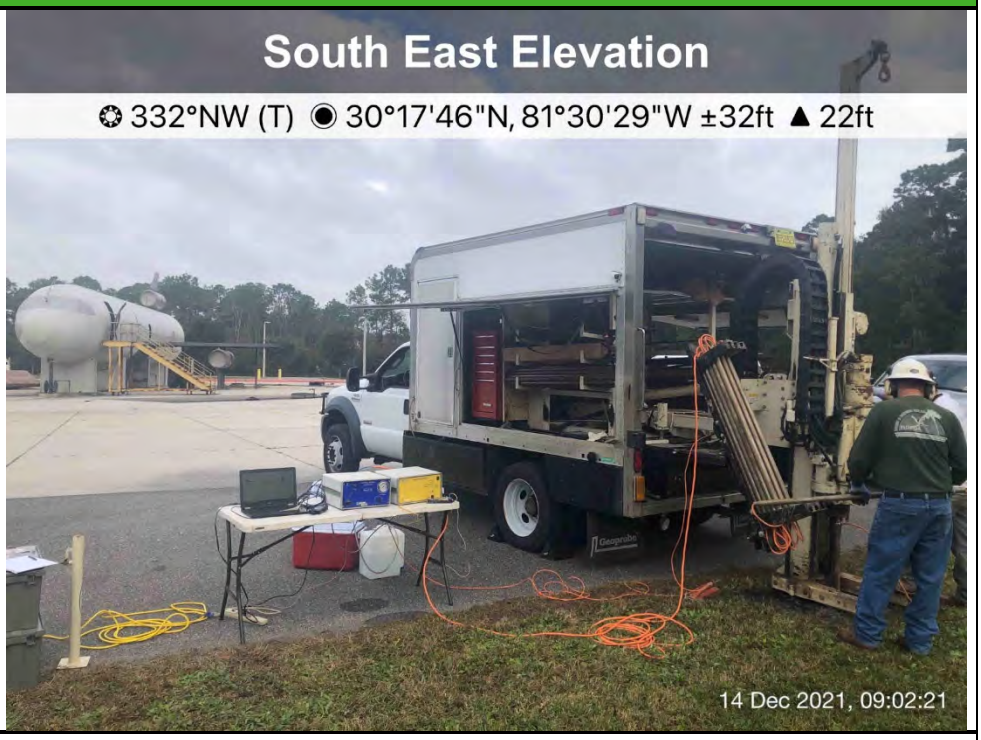
Looking southeast at the stormwater culvert outfall into the creek located along the southern site boundary. Sediment sample SED-4 and surface water sample SW-4 were collected at this location.

Fire Academy of the South - FSCJ	
Photograph 7 View looking east-northeast at the sample locations of surface water sample SW-11 and sediment sample SED-11.	
Photograph 8 View looking east at a stormwater outfall leading to a rim ditch typical of the site.	

Fire Academy of the South - FSCJ

Photograph 1

Looking north at FDEP's truck-mounted GeoProbe 7610DT direct-push drill rig. The rig is set up with the Hydraulic Profiling Tool (HPT) at location VP-3 in AOC-3.



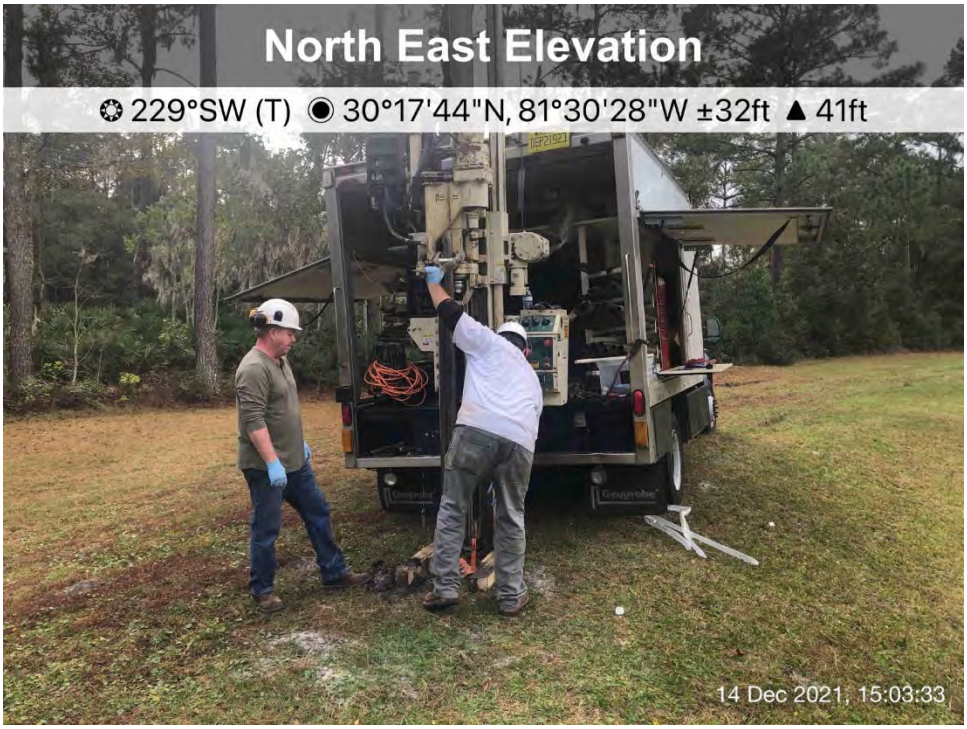
Photograph 2

View looking southwest at HPT activities at VP-4 in AOC-4.

Fire Academy of the South - FSCJ

Photograph 3

Looking north at shallow monitoring well installation activities at location DEPMW-1S in the northern portion of AOC-1.



Photograph 4

View looking southwest at shallow monitoring well installation activities at location DEPMW-7S in the northern portion of AOC-3.

Fire Academy of the South - FSCJ

Photograph 5

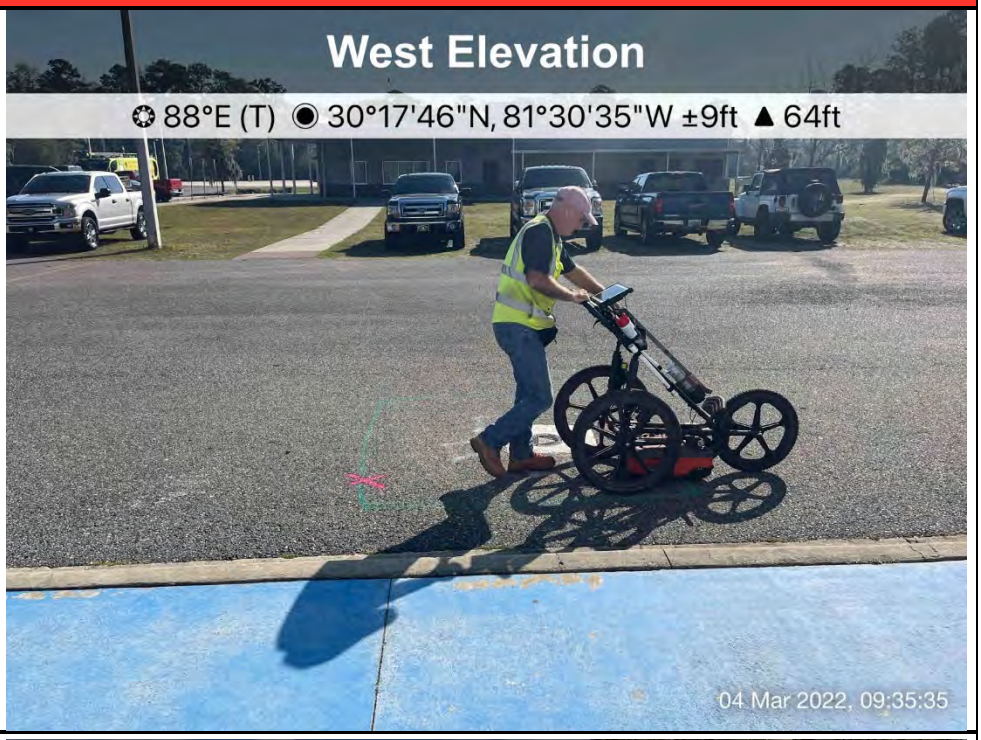
View looking northwest at shallow monitoring well DEPMW-3S completed with a 2-foot by 2-foot concrete pad and 8-inch bolt-down manhole.

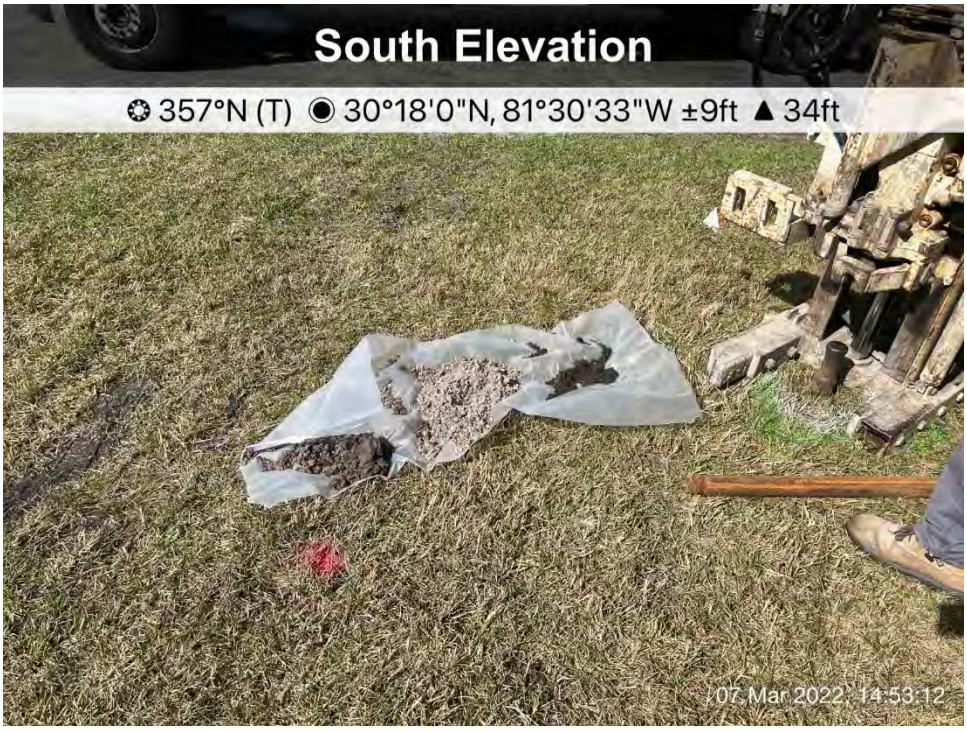
Photograph 6

Typical view well development using a peristaltic pump and disposable 3/8-inch disposable HDPE tubing.

Fire Academy of the South - FSCJ	
Photograph 7 View looking east at the decontamination pit used for decontamination of GeoProbe drill tooling.	
Photograph 8 View of one of two 55-gallon drums of IDW generated during DPT activities.	

Fire Academy of the South - FSCJ

Photograph 1 View looking west at underground utility location activities using ground penetrating radar at in AOC-4.	
Photograph 2 View of JAEE's (driller's) GeoProbe 6610DT direct-push drill rig.	

Fire Academy of the South - FSCJ	
Photograph 3 View looking southeast at the decontamination pit and decontamination procedures at the staging area in AOC-2.	
Photograph 4 View of soil collected from the hand auger with the DPT rig in the background at DEPSB-114 (near DPT-MW-9S).	

Fire Academy of the South - FSCJ

Photograph 5

View looking east at vertical groundwater profile sampling activities at VP-1. A peristaltic pump and disposable HDPE tubing were used for groundwater sampling.

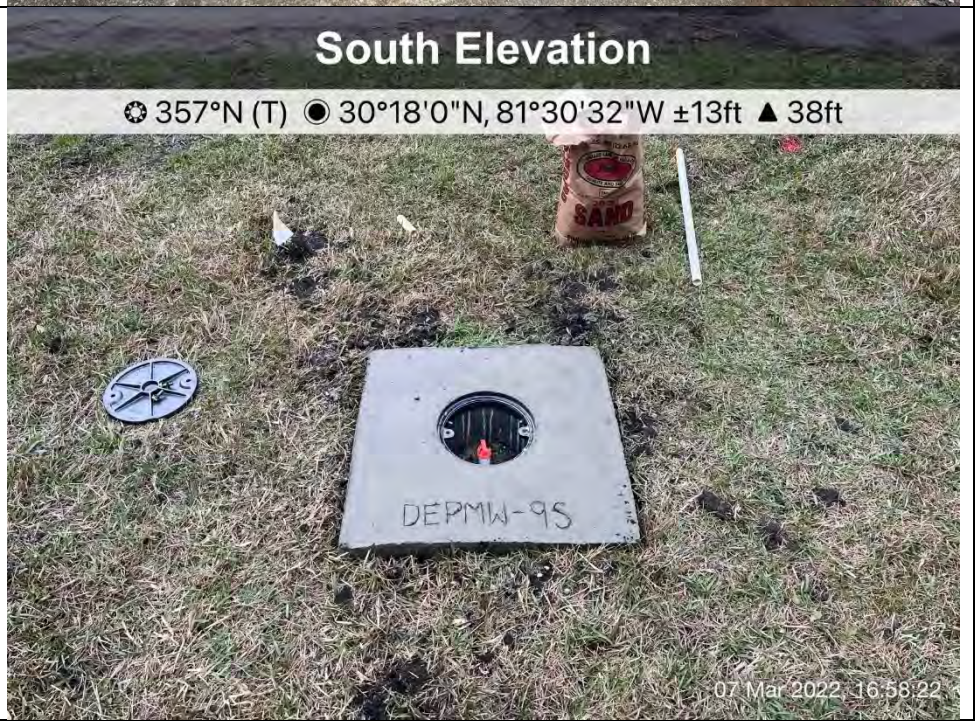
Photograph 6

View of typical installation of 0.75-inch diameter shallow groundwater monitoring wells using prepacked screens.

Fire Academy of the South - FSCJ

Photograph 7

Typical view well development using a peristaltic pump and disposable 3/8-inch disposable HDPE tubing.



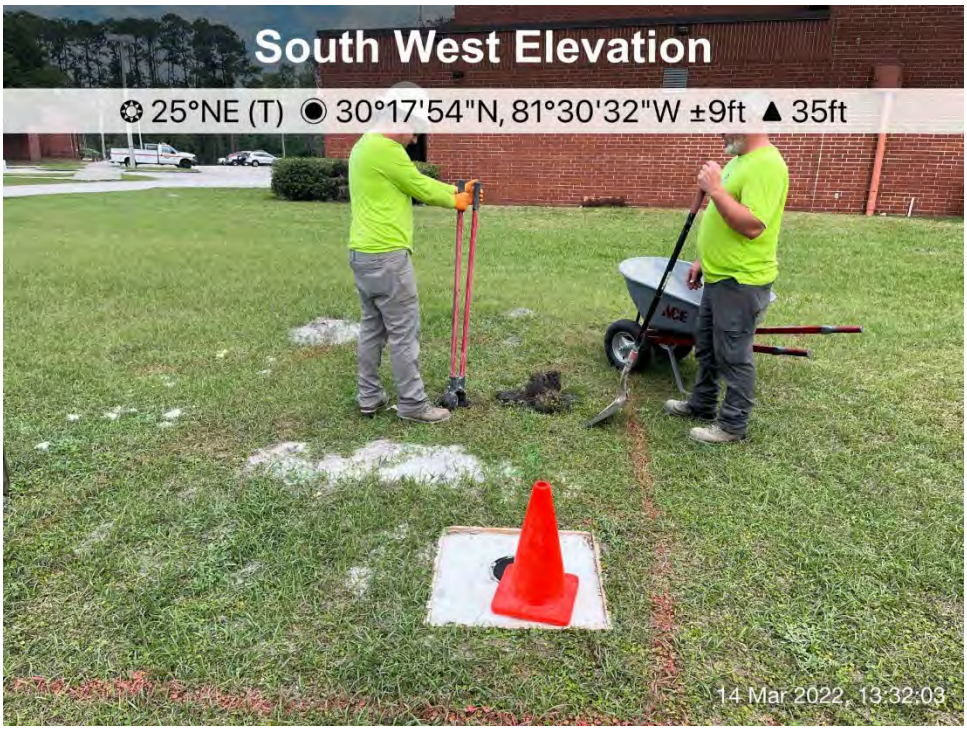
Photograph 8

View looking south at DEPMW-9S completed with a 2-foot by 2-foot concrete pad and 8-inch bolt-down manhole.

Fire Academy of the South - FSCJ

Photograph 1

Looking northwest at the hydrant which was used to supply PFAS-free water. Water was pumped to cleaned totes and staged at deep monitoring well locations.



Photograph 2

View of typical utility clearance using hand tools at each deep monitoring well location.

Fire Academy of the South - FSCJ

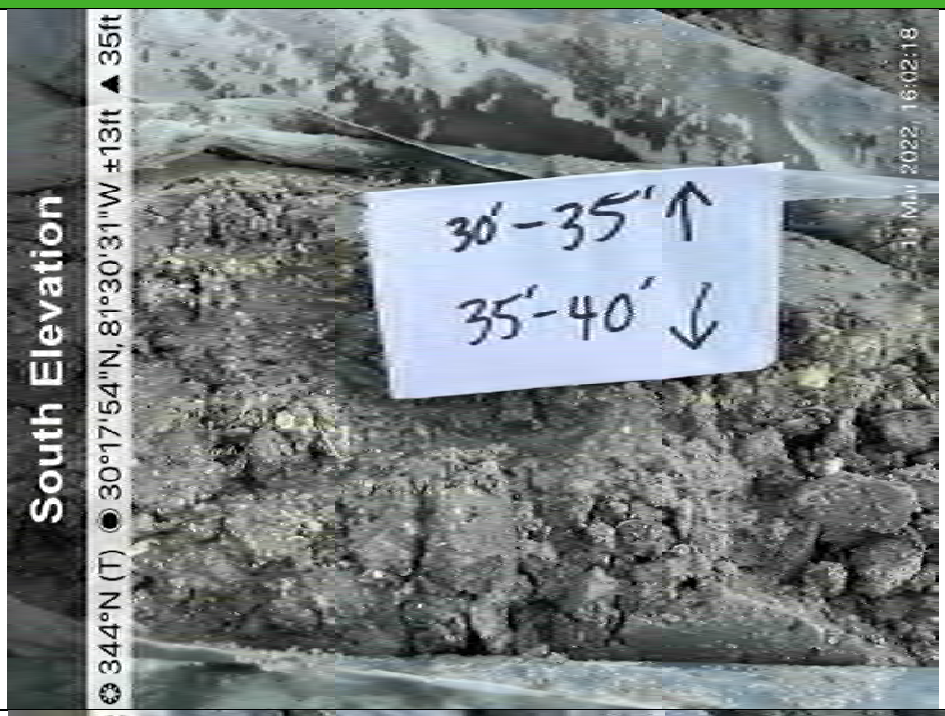
Photograph 3

Looking southeast at typical sonic drill rig setup on deep monitoring well DEPMW-4D. The TerraSonic Compact Crawler sonic drill rig, tooling rack, mud tub, and support skid-steer loader are visible in the photo.

Photograph 4

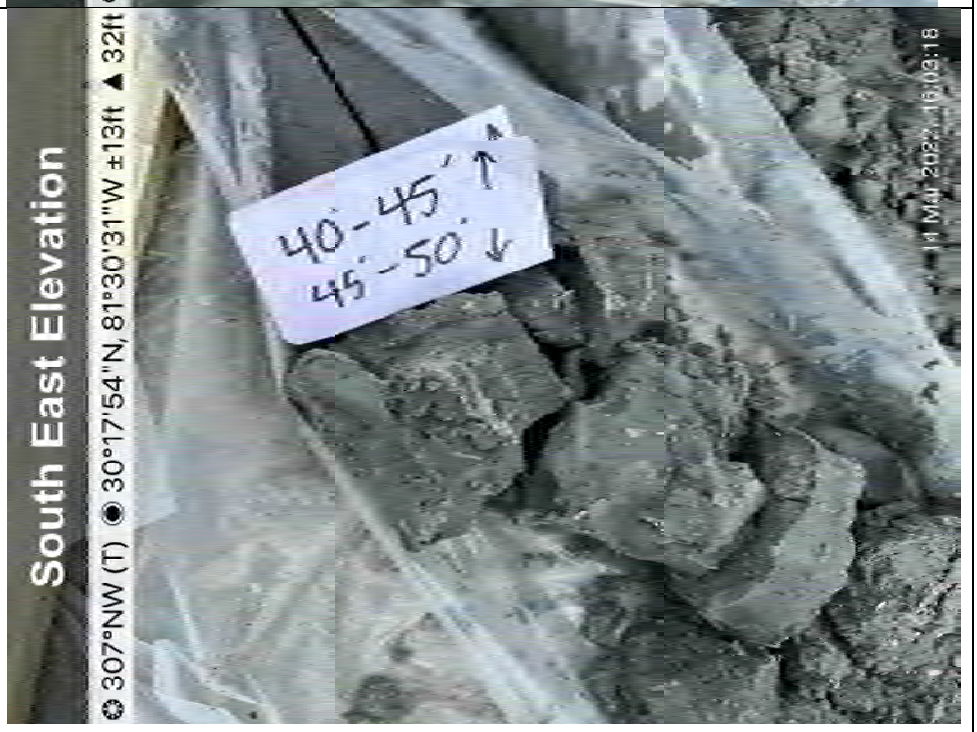
View of soil cores from Exploratory Boring – 1 in the northern portion of AOC-2. Light brown sandy soil is visible 20 to 30 ft below ground surface (bgs) interval beneath the dark brown hardpan present from approximately 11 to 16 feet bgs.

Fire Academy of the South - FSCJ



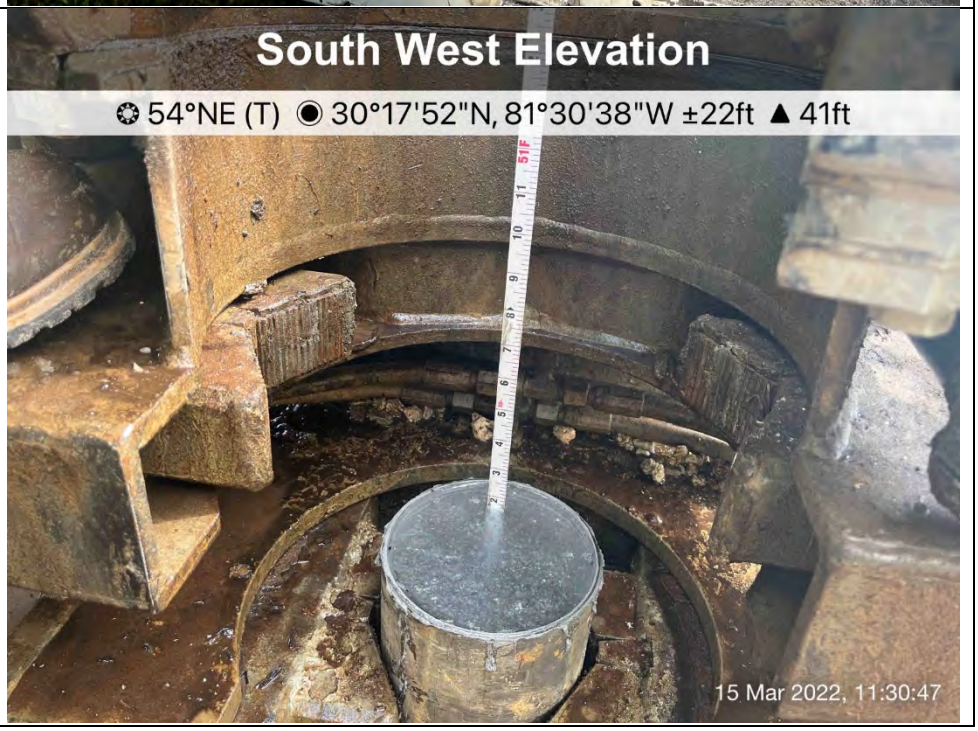
Photograph 5

View of silty sand and shell unit present from approximately 34 to 48 feet bgs in which deep monitoring well screen intervals were set.



Photograph 6

View of clay unit present from 48 to 52.5 feet bgs. Deep monitoring wells were set approximately one foot into this clay confining unit.

Fire Academy of the South - FSCJ	
Photograph 7 View of sand, bentonite, and grout used in deep well construction.	
Photograph 8 Typical view of sand filter pack measurement during deep monitoring well construction.	

Fire Academy of the South - FSCJ	
Photograph 9 View of two-inch well screen, bottom cap, and riser used in deep monitoring well construction.	
Photograph 10 Typical view of Portland Type-II cement grout mixing and pumping during deep monitoring well construction.	

Fire Academy of the South - FSCJ	
Photograph 11 Looking east at well development of DEPMW-1D, typical of well development on site.	
Photograph 12 View of deep monitoring well surface completion with a two-foot by two-foot concrete pad at grade, an expandable gasket well cap, and an eight-inch manhole with bolt-down cover.	

Fire Academy of the South - FSCJ

Photograph 7

Looking northwest at 55-gallon IDW drums staged in AOC-2. A total of 12 liquid IDW and 4 solid IDW drums were generated during deep monitoring well installation activities.

Photograph 8

View looking southeast at the decontamination pit and steam pressure washer used for decontamination of sonic drill tooling.

APPENDIX C

Well Survey Report

BANKS
CONSULTING, INC.

Banks & Banks Consulting, Inc
83 W 9th Street
Atlantic Beach, FL

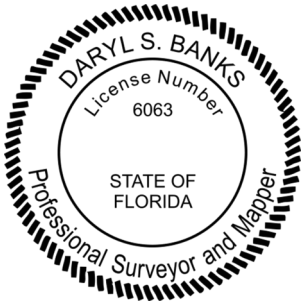
June 29, 2022

Dear Sirs:

The work performed at the Fire Academy of the South was performed under the following standards of practice:

THAT THIS SURVEY MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF SURVEYORS AND MAPPERS UNDER THE DEPT. OF AGRICULTURE AND CONSUMER SERVICES, PURSUANT TO SECTION 472.027 FLORIDA STATUTES AND CHAPTER 5J-17.050 FLORIDA ADMINISTRATIVE CODE.

See the following Page for list of Monitoring Wells.



Sincerely,

Daryl S. Banks

Daryl Banks, PSM
Db

Street Address
83 West 9t Street
Atlantic Beach ,FL32233

PHONE (904) 685 -2800
FAX (904) 685-2345
E-MAIL help@bankssurveyors.com
WEB SITE banksa ndbanksconsulting.com

152,2169450.9280,495487.6030,37.1380,DEPMW-9S
158,2168349.8990,495636.6820,38.1220,FSJC-TMW-7SR
159,2168342.5310,495542.7760,38.5710,FSJC-TMW-8S
160,2168244.1010,495669.3780,39.6850,FSJC-TMW-4DR
161,2168249.7020,495672.2810,39.2310,FSJC-TMW-4SR
162,2168225.7860,495835.9420,38.4130,FSJC-TMW-20S
163,2167966.8750,495829.6870,38.8240,DEPMW-3D
165,2167972.3030,495833.4880,38.8620,DEPMW-3S
167,2167799.0620,495848.4280,38.3630,DEPMW-7S
169,2167879.5810,495524.9120,38.1250,DEPMW-6S
170,2168118.9300,495534.7800,39.4400,FSCJ-TMW-15S
171,2168219.3430,495546.4970,38.3080,FSCJ-TMW-5SR
173,2168229.5720,495434.3420,37.7690,FSCJ-TMW-6S
174,2168224.0770,495433.0080,37.6610,FSCJ-TMW-6D
177,2168320.1730,495254.5700,38.9530,FSJC-TMW-9S
179,2168194.9330,495313.7550,38.0010,FSCJ-TMW-14S
183,2168055.3590,495269.8070,38.5940,FSCJ-TMW-4D
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197,2168393.0050,495532.0040,38.5370,FSJC-TMW-2D
199,2168398.3540,495547.5050,38.7490,FSJC-TMW-2SR
201,2168394.6500,495663.6910,38.5780,FSCJ-TMW-1S
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3551,2168610.3020,494982.9380,38.0890,DEPMW-8S
3553,2168616.4720,494982.8150,38.4600,DEPMW-1D
3555,2168429.9040,495298.5010,37.7750,FSCJ-TMW-18S
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3584,2168795.4920,495221.7920,38.8060,DEPMW-5S
3587,2168305.1670,495776.3890,38.4860,FSCJ-TMW-10S
3594,2168395.9300,495092.0600,36.4700,FSCJ-TMW-19S
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5107,2168622.9685,495461.2322,38.6320,FSCJ-TMW-17S
5108,2168798.3830,495565.0115,39.5220,DEPMW-2S
5110,2168793.1845,495563.9651,39.3580,DEPMW-2D

BANKS & BANKS CONSULTING

STANDARD OPERATING PROCEDURE

Survey Operations

I. Purpose

This SOP provides guidance to obtain accurate and consistent survey and elevation data during Survey Operation at Survey sites. The SOP also provides guidelines for project team to ascertain the quality and usability of the survey data and upload the data to the environmental database. The survey will be conducted in accordance with Federal, State and Local survey standards in effect at each site.

II. Equipment and Materials

Equipment to be used for the survey shall vary depending on the type of survey and the intended use of the survey data. However, the equipment to be used for a task shall be specified in the Statement of Work (SOW) to the survey subcontractor.

III. Procedures and Guidelines

This section covers the procedure to follow from scoping the survey task to receiving survey subcontractor's deliverables and uploading the data to the EDB.

Pre-mobilization planning

The SOW will be developed by the project team to include the required qualification and licensure of the surveyor to perform the task, type of survey to be conducted (e.g. boundary, topographic or location (x, y, and z)), the level of accuracy/tolerance desired, the survey method and equipment to use, and number of locations to be surveyed. For locations survey, a minimum of three previously surveyed locations will be included amongst the locations to be surveyed. These previously surveyed locations shall serve as QA/QC locations.

The project team will send the SOW to the BANKS & BANKS CONSULTING, INC. internal survey review team for review. The SOW will be sent to survey subcontractor for bidding.

Field Survey

The selected survey subcontractor will use the method and equipment specified in the SOW to perform the survey as scoped in the SOW. ***Unless otherwise specified in individual SOW, the following minimum standards shall apply to all survey tasks at Survey site:***

- The surveyor shall determine and report the datum system of the existing survey control of the site. Once the existing control datum is known, the surveyor shall notify BANKS & BANKS CONSULTING, INC. and provide BANKS & BANKS CONSULTING, INC. with an evaluation of any discrepancies noted.

- Vertical Control work shall be Third Order, as outlined in the **FGDC Geospatial Positioning Accuracy Standards, Part 4: Standards for Architecture, Engineering, Construction (A/E/C) and Facility Management.**
- The actual elevations of locations shall be determined using standard differential leveling using a closed level loop closing on the original bench mark within the tolerances of Third Order, as outlined in the **FGDC Geospatial Positioning Accuracy Standards, Part 4: Standards for Architecture, Engineering, Construction (A/E/C) and Facility Management.**
- Horizontal Control work can be done using either standard surveying techniques or Global Positioning System (GPS) techniques, meeting the specification requirements outlined in the individual scope. If standard surveying techniques are used, all horizontal control work shall comply with Third Order Class I, as outlined in the **FGDC Geospatial Positioning Accuracy Standards, Part 4: Standards for Architecture, Engineering, Construction (A/E/C), and Facility Management.** If GPS is used, the relative horizontal accuracy shall conform to the **FGDC Geospatial Positioning Accuracy Standards, Part 2: National Standard for Spatial Data Accuracy.**
- The **Surveyor** shall provide coordinates in the plant coordinate system in use at the particular project. The project shall be tied to the appropriate State Plane Coordinate System (SPCS), and shall provide coordinates of all points X, Y, and Z to the nearest
  0.01 foot, regardless of the accuracy of the survey. Coordinate ties for the survey shall conform to **NAD 83 (Latest Adjustment)** and **NAVD 88**, **Florida State Plane Coordinate System.**
- All instruments (conventional or electronic) shall be calibrated according to the manufacturer's recommendations and maintained in accurate calibration throughout the execution of the work. Upon request, survey subcontractor shall make Instrument calibrations records available to Project team for review.
- Survey information based on US Survey Feet.

IV. SUBCONTRACTOR DELIVERABLE

Unless otherwise specified in individual SOW, the following shall be the deliverable from survey subcontractor to BANKS & BANKS CONSULTING, INC. upon completion of survey task:

The **Surveyor** shall provide a coordinate printout and electronic copy of all requested information, as listed in the individual SOW. The file shall be in Excel format, and shall contain the station ID, horizontal and vertical coordinate information, and feature codes.

All information provided by the **Surveyor** shall be tied to the State Plane Coordinate System in use at the location of the project. A project adjustment factor shall be provided and the final

coordinate system shall be converted to ground.

The **Surveyor** shall provide a copy of all field notes and electronically collected notes of horizontal and vertical traverses, as well as closure information on these traverses.

The **Surveyor** shall prepare a technical memorandum that documents the research activity and provides copies of the gathered information, providing one paper copy and one electronic copy in Microsoft Word ™ format of the technical memorandum.

The Surveyor shall provide a coordinate printout of all requested information, as listed in the individual SOW, in excel format with all X, Y, and Z coordinates listed to the nearest 0.01 foot. The collected field information shall be provided in both Excel, and ASCII format; and shall contain the station ID and the horizontal and vertical coordinate information. All information shall be tied to the Florida State Plane Coordinate System . A project adjustment factor shall be provided and the final coordinate system shall be converted to ground

V. QA/QC and DATA UPLOAD TO ENVIRONMENTAL DATABASE

A. The Project Manager shall submit all survey field notes, data and electronic files to the internal surveying review team for review. The Project manager may ask that a map or plot of the coordinates be submitted by the review team. This would be an internal document that would serve as an additional tool for the Project Manager.
B. The Project Manager may perform tests to verify the subcontractor's data; however, this is an additional test that must be validated by the approved survey reviewers. Ancillary tests that may facilitate the quality control purposes are recommended.
C. After the results from the survey reviewers have been received, the Project Manager will have two options:
    1. The subcontractor's data are approved, and thus, may be incorporated into the other data sets.
    2. The subcontractor's data are NOT approved, and thus, may NOT be incorporated into the other data sets. The following items should be completed in order to determine the best course of action:
        a) Consult and Review a list of failed items from the survey reviewer
        b) Rate the items as minor and major problems
        c) Consult the subcontractor and determine if there was any misunderstanding on the subcontractor's behalf
        d) Determine the Action item needed to rectify the problem

Once data set has been approved, the Project team will submit the data set to the Database managers for uploading in the Environmental database

VI. Attachments

Survey Procedure Flow Chart

VII. Key Check and Items

Coordinate ties for the survey shall conform to **NAD 83 (Latest Adjustment)** and **NAVD 88**, **Florida State Plane Coordinate System**

All survey data must be reviewed by the BANKS & BANKS CONSULTING, INC. internal review team before uploading the data to the environmental database

APPENDIX D

Waste Manifests

Chemtrec

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	ERIC-7421	1	800-424-9300	CEI 0080370

GENERATOR

5. Generator's Name and Mailing Address
FDEP
2700 FIRE FIGHTER MEMORIAL DRIVE
JACKSONVILLE
FL 32246
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: CLARK ENVIRONMENTAL INC. 863-425-4884 — U.S. EPA ID Number: FLD984205003

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CLARK ENVIRONMENTAL INC.
755 N. PRAIRIE INDUSTRIAL PKWY
MULBERRY FL 33860
Facility's Phone: 863-425-4884 — U.S. EPA ID Number: FLD984205003

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	INDUSTRIAL WASTE NON-REGULATED MATERIAL	004	DM	00220	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

47053 a. DW01 LIQUID
b.
c.
d.

WASTE PROCESS HAS NOT CHANGED SINCE PROFILED

Broker:
GOLDER ASSOCIATES

Broker Site Contact:

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 all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Scott Neal (Agent of FDEP) — Signature: Scott Neal — Month 1 Day 28 Year 22

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. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Carl Layne — Signature — Month 2 Day 1 Year 22

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
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: Brandy Crawford — Signature: Brandy Crawford — Month 2 Day 1 Year 22

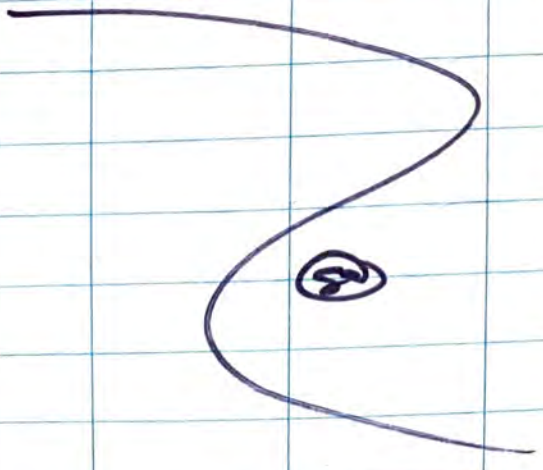
94

Location JACKSONVILLE, FL Date 5/23/22

Project / Client FIRE ACADEMY OF THE SOUTH - FSCJ

SOF SOW ERK-17235 SS

0800	ARRIVE ON SITE, CHECK IN AT ADMINISTRATION BUILDING, REVIEW HASP & SOW
0815	RECOVER/LOCATE FSCJ-TMW-105 & FSCJ-TMW-195 FOR SURVEYOR
0845	CLARK ENVIRONMENTAL ON SITE, REVIEW DRUM COUNT & CONTENTS
0900	BEGIN LOADING DRUMS ONTO TRUCK FOR DISPOSAL
0945	COMPLETE LOADING OF 21 DRUMS (4 SOIL, 17 LIQUID), SIGN MANIFESTS
1000	DEPART SITE W/ CLARK



Chemtrec

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
ERC-11235		800-424-9300	CEI 0079774

5. Generator's Name and Mailing Address

FDEP - FIRE ACADEMY OF THE SOUTH FSCJ
2700 FIRE FIGHTER MEMORIAL DRIVE
JACKSONVILLE
FL 32246

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name		U.S. EPA ID Number
CLARK ENVIRONMENTAL INC.	863-425-4884	FLD984206003

7. Transporter 2 Company Name	U.S. EPA ID Number

8. Designated Facility Name and Site Address

CLARK ENVIRONMENTAL INC.
755 N. PRAIRIE INDUSTRIAL PKWY
MULBERRY FL 33860

863-425-4884

U.S. EPA ID Number: FLD984206003

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	INDUSTRIAL WASTE NON-REGULATED MATERIAL	014	DM	00770	G	
2.	INDUSTRIAL WASTE NON-REGULATED MATERIAL	004	DM	00220	G	
3.						
4.						

13. Special Handling Instructions and Additional Information

47053
a. DW01 LIQUID
b. DC02 SOLID
c.
d.

WASTE PROCESS HAS NOT CHANGED SINCE PROFILED
Broker:
GOLDER ASSOCIATES
Broker Site Contact:

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 all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: STEPHEN SISSEL/AGENT OF FDEP — Signature — Month: 5 Day: 23 Year: 22

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Earl Wilson — Signature — Month: 5 Day: 23 Year: 22

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) — U.S. EPA ID Number

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: Brandy Crawford — Signature: B Crawford — Month: 5 Day: 23 Year: 22

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

Chemtrec

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
FRL-11235		800-424-9300	CEI 0079775

GENERATOR

5. Generator's Name and Mailing Address
FDEP FIRE ACADEMY OF THE SOUTH - FSCT
2700 FIRE FIGHTER MEMORIAL DRIVE
JACKSONVILLE
FL 32246
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: CLARK ENVIRONMENTAL INC. 863-425-4884 — U.S. EPA ID Number: FLD984206003

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CLARK ENVIRONMENTAL INC. 863-425-4884 FLD984206003
755 N. PRAIRIE INDUSTRIAL PKWY
MULBERRY FL 33860
Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	INDUSTRIAL WASTE NON-REGULATED MATERIAL	003	DM	00165	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
47053 a. DW01 LIQUID
b.
c.
d.

WASTE PROCESS HAS NOT CHANGED SINCE PROFILED
Broker:
GOLDER ASSOCIATES
Broker Site Contact:

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 all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: STEPHEN SHOR/AGENT OF FDEP — Signature: [signature] — Month 5 Day 23 Year 22

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. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Carl Wynn — Signature: [signature] — Month 5 Day 23 Year 22

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
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: Brandy Crawford — Signature: [signature] — Month 5 Day 23 Year 22

APPENDIX E

Laboratory Analytical Reports

Chemical Analysis Report

SIS-2021-11-18-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

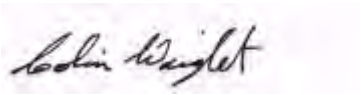
Event Description: **Fire Academy of the South**
Request ID: **RQ-2021-11-15-48**
Customer: **SIS**
Project ID: **SIS-PFAS**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Road
Twin Towers Bldg. MS# 4515
Tallahassee, FL 32399
Attn: Jeff Newton

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Colin Wright, Program Administrator

Date Certified: 13-DEC-2021 12:34



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: Fire Academy of the South **Collection Date/Time: 11/16/2021 09:20**

Field ID: DEPSB-20-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290499	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.56	U	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.56	U	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.28	U	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.28	U	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.29	I	ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	0.31	I	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.28	U	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	0.78	I	ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.33	I	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.28	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.28	U	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	0.57	I	ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.14	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.28	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.56	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P406570	

Field ID: DEPSB-20-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290499	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406570	
2290507	SM 2540 G (20th)	% Solid	80.1		%	P406679	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 09:25**

Field ID: DEPSB-20-1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290500	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.54	U	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.54	U	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.27	U	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.27	I	ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	0.43	I	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.27	U	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	5.1		ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.30	I	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.27	U	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	0.78	I	ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.19	I	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.2		ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.54	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P406570	

Field ID: DEPSB-20-1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290500	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406570	
2290508	SM 2540 G (20th)	% Solid	79.9		%	P406679	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 09:30**

Field ID: DEPSB-21-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290501	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.15	I	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.55	I	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.52	I	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.21	U	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.63	I	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.75		ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	0.66	I	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.29	I	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	2.0		ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	1.0		ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.21	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.21	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.33	I	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	1.1		ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.21	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.21	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.21	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.7	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.21	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.42	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.21	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.21	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.21	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.21	U	ug/Kg	P406570	

Field ID: DEPSB-21-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290501	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.21	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.84	U	ug/Kg	P406570	
2290509	SM 2540 G (20th)	% Solid	89.4		%	P406679	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 09:35**

Field ID: DEPSB-21-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290502	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.46	U	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.30	I	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.69		ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	0.47	I	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	1.1		ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.54	I	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.27	I	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	0.33	I	ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406570	

Field ID: DEPSB-21-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290502	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.92	U	ug/Kg	P406570	
2290510	SM 2540 G (20th)	% Solid	91.2		%	P406679	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 09:55**

Field ID: DEPSB-22-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290503	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	I	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.53	I	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.52	U	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.37	I	ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	0.40	I	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	0.91	I	ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.28	I	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.26	U	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	1.2		ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406570	

Field ID: DEPSB-22-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290503	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406570	
2290511	SM 2540 G (20th)	% Solid	81.5		%	P406679	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 10:00**

Field ID: DEPSB-22-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290504	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.51	U	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.35	I	ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	1.0	I	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	0.76	I	ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.25	U	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.25	U	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	1.2		ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406570	

Field ID: DEPSB-22-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290504	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406570	
2290512	SM 2540 G (20th)	% Solid	81.8		%	P406679	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 10:05**

Field ID: DEPSB-23-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290505	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.79	I	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	U	ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	1.4		ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.24	U	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406570	

Field ID: DEPSB-23-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290505	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.97	U	ug/Kg	P406570	
2290513	SM 2540 G (20th)	% Solid	88.4	A	%	P406680	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 10:10**

Field ID: DEPSB-23-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290506	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.58	U	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.70	I	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.29	U	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.29	I	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.58		ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	1.2		ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.32	I	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	4.8		ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.29	U	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.29	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.79	I	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.90	I	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	0.31	I	ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.14	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.29	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.29	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.29	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.3	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.29	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.58	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.29	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.29	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.29	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.29	U	ug/Kg	P406570	

Field ID: DEPSB-23-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290506	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.29	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.2	U	ug/Kg	P406570	
2290514	SM 2540 G (20th)	% Solid	77.0		%	P406680	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 10:25**

Field ID: DEPSB-24-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290518	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	I	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.78	I	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.54	I	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.23	I	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.37	I	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.11	U	ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	0.52	I	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.23	I	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	1.2		ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.49	I	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.43	I	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	1.6		ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406570	

Field ID: DEPSB-24-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290518	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.90	U	ug/Kg	P406570	
2290540	SM 2540 G (20th)	% Solid	91.3		%	P406680	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 10:30**

Field ID: DEPSB-24-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290519	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	I	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	1.2	I	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.43	U	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.21	U	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	1.1		ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.16	I	ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	1.9		ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.21	U	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	0.47	I	ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.43	I	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.21	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.21	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.21	U	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	3.3		ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.21	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.21	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.21	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.7	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.21	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.43	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.21	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.21	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.21	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.21	U	ug/Kg	P406570	

Field ID: DEPSB-24-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290519	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.21	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.85	U	ug/Kg	P406570	
2290541	SM 2540 G (20th)	% Solid	88.9		%	P406680	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 10:35**

Field ID: DEPSB-25-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290520	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.48	U	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.26	I	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.24	I	ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	0.56	I	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.28	I	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	2.3		ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.35	I	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.24	U	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	0.84	I	ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406570	

Field ID: DEPSB-25-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290520	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.97	U	ug/Kg	P406570	
2290542	SM 2540 G (20th)	% Solid	83.6		%	P406680	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 10:40**

Field ID: DEPSB-25-1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290521	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.53	U	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.53	U	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.13	U	ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	0.41	I	ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.26	U	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	0.26	U	ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406570	

Field ID: DEPSB-25-1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290521	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406570	
2290543	SM 2540 G (20th)	% Solid	82.3		%	P406680	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 10:55**

Field ID: DEPSB-26-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290522	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.63	I	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.72	I	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.27	I	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.22	I	ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.31	I	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	2.5		ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.48	I	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.54	I	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	0.31	I	ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406570	

Field ID: DEPSB-26-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290522	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406570	
2290544	SM 2540 G (20th)	% Solid	79.6		%	P406680	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 11:00**

Field ID: DEPSB-26-1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290523	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.50	U	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.50	U	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.13	U	ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	0.25	U	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	0.47	I	ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.25	U	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.25	U	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	0.25	U	ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.50	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406570	

Field ID: DEPSB-26-1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290523	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406570	
2290545	SM 2540 G (20th)	% Solid	79.7		%	P406680	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 11:05**

Field ID: DEPSB-27-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290524	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.48	I	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	1.9		ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	1.3		ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.55	I	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.17	I	ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	0.61	I	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.83	I	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	11		ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.67	I	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.36	I	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	1.2		ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	0.96		ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406570	

Field ID: DEPSB-27-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290524	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.93	U	ug/Kg	P406570	
2290546	SM 2540 G (20th)	% Solid	86.0		%	P406680	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 11:10**

Field ID: DEPSB-27-1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290525	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406570	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406570	
		Perfluorodecanoic acid (PFDA)**	0.65	I	ug/Kg	P406570	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P406570	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406570	
		Perfluorohexanesulfonic acid (PFHxS)**	0.14	I	ug/Kg	P406570	
		Perfluorohexanoic acid (PFHxA)**	0.30	I	ug/Kg	P406570	
		Perfluorononanoic acid (PFNA)**	0.56	I	ug/Kg	P406570	
		Perfluorooctanesulfonic acid (PFOS)**	9.4		ug/Kg	P406570	
		Perfluorooctanoic acid (PFOA)**	0.32	I	ug/Kg	P406570	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406570	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P406570	
		Perfluoroundecanoic acid (PFUnA)**	0.40	I	ug/Kg	P406570	
		Perfluoropentanoic acid (PFPeA)**	0.46	I	ug/Kg	P406570	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406570	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406570	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406570	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406570	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406570	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406570	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406570	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406570	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406570	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406570	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406570	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406570	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406570	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406570	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406570	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406570	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406570	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406570	

Field ID: DEPSB-27-1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290525	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406570	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.98	U	ug/Kg	P406570	
2290547	SM 2540 G (20th)	% Solid	82.8		%	P406680	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 11:40**

Field ID: DEPSB-28-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290526	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.77	I	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.22	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	0.60		ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.33	I	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.22	I	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	4.6		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.58	I	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	1.3		ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	1.2		ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.45	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.22	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406571	

Field ID: DEPSB-28-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290526	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.89	U	ug/Kg	P406571	
2290548	SM 2540 G (20th)	% Solid	87.5	A	%	P406681	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 11:45**

Field ID: DEPSB-28-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290527	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.50	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.78	I	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.26	I	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	0.89		ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.25	U	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.49	I	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	10		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.72	I	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	1.1		ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	0.88	I	ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.29	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.50	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406571	

Field ID: DEPSB-28-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290527	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.99	U	ug/Kg	P406571	
2290549	SM 2540 G (20th)	% Solid	84.6		%	P406681	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 11:50**

Field ID: DEPSB-29-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290528	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.42	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.54	I	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.21	I	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	0.11	U	ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.23	I	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.22	I	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	0.71	I	ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.21	I	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.21	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.21	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	0.99		ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.33	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.21	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.21	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.21	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.7	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.21	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.42	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.21	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.21	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.21	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.21	U	ug/Kg	P406571	

Field ID: DEPSB-29-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290528	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.21	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.84	U	ug/Kg	P406571	
2290550	SM 2540 G (20th)	% Solid	90.6		%	P406681	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 11:55**

Field ID: DEPSB-29-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290529	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.50	I	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.45	U	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.22	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.75	I	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	0.28	I	ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.96		ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.57	I	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	1.9		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.92		ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.22	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	0.39	I	ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	1.2		ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.22	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406571	

Field ID: DEPSB-29-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290529	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.90	U	ug/Kg	P406571	
2290551	SM 2540 G (20th)	% Solid	87.2		%	P406681	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 12:20**

Field ID: DEPSB-30-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290530	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.77	I	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	2.5		ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	1.1		ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	1.3		ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	1.5		ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.99	I	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	1.4		ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	10		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	1.1		ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.36	I	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	2.9		ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	1.5		ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.48	I	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.27	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.54	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P406571	

Field ID: DEPSB-30-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290530	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406571	
2290552	SM 2540 G (20th)	% Solid	80.5		%	P406681	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 12:25**

Field ID: DEPSB-30-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290531	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.50	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.66	I	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	0.36	I	ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.25	U	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.47	I	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	3.5		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.31	I	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	0.53	I	ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.33	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.50	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406571	

Field ID: DEPSB-30-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290531	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406571	
2290553	SM 2540 G (20th)	% Solid	80.6		%	P406681	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 12:30**

Field ID: DEPSB-31-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290532	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.46	I	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.65	I	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.31	I	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.39	I	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	0.49		ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.38	I	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.23	I	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	2.5		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.37	I	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.20	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	3.4		ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	2.1		ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.72	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	I	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.10	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.10	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.10	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.10	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.20	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.20	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.20	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.6	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.20	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.10	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.10	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.41	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.20	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.20	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.20	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.20	U	ug/Kg	P406571	

Field ID: DEPSB-31-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290532	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.20	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.82	U	ug/Kg	P406571	
2290554	SM 2540 G (20th)	% Solid	92.8		%	P406681	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/16/2021 09:15**

Field ID: EQB-HA-1 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290537	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P406766	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P406766	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P406766	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P406766	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P406766	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P406766	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P406766	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P406766	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P406766	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P406766	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P406766	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P406766	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P406766	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P406766	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P406766	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P406766	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P406766	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P406766	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P406766	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P406766	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P406766	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P406766	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P406766	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P406766	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P406766	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P406766	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P406766	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P406766	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P406766	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P406766	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P406766	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P406766	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P406766	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P406766	

Field ID: EQB-HA-1 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290537	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P406766	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P406766	

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: Fire Academy of the South **Collection Date/Time: 11/16/2021 10:45**

Field ID: EQB-HA-2 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290538	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P406766	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P406766	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P406766	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P406766	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P406766	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P406766	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P406766	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P406766	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P406766	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P406766	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P406766	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P406766	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P406766	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P406766	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P406766	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P406766	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P406766	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P406766	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P406766	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P406766	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P406766	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P406766	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P406766	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P406766	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P406766	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P406766	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P406766	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P406766	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P406766	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P406766	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P406766	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P406766	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P406766	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P406766	

Field ID: EQB-HA-2 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290538	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P406766	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P406766	

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: Fire Academy of the South **Collection Date/Time: 11/16/2021 12:45**

Field ID: EQB-HA-3 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290539	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P406766	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P406766	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P406766	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P406766	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P406766	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P406766	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P406766	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P406766	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P406766	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P406766	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P406766	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P406766	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P406766	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P406766	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P406766	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P406766	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P406766	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P406766	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P406766	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P406766	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P406766	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P406766	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P406766	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P406766	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P406766	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P406766	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P406766	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P406766	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P406766	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P406766	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P406766	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P406766	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P406766	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P406766	

Field ID: EQB-HA-3 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290539	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P406766	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P406766	

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: Fire Academy of the South **Collection Date/Time: 11/16/2021 12:35**

Field ID: DEPSB-31-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290533	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.43	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.93	I	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.28	I	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	0.21	I	ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.29	I	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	1.9		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.34	I	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.21	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.21	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	0.79	I	ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.34	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.21	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.21	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.21	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.7	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.21	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.43	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.21	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.21	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.21	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.21	U	ug/Kg	P406571	

Field ID: DEPSB-31-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290533	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.21	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.85	U	ug/Kg	P406571	
2290558	SM 2540 G (20th)	% Solid	95.1		%	P406681	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 09:40**

Field ID: DEPSB-1-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290559	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.32	I	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.51	U	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.27	I	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	2.9		ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.93	I	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.35	I	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	19		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.27	I	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	0.26	U	ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.83	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.29	I	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.36	I	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406571	

Field ID: DEPSB-1-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290559	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406571	
2290571	SM 2540 G (20th)	% Solid	83.4	A	%	P406626	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 09:45**

Field ID: DEPSB-1-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290560	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.48	I	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.52	U	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.30	I	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	6.6		ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	1.1		ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	49		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.54	I	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	0.77	I	ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.39	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.68		ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.52	I	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.29	I	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.39	I	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.56		ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.15	I	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406571	

Field ID: DEPSB-1-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290560	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406571	
2290572	SM 2540 G (20th)	% Solid	81.9		%	P406626	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 09:40**

Field ID: DEPSB-2-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290561	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.17	I	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.47	I	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.22	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.35	I	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	5.1		ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.61	I	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.71	I	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	41		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.49	I	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.22	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	2.6		ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.33	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.28	I	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.37	I	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.27	I	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.14	I	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.22	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406571	

Field ID: DEPSB-2-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290561	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.90	U	ug/Kg	P406571	
2290573	SM 2540 G (20th)	% Solid	85.0		%	P406626	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 09:45**

Field ID: DEPSB-2-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290562	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.17	I	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.48	U	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.38	I	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	4.7		ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	1.0		ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	1.9		ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	67		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.57	I	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	0.24	U	ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.71	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.23	I	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.45	I	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	I	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.37	I	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406571	

Field ID: DEPSB-2-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290562	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.96	U	ug/Kg	P406571	
2290574	SM 2540 G (20th)	% Solid	84.1		%	P406626	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 10:05**

Field ID: DEPSB-3-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290563	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.76	I	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	1.6		ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.36	I	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	34		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	0.46	I	ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.26	U	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.24	I	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406571	

Field ID: DEPSB-3-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290563	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406571	
2290575	SM 2540 G (20th)	% Solid	83.0		%	P406626	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 10:10**

Field ID: DEPSB-3-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290564	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.48	U	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.27	I	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	2.0		ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.29	I	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.54	I	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	61		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.41	I	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	0.24	U	ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.42	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.36	I	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406571	

Field ID: DEPSB-3-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290564	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.96	U	ug/Kg	P406571	
2290576	SM 2540 G (20th)	% Solid	81.8		%	P406626	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 10:35**

Field ID: DEPSB-4-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290565	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.46	I	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.53	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	36		ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	2.9		ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	1.1		ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	13		ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	1.3		ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.27	U	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	500		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	2.8		ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.49	I	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	43		ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	730		ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	1.1		ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.85		ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.2		ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	3.5		ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.75		ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	5.2		ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	52		ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.5		ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	19		ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P406571	

Field ID: DEPSB-4-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290565	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406571	
2290577	SM 2540 G (20th)	% Solid	80.8		%	P406626	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 10:40**

Field ID: DEPSB-4-1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290566	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.27	I	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	11		ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.50	I	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	4.4		ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.53	I	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	21		ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	160		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	1.0		ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	1.2		ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	100		ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.34	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.24	I	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.57		ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	1.0		ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.58		ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	27		ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	I	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.7		ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406571	

Field ID: DEPSB-4-1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290566	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.97	U	ug/Kg	P406571	
2290578	SM 2540 G (20th)	% Solid	85.4		%	P406626	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 10:45**

Field ID: DEPSB-5-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290567	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.56	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.56	U	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.28	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.30	I	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	1.2		ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.49	I	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.28	U	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	9.3		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.28	U	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.28	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	1.1	I	ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.52	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.21	I	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.16	I	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.14	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.28	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.56	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P406571	

Field ID: DEPSB-5-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290567	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406571	
2290579	SM 2540 G (20th)	% Solid	77.8		%	P406626	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 10:50**

Field ID: DEPSB-5-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290568	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.46	U	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	0.35	I	ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.23	U	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.25	I	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	8.4		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.23	U	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	0.23	U	ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.23	U	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.12	I	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406571	

Field ID: DEPSB-5-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290568	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.92	U	ug/Kg	P406571	
2290580	SM 2540 G (20th)	% Solid	85.0		%	P406626	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 11:00**

Field ID: DEPSB-6-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290569	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.75	I	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.50	I	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.38	I	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	0.41	I	ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.34	I	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.47	I	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	8.5		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.52	I	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	1.4		ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.53	I	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.15	I	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406571	

Field ID: DEPSB-6-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290569	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.99	U	ug/Kg	P406571	
2290581	SM 2540 G (20th)	% Solid	81.2	A	%	P406627	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 11:05**

Field ID: DEPSB-6-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290570	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406571	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P406571	
		Perfluorodecanoic acid (PFDA)**	0.45	U	ug/Kg	P406571	
		Perfluorododecanoic acid (PFDoA)**	0.22	U	ug/Kg	P406571	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P406571	
		Perfluorohexanesulfonic acid (PFHxS)**	0.11	U	ug/Kg	P406571	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P406571	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P406571	
		Perfluorooctanesulfonic acid (PFOS)**	2.0		ug/Kg	P406571	
		Perfluorooctanoic acid (PFOA)**	0.22	U	ug/Kg	P406571	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406571	
		Perfluorotridecanoic acid (PFTriA)**	0.22	U	ug/Kg	P406571	
		Perfluoroundecanoic acid (PFUnA)**	0.22	U	ug/Kg	P406571	
		Perfluoropentanoic acid (PFPeA)**	0.22	U	ug/Kg	P406571	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406571	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406571	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406571	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406571	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406571	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406571	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406571	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406571	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.22	U	ug/Kg	P406571	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406571	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406571	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406571	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406571	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406571	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406571	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406571	

Field ID: DEPSB-6-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290570	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406571	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.89	U	ug/Kg	P406571	
2290582	SM 2540 G (20th)	% Solid	84.8		%	P406627	

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.

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 11:10**

Field ID: DEPSB-7-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290583	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.46	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.27	I	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.23	U	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	1.4		ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.23	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.45	I	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.23	U	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406572	

Field ID: DEPSB-7-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290583	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.93	U	ug/Kg	P406572	
2290595	SM 2540 G (20th)	% Solid	86.1		%	P406627	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 11:15**

Field ID: DEPSB-7-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290584	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.48	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.45	I	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.64		ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.29	I	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	2.8		ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.55	I	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.24	U	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.30	I	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406572	

Field ID: DEPSB-7-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290584	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.95	U	ug/Kg	P406572	
2290596	SM 2540 G (20th)	% Solid	83.1		%	P406627	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 11:45**

Field ID: DEPSB-8-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290585	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.53	I	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.25	I	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.32	I	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	1.9		ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	1.5		ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.46	I	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.14	I	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406572	

Field ID: DEPSB-8-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290585	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.42	I	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.96	U	ug/Kg	P406572	
2290597	SM 2540 G (20th)	% Solid	83.3		%	P406627	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 11:50**

Field ID: DEPSB-8-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290586	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.86	I	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.28	I	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	0.99		ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.55	I	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406572	

Field ID: DEPSB-8-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290586	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.96	U	ug/Kg	P406572	
2290598	SM 2540 G (20th)	% Solid	84.8		%	P406627	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 11:55**

Field ID: DEPSB-9-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290587	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	2.3		ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	3.3		ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	1.0		ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.71		ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.49	I	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.93	I	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	4.3		ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	1.1		ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.88	I	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	11		ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	8.8		ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.43	I	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.27	I	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.20	I	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.44	I	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406572	

Field ID: DEPSB-9-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290587	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.95	U	ug/Kg	P406572	
2290599	SM 2540 G (20th)	% Solid	85.3		%	P406627	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 12:00**

Field ID: DEPSB-9-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290588	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	I	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	2.5		ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.56	I	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	3.0		ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.55	I	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.96	I	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	32		ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.92	I	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.34	I	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	2.1		ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.36	I	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.21	I	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.41	I	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.13	I	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.30	I	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	I	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406572	

Field ID: DEPSB-9-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290588	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.96	U	ug/Kg	P406572	
2290600	SM 2540 G (20th)	% Solid	83.2		%	P406627	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 12:10**

Field ID: DEPSB-10-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290589	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.40	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.40	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.79	I	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.22	I	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.22	I	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.20	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	1.4		ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.20	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.20	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.63	I	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.21	I	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	I	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.10	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.10	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.10	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.10	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.20	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.20	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.20	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.6	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.20	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.10	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.10	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.40	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.20	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.20	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.20	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.20	U	ug/Kg	P406572	

Field ID: DEPSB-10-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290589	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.20	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.80	U	ug/Kg	P406572	
2290601	SM 2540 G (20th)	% Solid	77.8		%	P406627	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 12:15**

Field ID: DEPSB-10-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290590	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.49	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.15	I	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.25	U	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	0.51	I	ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.25	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.56	I	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.25	U	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406572	

Field ID: DEPSB-10-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290590	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.98	U	ug/Kg	P406572	
2290602	SM 2540 G (20th)	% Solid	82.7		%	P406627	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 13:45**

Field ID: DEPSB-11-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290591	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.47	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	U	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.32	I	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	3.5		ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.23	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.24	I	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.48	I	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406572	

Field ID: DEPSB-11-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290591	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.94	U	ug/Kg	P406572	
2290603	SM 2540 G (20th)	% Solid	85.7	A	%	P406631	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 13:55**

Field ID: DEPSB-12-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290592	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.51	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.62	I	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.13	U	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.41	I	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	0.26	U	ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.55	I	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.26	U	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.45	I	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406572	

Field ID: DEPSB-12-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290592	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406572	
2290604	SM 2540 G (20th)	% Solid	84.4		%	P406631	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 14:00**

Field ID: DEPSB-12-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290593	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.52	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.88	I	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.15	I	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.42	I	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	0.26	U	ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	1.2		ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.26	U	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.54	I	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406572	

Field ID: DEPSB-12-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290593	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406572	
2290605	SM 2540 G (20th)	% Solid	83.7		%	P406631	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 13:50**

Field ID: DEPSB-11-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290594	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.51	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.13	U	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.25	U	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	1.2		ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.25	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.25	U	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.27	I	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406572	

Field ID: DEPSB-11-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290594	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406572	
2290606	SM 2540 G (20th)	% Solid	85.6		%	P406631	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 14:10**

Field ID: DEPSB-13-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290617	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.41	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.41	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.20	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.20	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.10	I	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.36	I	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.20	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	1.2		ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.20	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.20	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.20	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.20	U	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.62	I	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.10	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.10	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.10	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.10	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.10	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.20	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.20	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.20	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.6	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.20	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.10	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.10	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.41	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.20	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.20	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.20	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.20	U	ug/Kg	P406572	

Field ID: DEPSB-13-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290617	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.20	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.81	U	ug/Kg	P406572	
2290625	SM 2540 G (20th)	% Solid	89.2		%	P406631	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 14:15**

Field ID: DEPSB-13-1.25 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290618	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.44	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.22	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.31	I	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.31	I	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.85	I	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	0.22	U	ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.22	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.22	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.22	U	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	1.2		ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.22	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406572	

Field ID: DEPSB-13-1.25 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290618	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.89	U	ug/Kg	P406572	
2290626	SM 2540 G (20th)	% Solid	87.4		%	P406631	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 14:20**

Field ID: DEPSB-14-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290619	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.45	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.11	U	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.23	U	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	0.65	I	ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.23	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.23	U	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.23	U	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406572	

Field ID: DEPSB-14-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290619	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.90	U	ug/Kg	P406572	
2290627	SM 2540 G (20th)	% Solid	86.7		%	P406631	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 14:25**

Field ID: DEPSB-14-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290620	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.48	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	U	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	0.24	U	ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.24	U	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406572	

Field ID: DEPSB-14-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290620	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.96	U	ug/Kg	P406572	
2290628	SM 2540 G (20th)	% Solid	85.4		%	P406631	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 14:45**

Field ID: DEPSB-15-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290621	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.45	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.22	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.11	U	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	0.35	I	ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.22	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.22	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.22	U	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.26	I	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.22	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406572	

Field ID: DEPSB-15-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290621	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.90	U	ug/Kg	P406572	
2290629	SM 2540 G (20th)	% Solid	89.7		%	P406631	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 14:50**

Field ID: DEPSB-15-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290622	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.45	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.22	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.13	I	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	0.68	I	ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.22	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.22	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.22	U	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.22	U	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.22	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406572	

Field ID: DEPSB-15-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290622	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.89	U	ug/Kg	P406572	
2290630	SM 2540 G (20th)	% Solid	89.0		%	P406631	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 14:55**

Field ID: DEPSB-16-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290623	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.43	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.43	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.22	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.11	U	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	0.44	I	ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.22	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.22	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.22	U	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.30	I	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.7	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.22	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.43	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406572	

Field ID: DEPSB-16-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290623	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.86	U	ug/Kg	P406572	
2290631	SM 2540 G (20th)	% Solid	92.7	A	%	P406632	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 15:00**

Field ID: DEPSB-16-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290624	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406572	
		Perfluorobutanoic acid (PFBA)**	0.42	U	ug/Kg	P406572	
		Perfluorodecanoic acid (PFDA)**	0.42	U	ug/Kg	P406572	
		Perfluorododecanoic acid (PFDoA)**	0.21	U	ug/Kg	P406572	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P406572	
		Perfluorohexanesulfonic acid (PFHxS)**	0.11	U	ug/Kg	P406572	
		Perfluorohexanoic acid (PFHxA)**	0.36	I	ug/Kg	P406572	
		Perfluorononanoic acid (PFNA)**	0.21	U	ug/Kg	P406572	
		Perfluorooctanesulfonic acid (PFOS)**	0.64	I	ug/Kg	P406572	
		Perfluorooctanoic acid (PFOA)**	0.21	U	ug/Kg	P406572	
		Perfluorotetradecanoic acid (PFTeA)**	0.21	U	ug/Kg	P406572	
		Perfluorotridecanoic acid (PFTriA)**	0.21	U	ug/Kg	P406572	
		Perfluoroundecanoic acid (PFUnA)**	0.21	U	ug/Kg	P406572	
		Perfluoropentanoic acid (PFPeA)**	0.55	I	ug/Kg	P406572	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406572	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406572	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406572	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406572	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406572	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406572	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.21	U	ug/Kg	P406572	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.21	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.21	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.7	U	ug/Kg	P406572	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.21	U	ug/Kg	P406572	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406572	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406572	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.42	U	ug/Kg	P406572	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.21	U	ug/Kg	P406572	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.21	U	ug/Kg	P406572	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.21	U	ug/Kg	P406572	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.21	U	ug/Kg	P406572	

Field ID: DEPSB-16-1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290624	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.21	U	ug/Kg	P406572	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.84	U	ug/Kg	P406572	
2290632	SM 2540 G (20th)	% Solid	87.0		%	P406632	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 15:10**

Field ID: DEPSB-17-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290633	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.48	U	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	0.13	I	ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	1.8		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.24	U	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406811	

Field ID: DEPSB-17-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290633	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.96	U	ug/Kg	P406811	
2290637	SM 2540 G (20th)	% Solid	84.6		%	P406632	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 15:15**

Field ID: DEPSB-17-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290634	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.47	U	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	I	ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.29	I	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	0.78	I	ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.23	U	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.23	U	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.51	I	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406811	

Field ID: DEPSB-17-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290634	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.94	U	ug/Kg	P406811	
2290638	SM 2540 G (20th)	% Solid	87.8		%	P406632	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 15:20**

Field ID: DEPSB-18-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290635	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.46	U	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	0.21	I	ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.35	I	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	2.6		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.23	U	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.23	U	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.67	I	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406811	

Field ID: DEPSB-18-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290635	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.92	U	ug/Kg	P406811	
2290639	SM 2540 G (20th)	% Solid	89.4		%	P406632	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 15:25**

Field ID: DEPSB-18-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290636	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.49	U	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	0.35	I	ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	1.7		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.24	U	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406811	

Field ID: DEPSB-18-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290636	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.97	U	ug/Kg	P406811	
2290640	SM 2540 G (20th)	% Solid	85.2		%	P406632	

Sample Location: Fire Academy of the South **Collection Date/Time: 11/15/2021 15:45**

Field ID: DEPSB-19-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290641	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.58	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.58	U	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.29	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.33	I	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	I	ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.43	I	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.29	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	0.87	I	ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.37	I	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.29	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.29	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.47	I	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.61	I	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.14	U	ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	U	ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.29	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.29	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.29	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.3	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.29	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.58	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.29	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.29	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.29	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.29	U	ug/Kg	P406811	

Field ID: DEPSB-19-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2290641	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.29	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.2	U	ug/Kg	P406811	
2290642	SM 2540 G (20th)	% Solid	75.7		%	P406681	

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P406570

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
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

Reference Method: DEP SOP: LC-001-3
Batch ID: P406571

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

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P406571

Component	Result	Code	Units
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
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

Reference Method: DEP SOP: LC-001-3
Batch ID: P406572

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: P406572

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

Reference Method: DEP SOP: LC-001-3
Batch ID: P406766

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)	0.40	U	ng/L
Perfluoro-1-hexane sulfonamide (FHxSA)	0.40	U	ng/L
Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.0	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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: P406766

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: P406811

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
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: P406570

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	111		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	117		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	106		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	79.2		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	84.5		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	110		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	89.0		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	102		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	83.9		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	80.7		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	108		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	96.4		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	90.0		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	87.9		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	110		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	86.3		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	98.7		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	102		P	40 - 160
Perfluorobutanoic acid (PFBA)	79.5		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	124		P	40 - 160
Perfluorodecanoic acid (PFDA)	81.2		P	40 - 160
Perfluorododecanoic acid (PFDoA)	99.9		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	86.2		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	82.7		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	96.4		P	40 - 160
Perfluorohexanoic acid (PFHxA)	95.0		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	105		P	40 - 160
Perfluorononanoic acid (PFNA)	85.0		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	111		P	40 - 160
Perfluorooctanoic acid (PFOA)	106		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	103		P	40 - 160
Perfluoropentanoic acid (PFPeA)	84.2		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	101		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	111		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	111		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	97.6		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406571

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	118		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	118		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	96.3		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	78.7		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	96.0		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	110		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	105		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	93.0		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	86.7		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	61.5		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	113		P	40 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406571

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoro-1-hexane sulfonamide (FHxSA)	97.8		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	93.2		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	89.7		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	112		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	89.6		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	104		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	100		P	40 - 160
Perfluorobutanoic acid (PFBA)	81.5		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	124		P	40 - 160
Perfluorodecanoic acid (PFDA)	107		P	40 - 160
Perfluorododecanoic acid (PFDoA)	120		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	87.6		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	90.9		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	98.0		P	40 - 160
Perfluorohexanoic acid (PFHxA)	92.1		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	109		P	40 - 160
Perfluorononanoic acid (PFNA)	96.6		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	112		P	40 - 160
Perfluorooctanoic acid (PFOA)	122		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	113		P	40 - 160
Perfluoropentanoic acid (PFPeA)	101		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	101		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	110		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	88.0		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	109		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406572

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	125		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	140		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	128		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	91.7		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	80.9		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	118		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	89.0		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	116		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	101		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	87.3		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	77.6		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	105		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	104		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	95.2		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	152		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	95.4		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	114		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	109		P	40 - 160
Perfluorobutanoic acid (PFBA)	84.0		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	131		P	40 - 160
Perfluorodecanoic acid (PFDA)	93.9		P	40 - 160
Perfluorododecanoic acid (PFDoA)	94.0		P	40 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406572

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoroheptanesulfonic acid (PFHpS)	124		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	95.3		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	112		P	40 - 160
Perfluorohexanoic acid (PFHxA)	92.9		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	118		P	40 - 160
Perfluorononanoic acid (PFNA)	88.6		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	117		P	40 - 160
Perfluorooctanoic acid (PFOA)	105		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	69.0		P	40 - 160
Perfluoropentanoic acid (PFPeA)	92.2		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	97.6		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	108		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	106		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	122		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406766

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	87.9		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	105		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	105		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	75.0		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.1		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	95.6		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	78.4		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	72.9		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	67.3		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	58.5		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	149		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	133		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	89.4		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	90.1		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	101		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	89.2		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	91.7		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	88.5		P	30 - 160
Perfluorobutanoic acid (PFBA)	90.1		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	112		P	30 - 160
Perfluorodecanoic acid (PFDA)	69.1		P	30 - 160
Perfluorododecanoic acid (PFDoA)	120		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	84.5		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	79.2		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	89.2		P	30 - 160
Perfluorohexanoic acid (PFHxA)	86.4		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	96.1		P	30 - 160
Perfluorononanoic acid (PFNA)	79.6		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	87.3		P	30 - 160
Perfluorooctanoic acid (PFOA)	98.8		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	98.8		P	30 - 160
Perfluoropentanoic acid (PFPeA)	83.8		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	85.4		P	30 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406766

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluorotetradecanoic acid (PFTeA)	79.2		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	79.3		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	76.6		P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406811

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	117		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	130		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	92.8		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	84.8		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	79.2		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	120		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	87.0		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.0		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	82.3		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	64.5		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	99.1		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	85.5		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	94.5		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	113		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	112		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	118		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	105		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	105		P	40 - 160
Perfluorobutanoic acid (PFBA)	75.6		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	120		P	40 - 160
Perfluorodecanoic acid (PFDA)	92.4		P	40 - 160
Perfluorododecanoic acid (PFDoA)	89.5		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	97.5		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	87.3		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	98.8		P	40 - 160
Perfluorohexanoic acid (PFHxA)	98.0		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	107		P	40 - 160
Perfluorononanoic acid (PFNA)	84.4		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	100		P	40 - 160
Perfluorooctanoic acid (PFOA)	77.4		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	116		P	40 - 160
Perfluoropentanoic acid (PFPeA)	90.5		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	80.2		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	80.8		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	89.2		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	80.5		P	40 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406570

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2290226	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	101	90.2	P/P	40 - 160
2290226	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	118	150	P/P	40 - 160
2290226	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	107	97.9	P/P	40 - 160
2290226	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	84.8	78.8	P/P	40 - 160
2290226	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	89.0	86.2	P/P	40 - 160
2290226	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	101	113	P/P	40 - 160
2290226	Hexafluoropropylene oxide dimer acid (HFPO-DA)	89.7	103	P/P	40 - 160
2290226	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	98.2	90.1	P/P	40 - 160
2290226	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	74.9	90.2	P/P	40 - 160
2290226	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	64.9	63.2	P/P	40 - 160
2290226	Perfluoro-1-butane sulfonamide (FBSA)	109	115	P/P	40 - 160
2290226	Perfluoro-1-hexane sulfonamide (FHxSA)	95.4	98.2	P/P	40 - 160
2290226	Perfluoro-1-octane sulfonamide (FOSA)	89.6	90.8	P/P	40 - 160
2290226	Perfluoro-3-methoxypropanoic acid (PFMPA)	94.9	87.8	P/P	40 - 160
2290226	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	112	118	P/P	40 - 160
2290226	Perfluoro-4-methoxybutanoic acid (PFMBA)	89.4	81.6	P/P	40 - 160
2290226	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	104	107	P/P	40 - 160
2290226	Perfluorobutanesulfonic acid (PFBS)	102	107	P/P	40 - 160
2290226	Perfluorobutanoic acid (PFBA)	81.9	75.4	P/P	40 - 160
2290226	Perfluorodecanesulfonic acid (PFDS)	123	106	P/P	40 - 160
2290226	Perfluorodecanoic acid (PFDA)	116	105	P/P	40 - 160
2290226	Perfluorododecanoic acid (PFDoA)	123	98.9	P/P	40 - 160
2290226	Perfluoroheptanesulfonic acid (PFHpS)	92.4	96.7	P/P	40 - 160
2290226	Perfluoroheptanoic acid (PFHpA)	85.7	88.3	P/P	40 - 160
2290226	Perfluorohexanesulfonic acid (PFHxS)	106	107	P/P	40 - 160
2290226	Perfluorohexanoic acid (PFHxA)	90.4	76.7	P/P	40 - 160
2290226	Perfluorononanesulfonic acid (PFNS)	109	102	P/P	40 - 160
2290226	Perfluorononanoic acid (PFNA)	83.6	94.1	P/P	40 - 160
2290226	Perfluorooctanesulfonic acid (PFOS)	114	110	P/P	40 - 160
2290226	Perfluorooctanoic acid (PFOA)	114	102	P/P	40 - 160
2290226	Perfluoropentanesulfonic acid (PFPeS)	106	89.0	P/P	40 - 160
2290226	Perfluoropentanoic acid (PFPeA)	88.0	97.9	P/P	40 - 160
2290226	Perfluoropropanesulfonic acid (PFPrS)	96.3	96.1	P/P	40 - 160
2290226	Perfluorotetradecanoic acid (PFTeA)	115	115	P/P	40 - 160
2290226	Perfluorotridecanoic acid (PFTriA)	94.5	97.7	P/P	40 - 160
2290226	Perfluoroundecanoic acid (PFUnA)	91.7	120	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406571

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2290526	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	118	128	P/P	40 - 160
2290526	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	138	130	P/P	40 - 160
2290526	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	111	120	P/P	40 - 160
2290526	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	80.9	73.6	P/P	40 - 160
2290526	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	83.9	92.3	P/P	40 - 160
2290526	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	106	114	P/P	40 - 160
2290526	Hexafluoropropylene oxide dimer acid (HFPO-DA)	100	88.1	P/P	40 - 160
2290526	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	85.8	87.7	P/P	40 - 160
2290526	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	66.0	75.9	P/P	40 - 160
2290526	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	56.5	50.0	P/P	40 - 160
2290526	Perfluoro-1-butane sulfonamide (FBSA)	70.5	71.7	P/P	40 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406571

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2290526	Perfluoro-1-hexane sulfonamide (FHxSA)	101	102	P/P	40 - 160
2290526	Perfluoro-1-octane sulfonamide (FOSA)	84.3	93.8	P/P	40 - 160
2290526	Perfluoro-3-methoxypropanoic acid (PFMPA)	83.5	89.1	P/P	40 - 160
2290526	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	102	107	P/P	40 - 160
2290526	Perfluoro-4-methoxybutanoic acid (PFMBA)	88.3	76.9	P/P	40 - 160
2290526	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	53.7	57.9	P/P	40 - 160
2290526	Perfluorobutanesulfonic acid (PFBS)	95.0	96.4	P/P	40 - 160
2290526	Perfluorobutanoic acid (PFBA)	89.5	90.6	P/P	40 - 160
2290526	Perfluorodecanesulfonic acid (PFDS)	122	128	P/P	40 - 160
2290526	Perfluorodecanoic acid (PFDA)	80.0	76.5	P/P	40 - 160
2290526	Perfluorododecanoic acid (PFDoA)	106	127	P/P	40 - 160
2290526	Perfluoroheptanesulfonic acid (PFHpS)	85.5	88.7	P/P	40 - 160
2290526	Perfluoroheptanoic acid (PFHpA)	90.8	101	P/P	40 - 160
2290526	Perfluorohexanesulfonic acid (PFHxS)	108	114	P/P	40 - 160
2290526	Perfluorohexanoic acid (PFHxA)	94.6	80.8	P/P	40 - 160
2290526	Perfluorononanesulfonic acid (PFNS)	107	112	P/P	40 - 160
2290526	Perfluorononanoic acid (PFNA)	74.3	81.8	P/P	40 - 160
2290526	Perfluorooctanoic acid (PFOA)	98.8	124	P/P	40 - 160
2290526	Perfluoropentanesulfonic acid (PFPeS)	77.9	70.0	P/P	40 - 160
2290526	Perfluoropentanoic acid (PFPeA)	76.6	77.9	P/P	40 - 160
2290526	Perfluoropropanesulfonic acid (PFPrS)	92.0	89.4	P/P	40 - 160
2290526	Perfluorotetradecanoic acid (PFTeA)	93.2	114	P/P	40 - 160
2290526	Perfluorotridecanoic acid (PFTriA)	109	134	P/P	40 - 160
2290526	Perfluoroundecanoic acid (PFUnA)	58.5	83.5	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406572

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2290583	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	128	153	P/P	40 - 160
2290583	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	144	131	P/P	40 - 160
2290583	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	102	121	P/P	40 - 160
2290583	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	98.7	96.8	P/P	40 - 160
2290583	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	79.4	94.4	P/P	40 - 160
2290583	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	118	120	P/P	40 - 160
2290583	Hexafluoropropylene oxide dimer acid (HFPO-DA)	91.3	106	P/P	40 - 160
2290583	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	94.4	89.4	P/P	40 - 160
2290583	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	76.1	91.6	P/P	40 - 160
2290583	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	74.8	68.5	P/P	40 - 160
2290583	Perfluoro-1-butane sulfonamide (FBSA)	110	130	P/P	40 - 160
2290583	Perfluoro-1-hexane sulfonamide (FHxSA)	99.0	108	P/P	40 - 160
2290583	Perfluoro-1-octane sulfonamide (FOSA)	101	103	P/P	40 - 160
2290583	Perfluoro-3-methoxypropanoic acid (PFMPA)	92.6	92.1	P/P	40 - 160
2290583	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	144	127	P/P	40 - 160
2290583	Perfluoro-4-methoxybutanoic acid (PFMBA)	83.9	74.3	P/P	40 - 160
2290583	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	108	103	P/P	40 - 160
2290583	Perfluorobutanesulfonic acid (PFBS)	108	103	P/P	40 - 160
2290583	Perfluorobutanoic acid (PFBA)	83.2	88.5	P/P	40 - 160
2290583	Perfluorodecanesulfonic acid (PFDS)	125	143	P/P	40 - 160
2290583	Perfluorodecanoic acid (PFDA)	106	103	P/P	40 - 160
2290583	Perfluorododecanoic acid (PFDoA)	120	99.4	P/P	40 - 160
2290583	Perfluoroheptanesulfonic acid (PFHpS)	115	101	P/P	40 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406572

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2290583	Perfluoroheptanoic acid (PFHpA)	97.6	111	P/P	40 - 160
2290583	Perfluorohexanesulfonic acid (PFHxS)	99.7	110	P/P	40 - 160
2290583	Perfluorohexanoic acid (PFHxA)	83.9	100	P/P	40 - 160
2290583	Perfluorononanesulfonic acid (PFNS)	115	122	P/P	40 - 160
2290583	Perfluorononanoic acid (PFNA)	95.8	85.4	P/P	40 - 160
2290583	Perfluorooctanesulfonic acid (PFOS)	126	128	P/P	40 - 160
2290583	Perfluorooctanoic acid (PFOA)	128	142	P/P	40 - 160
2290583	Perfluoropentanesulfonic acid (PFPeS)	69.5	73.6	P/P	40 - 160
2290583	Perfluoropentanoic acid (PFPeA)	110	108	P/P	40 - 160
2290583	Perfluoropropanesulfonic acid (PFPrS)	99.1	112	P/P	40 - 160
2290583	Perfluorotetradecanoic acid (PFTeA)	105	115	P/P	40 - 160
2290583	Perfluorotridecanoic acid (PFTriA)	100	99.8	P/P	40 - 160
2290583	Perfluoroundecanoic acid (PFUnA)	115	101	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406766

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2291112	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	66.9	57.5	P/P	30 - 160
2291112	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	120	99.6	P/P	30 - 160
2291112	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	86.2	84.7	P/P	30 - 160
2291112	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	78.0	89.5	P/P	30 - 160
2291112	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	83.3	83.3	P/P	30 - 160
2291112	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	91.5	98.9	P/P	30 - 160
2291112	Hexafluoropropylene oxide dimer acid (HFPO-DA)	116	99.1	P/P	30 - 160
2291112	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	82.9	83.4	P/P	30 - 160
2291112	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	87.7	83.9	P/P	30 - 160
2291112	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	74.9	67.0	P/P	30 - 160
2291112	Perfluoro-1-butane sulfonamide (FBSA)	156	158	P/P	30 - 160
2291112	Perfluoro-1-hexane sulfonamide (FHxSA)	158	143	P/P	30 - 160
2291112	Perfluoro-1-octane sulfonamide (FOSA)	93.6	85.9	P/P	30 - 160
2291112	Perfluoro-3-methoxypropanoic acid (PFMPA)	115	94.7	P/P	30 - 160
2291112	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	99.4	93.5	P/P	30 - 160
2291112	Perfluoro-4-methoxybutanoic acid (PFMBA)	122	93.5	P/P	30 - 160
2291112	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	94.3	84.0	P/P	30 - 160
2291112	Perfluorobutanesulfonic acid (PFBS)	96.5	89.2	P/P	30 - 160
2291112	Perfluorobutanoic acid (PFBA)	85.7	87.1	P/P	30 - 160
2291112	Perfluorodecanesulfonic acid (PFDS)	81.4	79.3	P/P	30 - 160
2291112	Perfluorodecanoic acid (PFDA)	58.3	55.3	P/P	30 - 160
2291112	Perfluorododecanoic acid (PFDoA)	96.9	79.0	P/P	30 - 160
2291112	Perfluoroheptanesulfonic acid (PFHpS)	84.3	84.1	P/P	30 - 160
2291112	Perfluoroheptanoic acid (PFHpA)	113	91.7	P/P	30 - 160
2291112	Perfluorohexanoic acid (PFHxA)	84.4	67.3	P/P	30 - 160
2291112	Perfluorononanesulfonic acid (PFNS)	93.7	97.8	P/P	30 - 160
2291112	Perfluorononanoic acid (PFNA)	65.9	81.6	P/P	30 - 160
2291112	Perfluoropentanesulfonic acid (PFPeS)	94.5	91.3	P/P	30 - 160
2291112	Perfluoropentanoic acid (PFPeA)	125	99.6	P/P	30 - 160
2291112	Perfluoropropanesulfonic acid (PFPrS)	102	85.0	P/P	30 - 160
2291112	Perfluorotetradecanoic acid (PFTeA)	90.5	94.4	P/P	30 - 160
2291112	Perfluorotridecanoic acid (PFTriA)	95.3	83.2	P/P	30 - 160
2291112	Perfluoroundecanoic acid (PFUnA)	82.4	106	P/P	30 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406811

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2290633	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	112	118	P/P	40 - 160
2290633	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	114	121	P/P	40 - 160
2290633	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	109	105	P/P	40 - 160
2290633	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	85.6	87.4	P/P	40 - 160
2290633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	88.5	91.5	P/P	40 - 160
2290633	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	106	106	P/P	40 - 160
2290633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	97.9	91.3	P/P	40 - 160
2290633	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.9	88.7	P/P	40 - 160
2290633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	64.7	73.3	P/P	40 - 160
2290633	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	59.9	59.1	P/P	40 - 160
2290633	Perfluoro-1-butane sulfonamide (FBSA)	103	103	P/P	40 - 160
2290633	Perfluoro-1-hexane sulfonamide (FHxSA)	89.4	86.5	P/P	40 - 160
2290633	Perfluoro-1-octane sulfonamide (FOSA)	92.8	99.3	P/P	40 - 160
2290633	Perfluoro-3-methoxypropanoic acid (PFMPA)	88.0	72.8	P/P	40 - 160
2290633	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	112	118	P/P	40 - 160
2290633	Perfluoro-4-methoxybutanoic acid (PFMBA)	82.8	87.7	P/P	40 - 160
2290633	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	96.4	102	P/P	40 - 160
2290633	Perfluorobutanesulfonic acid (PFBS)	95.1	103	P/P	40 - 160
2290633	Perfluorobutanoic acid (PFBA)	79.3	99.4	P/P	40 - 160
2290633	Perfluorodecanesulfonic acid (PFDS)	118	123	P/P	40 - 160
2290633	Perfluorodecanoic acid (PFDA)	91.3	86.1	P/P	40 - 160
2290633	Perfluorododecanoic acid (PFDoA)	102	92.2	P/P	40 - 160
2290633	Perfluoroheptanesulfonic acid (PFHpS)	96.3	96.4	P/P	40 - 160
2290633	Perfluoroheptanoic acid (PFHpA)	97.2	95.1	P/P	40 - 160
2290633	Perfluorohexanesulfonic acid (PFHxS)	101	104	P/P	40 - 160
2290633	Perfluorohexanoic acid (PFHxA)	104	92.6	P/P	40 - 160
2290633	Perfluorononanesulfonic acid (PFNS)	108	106	P/P	40 - 160
2290633	Perfluorononanoic acid (PFNA)	78.3	81.3	P/P	40 - 160
2290633	Perfluorooctanesulfonic acid (PFOS)	102	92.6	P/P	40 - 160
2290633	Perfluorooctanoic acid (PFOA)	88.6	116	P/P	40 - 160
2290633	Perfluoropentanesulfonic acid (PFPeS)	100	112	P/P	40 - 160
2290633	Perfluoropentanoic acid (PFPeA)	96.5	105	P/P	40 - 160
2290633	Perfluoropropanesulfonic acid (PFPrS)	99.2	89.8	P/P	40 - 160
2290633	Perfluorotetradecanoic acid (PFTeA)	91.9	90.2	P/P	40 - 160
2290633	Perfluorotridecanoic acid (PFTriA)	114	110	P/P	40 - 160
2290633	Perfluoroundecanoic acid (PFUnA)	91.1	93.8	P/P	40 - 160

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P406570

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2290226	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	11.1	Spike	P	0 - 35
2290226	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	23.5	Spike	P	0 - 35
2290226	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	9.07	Spike	P	0 - 35
2290226	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	7.33	Spike	P	0 - 35
2290226	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.20	Spike	P	0 - 35
2290226	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	10.8	Spike	P	0 - 35
2290226	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13.4	Spike	P	0 - 35
2290226	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	8.60	Spike	P	0 - 35
2290226	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	18.5	Spike	P	0 - 35
2290226	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.65	Spike	P	0 - 35
2290226	Perfluoro-1-butane sulfonamide (FBSA)	5.01	Spike	P	0 - 35
2290226	Perfluoro-1-hexane sulfonamide (FHxSA)	2.89	Spike	P	0 - 35
2290226	Perfluoro-1-octane sulfonamide (FOSA)	1.33	Spike	P	0 - 35
2290226	Perfluoro-3-methoxypropanoic acid (PFMPA)	7.77	Spike	P	0 - 35
2290226	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	6.00	Spike	P	0 - 35
2290226	Perfluoro-4-methoxybutanoic acid (PFMBA)	9.12	Spike	P	0 - 35
2290226	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	2.74	Spike	P	0 - 35
2290226	Perfluorobutanesulfonic acid (PFBS)	5.17	Spike	P	0 - 35
2290226	Perfluorobutanoic acid (PFBA)	8.26	Spike	P	0 - 35
2290226	Perfluorodecanesulfonic acid (PFDS)	15.3	Spike	P	0 - 35
2290226	Perfluorodecanoic acid (PFDA)	9.99	Spike	P	0 - 35
2290226	Perfluorododecanoic acid (PFDoA)	21.7	Spike	P	0 - 35
2290226	Perfluoroheptanesulfonic acid (PFHpS)	4.55	Spike	P	0 - 35
2290226	Perfluoroheptanoic acid (PFHpA)	2.99	Spike	P	0 - 35
2290226	Perfluorohexanesulfonic acid (PFHxS)	0.563	Spike	P	0 - 35
2290226	Perfluorohexanoic acid (PFHxA)	16.4	Spike	P	0 - 35
2290226	Perfluorononanesulfonic acid (PFNS)	5.78	Spike	P	0 - 35
2290226	Perfluorononanoic acid (PFNA)	11.8	Spike	P	0 - 35
2290226	Perfluorooctanesulfonic acid (PFOS)	2.94	Spike	P	0 - 35
2290226	Perfluorooctanoic acid (PFOA)	11.1	Spike	P	0 - 35
2290226	Perfluoropentanesulfonic acid (PFPeS)	17.5	Spike	P	0 - 35
2290226	Perfluoropentanoic acid (PFPeA)	10.7	Spike	P	0 - 35
2290226	Perfluoropropanesulfonic acid (PFPrS)	0.208	Spike	P	0 - 35
2290226	Perfluorotetradecanoic acid (PFTeA)	0.0	Spike	P	0 - 35
2290226	Perfluorotridecanoic acid (PFTriA)	3.33	Spike	P	0 - 35
2290226	Perfluoroundecanoic acid (PFUnA)	26.7	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3
Batch ID: P406571

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2290526	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	8.31	Spike	P	0 - 35
2290526	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	5.38	Spike	P	0 - 35
2290526	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	7.27	Spike	P	0 - 35
2290526	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	9.45	Spike	P	0 - 35
2290526	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	9.53	Spike	P	0 - 35
2290526	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	7.45	Spike	P	0 - 35
2290526	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13.1	Spike	P	0 - 35
2290526	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.19	Spike	P	0 - 35
2290526	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	14.0	Spike	P	0 - 35

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P406571

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2290526	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	12.2	Spike	P	0 - 35
2290526	Perfluoro-1-butane sulfonamide (FBSA)	1.69	Spike	P	0 - 35
2290526	Perfluoro-1-hexane sulfonamide (FHxSA)	0.493	Spike	P	0 - 35
2290526	Perfluoro-1-octane sulfonamide (FOSA)	10.7	Spike	P	0 - 35
2290526	Perfluoro-3-methoxypropanoic acid (PFMPA)	6.49	Spike	P	0 - 35
2290526	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.20	Spike	P	0 - 35
2290526	Perfluoro-4-methoxybutanoic acid (PFMBA)	13.8	Spike	P	0 - 35
2290526	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	7.53	Spike	P	0 - 35
2290526	Perfluorobutanesulfonic acid (PFBS)	1.46	Spike	P	0 - 35
2290526	Perfluorobutanoic acid (PFBA)	1.22	Spike	P	0 - 35
2290526	Perfluorodecanesulfonic acid (PFDS)	4.89	Spike	P	0 - 35
2290526	Perfluorodecanoic acid (PFDA)	3.03	Spike	P	0 - 35
2290526	Perfluorododecanoic acid (PFDoA)	18.0	Spike	P	0 - 35
2290526	Perfluoroheptanesulfonic acid (PFHpS)	3.67	Spike	P	0 - 35
2290526	Perfluoroheptanoic acid (PFHpA)	10.5	Spike	P	0 - 35
2290526	Perfluorohexanesulfonic acid (PFHxS)	4.34	Spike	P	0 - 35
2290526	Perfluorohexanoic acid (PFHxA)	13.1	Spike	P	0 - 35
2290526	Perfluorononanesulfonic acid (PFNS)	4.47	Spike	P	0 - 35
2290526	Perfluorononanoic acid (PFNA)	8.26	Spike	P	0 - 35
2290526	Perfluorooctanesulfonic acid (PFOS)	6.05	Spike	P	0 - 35
2290526	Perfluorooctanoic acid (PFOA)	17.6	Spike	P	0 - 35
2290526	Perfluoropentanesulfonic acid (PFPeS)	10.7	Spike	P	0 - 35
2290526	Perfluoropentanoic acid (PFPeA)	1.07	Spike	P	0 - 35
2290526	Perfluoropropanesulfonic acid (PFPrS)	2.87	Spike	P	0 - 35
2290526	Perfluorotetradecanoic acid (PFTeA)	20.0	Spike	P	0 - 35
2290526	Perfluorotridecanoic acid (PFTriA)	12.9	Spike	P	0 - 35
2290526	Perfluoroundecanoic acid (PFUnA)	17.8	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3
Batch ID: P406572

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2290583	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	17.4	Spike	P	0 - 35
2290583	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	9.75	Spike	P	0 - 35
2290583	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	17.1	Spike	P	0 - 35
2290583	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.94	Spike	P	0 - 35
2290583	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	17.3	Spike	P	0 - 35
2290583	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.18	Spike	P	0 - 35
2290583	Hexafluoropropylene oxide dimer acid (HFPO-DA)	14.5	Spike	P	0 - 35
2290583	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.44	Spike	P	0 - 35
2290583	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	18.5	Spike	P	0 - 35
2290583	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.79	Spike	P	0 - 35
2290583	Perfluoro-1-butane sulfonamide (FBSA)	16.5	Spike	P	0 - 35
2290583	Perfluoro-1-hexane sulfonamide (FHxSA)	8.60	Spike	P	0 - 35
2290583	Perfluoro-1-octane sulfonamide (FOSA)	1.97	Spike	P	0 - 35
2290583	Perfluoro-3-methoxypropanoic acid (PFMPA)	0.541	Spike	P	0 - 35
2290583	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	12.7	Spike	P	0 - 35
2290583	Perfluoro-4-methoxybutanoic acid (PFMBA)	12.1	Spike	P	0 - 35
2290583	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.37	Spike	P	0 - 35
2290583	Perfluorobutanesulfonic acid (PFBS)	4.81	Spike	P	0 - 35

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P406572

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2290583	Perfluorobutanoic acid (PFBA)	6.17	Spike	P	0 - 35
2290583	Perfluorodecanesulfonic acid (PFDS)	12.9	Spike	P	0 - 35
2290583	Perfluorodecanoic acid (PFDA)	3.26	Spike	P	0 - 35
2290583	Perfluorododecanoic acid (PFDoA)	18.9	Spike	P	0 - 35
2290583	Perfluoroheptanesulfonic acid (PFHpS)	12.8	Spike	P	0 - 35
2290583	Perfluoroheptanoic acid (PFHpA)	12.8	Spike	P	0 - 35
2290583	Perfluorohexanesulfonic acid (PFHxS)	7.56	Spike	P	0 - 35
2290583	Perfluorohexanoic acid (PFHxA)	17.6	Spike	P	0 - 35
2290583	Perfluorononanesulfonic acid (PFNS)	5.40	Spike	P	0 - 35
2290583	Perfluorononanoic acid (PFNA)	11.5	Spike	P	0 - 35
2290583	Perfluorooctanesulfonic acid (PFOS)	1.10	Spike	P	0 - 35
2290583	Perfluorooctanoic acid (PFOA)	10.2	Spike	P	0 - 35
2290583	Perfluoropentanesulfonic acid (PFPeS)	5.73	Spike	P	0 - 35
2290583	Perfluoropentanoic acid (PFPeA)	1.74	Spike	P	0 - 35
2290583	Perfluoropropanesulfonic acid (PFPrS)	12.4	Spike	P	0 - 35
2290583	Perfluorotetradecanoic acid (PFTeA)	8.80	Spike	P	0 - 35
2290583	Perfluorotridecanoic acid (PFTriA)	0.599	Spike	P	0 - 35
2290583	Perfluoroundecanoic acid (PFUnA)	11.1	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3
Batch ID: P406766

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2291112	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	15.1	Spike	P	0 - 30
2291112	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	18.5	Spike	P	0 - 30
2291112	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	1.76	Spike	P	0 - 30
2291112	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	13.7	Spike	P	0 - 30
2291112	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.0	Spike	P	0 - 30
2291112	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	7.77	Spike	P	0 - 30
2291112	Hexafluoropropylene oxide dimer acid (HFPO-DA)	15.9	Spike	P	0 - 30
2291112	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.601	Spike	P	0 - 30
2291112	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.43	Spike	P	0 - 30
2291112	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	11.1	Spike	P	0 - 30
2291112	Perfluoro-1-butane sulfonamide (FBSA)	0.983	Spike	P	0 - 30
2291112	Perfluoro-1-hexane sulfonamide (FHxSA)	9.13	Spike	P	0 - 30
2291112	Perfluoro-1-octane sulfonamide (FOSA)	8.58	Spike	P	0 - 30
2291112	Perfluoro-3-methoxypropanoic acid (PFMPA)	19.7	Spike	P	0 - 30
2291112	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	6.12	Spike	P	0 - 30
2291112	Perfluoro-4-methoxybutanoic acid (PFMBA)	26.5	Spike	P	0 - 30
2291112	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	11.6	Spike	P	0 - 30
2291112	Perfluorobutanesulfonic acid (PFBS)	6.12	Spike	P	0 - 30
2291112	Perfluorobutanoic acid (PFBA)	0.956	Spike	P	0 - 30
2291112	Perfluorodecanesulfonic acid (PFDS)	2.61	Spike	P	0 - 30
2291112	Perfluorodecanoic acid (PFDA)	2.73	Spike	P	0 - 30
2291112	Perfluorododecanoic acid (PFDoA)	20.4	Spike	P	0 - 30
2291112	Perfluoroheptanesulfonic acid (PFHpS)	0.185	Spike	P	0 - 30
2291112	Perfluoroheptanoic acid (PFHpA)	10.8	Spike	P	0 - 30
2291112	Perfluorohexanesulfonic acid (PFHxS)	7.40	Spike	P	0 - 30
2291112	Perfluorohexanoic acid (PFHxA)	7.38	Spike	P	0 - 30
2291112	Perfluorononanesulfonic acid (PFNS)	4.28	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P406766

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2291112	Perfluorononanoic acid (PFNA)	15.7	Spike	P	0 - 30
2291112	Perfluorooctanesulfonic acid (PFOS)	0.637	Spike	P	0 - 30
2291112	Perfluorooctanoic acid (PFOA)	6.79	Spike	P	0 - 30
2291112	Perfluoropentanesulfonic acid (PFPeS)	2.86	Spike	P	0 - 30
2291112	Perfluoropentanoic acid (PFPeA)	9.31	Spike	P	0 - 30
2291112	Perfluoropropanesulfonic acid (PFPrS)	18.6	Spike	P	0 - 30
2291112	Perfluorotetradecanoic acid (PFTeA)	4.22	Spike	P	0 - 30
2291112	Perfluorotridecanoic acid (PFTriA)	13.6	Spike	P	0 - 30
2291112	Perfluoroundecanoic acid (PFUnA)	24.7	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3
Batch ID: P406811

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2290633	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	5.40	Spike	P	0 - 35
2290633	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	5.62	Spike	P	0 - 35
2290633	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	3.27	Spike	P	0 - 35
2290633	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.08	Spike	P	0 - 35
2290633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.33	Spike	P	0 - 35
2290633	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.283	Spike	P	0 - 35
2290633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	6.98	Spike	P	0 - 35
2290633	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.63	Spike	P	0 - 35
2290633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	12.5	Spike	P	0 - 35
2290633	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.34	Spike	P	0 - 35
2290633	Perfluoro-1-butane sulfonamide (FBSA)	0.583	Spike	P	0 - 35
2290633	Perfluoro-1-hexane sulfonamide (FHxSA)	3.30	Spike	P	0 - 35
2290633	Perfluoro-1-octane sulfonamide (FOSA)	6.77	Spike	P	0 - 35
2290633	Perfluoro-3-methoxypropanoic acid (PFMPA)	18.9	Spike	P	0 - 35
2290633	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	5.05	Spike	P	0 - 35
2290633	Perfluoro-4-methoxybutanoic acid (PFMBA)	5.75	Spike	P	0 - 35
2290633	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	5.15	Spike	P	0 - 35
2290633	Perfluorobutanesulfonic acid (PFBS)	7.59	Spike	P	0 - 35
2290633	Perfluorobutanoic acid (PFBA)	22.5	Spike	P	0 - 35
2290633	Perfluorodecanesulfonic acid (PFDS)	3.48	Spike	P	0 - 35
2290633	Perfluorodecanoic acid (PFDA)	5.86	Spike	P	0 - 35
2290633	Perfluorododecanoic acid (PFDoA)	10.4	Spike	P	0 - 35
2290633	Perfluoroheptanesulfonic acid (PFHpS)	0.104	Spike	P	0 - 35
2290633	Perfluoroheptanoic acid (PFHpA)	2.18	Spike	P	0 - 35
2290633	Perfluorohexanesulfonic acid (PFHxS)	2.73	Spike	P	0 - 35
2290633	Perfluorohexanoic acid (PFHxA)	11.5	Spike	P	0 - 35
2290633	Perfluorononanesulfonic acid (PFNS)	1.78	Spike	P	0 - 35
2290633	Perfluorononanoic acid (PFNA)	3.76	Spike	P	0 - 35
2290633	Perfluorooctanesulfonic acid (PFOS)	7.00	Spike	P	0 - 35
2290633	Perfluorooctanoic acid (PFOA)	26.9	Spike	P	0 - 35
2290633	Perfluoropentanesulfonic acid (PFPeS)	11.2	Spike	P	0 - 35
2290633	Perfluoropentanoic acid (PFPeA)	8.63	Spike	P	0 - 35
2290633	Perfluoropropanesulfonic acid (PFPrS)	9.95	Spike	P	0 - 35
2290633	Perfluorotetradecanoic acid (PFTeA)	1.87	Spike	P	0 - 35
2290633	Perfluorotridecanoic acid (PFTriA)	3.38	Spike	P	0 - 35
2290633	Perfluoroundecanoic acid (PFUnA)	2.92	Spike	P	0 - 35

Quality Assurance Report
Precision

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report
Surrogates

Lab Sample ID: 2290499
Field Sample ID: DEPSB-20-0.5

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	Perfluorobutanesulfonate-13C	94.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	151	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	99.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	98.0	P	30 - 160

Lab Sample ID: 2290500
Field Sample ID: DEPSB-20-1.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	68.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	97.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.0	P	30 - 160

Lab Sample ID: 2290501
Field Sample ID: DEPSB-21-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	62.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	67.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	110	P	30 - 160

Lab Sample ID: 2290502
Field Sample ID: DEPSB-21-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	76.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	95.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	123	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	95.2	P	30 - 160

Lab Sample ID: 2290503
Field Sample ID: DEPSB-22-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	95.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	94.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	81.5	P	30 - 160

Lab Sample ID: 2290504
Field Sample ID: DEPSB-22-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	87.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	95.0	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2290504
Field Sample ID: DEPSB-22-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	159	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	53.7	P	30 - 160

Lab Sample ID: 2290505
Field Sample ID: DEPSB-23-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	66.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	92.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	86.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	72.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	68.7	P	30 - 160

Lab Sample ID: 2290506
Field Sample ID: DEPSB-23-2.0

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	Perfluorobutanesulfonate-13C	96.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	82.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	95.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	106	P	30 - 160

Lab Sample ID: 2290518
Field Sample ID: DEPSB-24-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	95.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.0	P	30 - 160

Lab Sample ID: 2290519
Field Sample ID: DEPSB-24-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	94.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	92.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	96.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.3	P	30 - 160

Lab Sample ID: 2290520
Field Sample ID: DEPSB-25-0.5

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	Perfluorobutanesulfonate-13C	96.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	79.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	91.2	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2290520
Field Sample ID: DEPSB-25-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	105	P	30 - 160

Lab Sample ID: 2290521
Field Sample ID: DEPSB-25-1.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	66.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	94.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	84.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.6	P	30 - 160

Lab Sample ID: 2290522
Field Sample ID: DEPSB-26-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	78.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	78.8	P	30 - 160

Lab Sample ID: 2290523
Field Sample ID: DEPSB-26-1.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	93.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	88.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	109	P	30 - 160

Lab Sample ID: 2290524
Field Sample ID: DEPSB-27-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	75.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	93.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	91.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.7	P	30 - 160

Lab Sample ID: 2290525
Field Sample ID: DEPSB-27-1.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	68.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	93.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	100	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2290526
Field Sample ID: DEPSB-28-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	53.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	88.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	57.1	P	30 - 160

Lab Sample ID: 2290527
Field Sample ID: DEPSB-28-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	62.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	80.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	66.9	P	30 - 160

Lab Sample ID: 2290528
Field Sample ID: DEPSB-29-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	80.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	93.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	97.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.6	P	30 - 160

Lab Sample ID: 2290529
Field Sample ID: DEPSB-29-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	75.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	94.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	86.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	97.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.2	P	30 - 160

Lab Sample ID: 2290530
Field Sample ID: DEPSB-30-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	60.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	97.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	91.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	95.4	P	30 - 160

Lab Sample ID: 2290531
Field Sample ID: DEPSB-30-1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	97.7	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2290531
Field Sample ID: DEPSB-30-1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	87.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	96.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	104	P	30 - 160

Lab Sample ID: 2290532
Field Sample ID: DEPSB-31-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	154	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.2	P	30 - 160

Lab Sample ID: 2290533
Field Sample ID: DEPSB-31-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	76.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	91.3	P	30 - 160

Lab Sample ID: 2290537
Field Sample ID: EQB-HA-1

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	75.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	90.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.3	P	30 - 160

Lab Sample ID: 2290538
Field Sample ID: EQB-HA-2

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	81.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	85.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	95.2	P	30 - 160

Lab Sample ID: 2290539
Field Sample ID: EQB-HA-3

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	81.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	93.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	120	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	107	P	30 - 160

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Lab Sample ID: 2290539
Field Sample ID: EQB-HA-3

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.7	P	30 - 160

Lab Sample ID: 2290559
Field Sample ID: DEPSB-1-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	76.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	159	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	91.8	P	30 - 160

Lab Sample ID: 2290560
Field Sample ID: DEPSB-1-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	68.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	59.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	62.5	P	30 - 160

Lab Sample ID: 2290561
Field Sample ID: DEPSB-2-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	75.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	97.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	149	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.5	P	30 - 160

Lab Sample ID: 2290562
Field Sample ID: DEPSB-2-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	64.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	128	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	94.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	78.9	P	30 - 160

Lab Sample ID: 2290563
Field Sample ID: DEPSB-3-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	55.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	87.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	92.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	68.4	P	30 - 160

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Lab Sample ID: 2290564
Field Sample ID: DEPSB-3-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	80.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	160	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.2	P	30 - 160

Lab Sample ID: 2290565
Field Sample ID: DEPSB-4-0.5

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	Perfluorobutanesulfonate-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	126	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	90.4	P	30 - 160

Lab Sample ID: 2290566
Field Sample ID: DEPSB-4-1.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	55.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	98.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	61.4	P	30 - 160

Lab Sample ID: 2290567
Field Sample ID: DEPSB-5-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	71.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	158	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	146	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	160	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	96.3	P	30 - 160

Lab Sample ID: 2290568
Field Sample ID: DEPSB-5-1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	71.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.3	P	30 - 160

Lab Sample ID: 2290569
Field Sample ID: DEPSB-6-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	59.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	52.3	P	30 - 160

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Lab Sample ID: 2290569
Field Sample ID: DEPSB-6-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	96.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	57.7	P	30 - 160

Lab Sample ID: 2290570
Field Sample ID: DEPSB-6-1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	70.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	78.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.9	P	30 - 160

Lab Sample ID: 2290583
Field Sample ID: DEPSB-7-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	67.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	90.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	90.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	66.1	P	30 - 160

Lab Sample ID: 2290584
Field Sample ID: DEPSB-7-1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	57.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	93.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	64.2	P	30 - 160

Lab Sample ID: 2290585
Field Sample ID: DEPSB-8-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.1	P	30 - 160

Lab Sample ID: 2290586
Field Sample ID: DEPSB-8-1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	69.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	55.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	89.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	95.2	P	30 - 160

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Lab Sample ID: 2290586
Field Sample ID: DEPSB-8-1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	82.0	P	30 - 160

Lab Sample ID: 2290587
Field Sample ID: DEPSB-9-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	86.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	96.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	89.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.7	P	30 - 160

Lab Sample ID: 2290588
Field Sample ID: DEPSB-9-1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	81.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	76.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	75.6	P	30 - 160

Lab Sample ID: 2290589
Field Sample ID: DEPSB-10-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	84.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	96.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	94.2	P	30 - 160

Lab Sample ID: 2290590
Field Sample ID: DEPSB-10-1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	69.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	92.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	97.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.0	P	30 - 160

Lab Sample ID: 2290591
Field Sample ID: DEPSB-11-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	92.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	89.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.7	P	30 - 160

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Lab Sample ID: 2290592
Field Sample ID: DEPSB-12-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	76.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	93.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	89.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	90.2	P	30 - 160

Lab Sample ID: 2290593
Field Sample ID: DEPSB-12-1.0

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	Perfluorobutanesulfonate-13C	52.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	75.0	P	30 - 160

Lab Sample ID: 2290594
Field Sample ID: DEPSB-11-1.0

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	Perfluorobutanesulfonate-13C	58.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	84.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.9	P	30 - 160

Lab Sample ID: 2290617
Field Sample ID: DEPSB-13-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	64.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	55.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	94.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	66.1	P	30 - 160

Lab Sample ID: 2290618
Field Sample ID: DEPSB-13-1.25

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	70.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	59.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	97.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	96.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.7	P	30 - 160

Lab Sample ID: 2290619
Field Sample ID: DEPSB-14-0.5

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	Perfluorobutanesulfonate-13C	80.6	P	30 - 160

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Lab Sample ID: 2290619
Field Sample ID: DEPSB-14-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.5	P	30 - 160

Lab Sample ID: 2290620
Field Sample ID: DEPSB-14-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	87.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.5	P	30 - 160

Lab Sample ID: 2290621
Field Sample ID: DEPSB-15-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	61.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	68.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	73.4	P	30 - 160

Lab Sample ID: 2290622
Field Sample ID: DEPSB-15-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	68.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	145	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	92.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	153	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	76.2	P	30 - 160

Lab Sample ID: 2290623
Field Sample ID: DEPSB-16-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	79.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	66.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	87.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	74.2	P	30 - 160

Lab Sample ID: 2290624
Field Sample ID: DEPSB-16-1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	70.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	75.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	105	P	30 - 160

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Lab Sample ID: 2290624
Field Sample ID: DEPSB-16-1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	77.2	P	30 - 160

Lab Sample ID: 2290633
Field Sample ID: DEPSB-17-0.5

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	Perfluorobutanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	94.3	P	30 - 160

Lab Sample ID: 2290634
Field Sample ID: DEPSB-17-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	94.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	97.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	90.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	94.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	90.1	P	30 - 160

Lab Sample ID: 2290635
Field Sample ID: DEPSB-18-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	87.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	97.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.2	P	30 - 160

Lab Sample ID: 2290636
Field Sample ID: DEPSB-18-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	79.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	94.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	94.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	76.1	P	30 - 160

Lab Sample ID: 2290641
Field Sample ID: DEPSB-19-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	89.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	92.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	94.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	98.8	P	30 - 160

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Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109077

Included Lab Sample IDs: 2290499, 2290500, 2290501, 2290502, 2290503, 2290504, 2290505, 2290506, 2290518, 2290519, 2290520, 2290521, 2290522, 2290523, 2290524, 2290525, 2290526, 2290527, 2290528, 2290529, 2290530, 2290531, 2290532, 2290533, 2290559, 2290560, 2290561, 2290562, 2290563, 2290564, 2290565, 2290566, 2290567, 2290568, 2290569, 2290570

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	108	109	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	109	114	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	111	129	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	114	111	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	119	108	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	129	111	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	109	114	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	114	136	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	114	146	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	119	114	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	136	117	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	146	109	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	100	96.0	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	113	88.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	83.8	93.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	88.4	83.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	91.4	113	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	93.3	100	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	101	93.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	78.2	89.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	81.9	78.2	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	82.4	81.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	89.4	101	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	93.9	93.7	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	77.7	86.1	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	81.4	77.7	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	86.1	86.5	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	86.5	97.8	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	90.8	81.4	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	97.8	94.2	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	102	108	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	104	98.0	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	106	108	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	108	104	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	108	98.6	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	98.6	106	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	101	101	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	101	66.4	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	66.4	87.0	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	91.0	91.8	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	91.8	101	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	93.4	91.0	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	108	94.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	82.7	88.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	86.2	88.6	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	88.6	82.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	91.0	108	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	94.2	86.2	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	66.6	81.2	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109077

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Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	75.9	92.2	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	82.0	75.9	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	84.7	82.0	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	86.7	84.7	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	92.2	66.6	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	62.4	70.2	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	64.4	71.8	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	70.2	63.1	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	71.0	78.0	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	71.8	62.4	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	78.0	64.4	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	107	109	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	109	65.6	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	122	121	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	133	107	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	135	133	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	65.6	122	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	110	99.5	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	120	96.0	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	121	120	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	95.5	97.4	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	96.0	95.5	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	97.4	110	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	99.5	92.3	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	87.0	88.5	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	88.3	90.4	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	88.5	91.2	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	90.4	88.4	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	91.2	88.3	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	92.4	87.0	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	117	97.8	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	88.4	93.1	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	89.1	117	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	90.9	89.1	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	93.1	90.9	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	97.8	91.8	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	108	111	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	111	96.4	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	113	108	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	116	113	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	96.4	100	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	99.8	116	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	101	86.0	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	61.8	101	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	83.6	61.8	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	88.2	90.0	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	90.0	94.2	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	94.2	83.6	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	89.6	97.2	P/P	60 - 160

Quality Assurance Report
Calibration Verification

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Run ID: A109077

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Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	94.0	94.2	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	94.2	89.6	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	95.0	95.9	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	95.9	95.0	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	97.2	95.0	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	88.0	89.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	88.4	95.6	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	90.3	88.4	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	91.1	90.3	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	95.6	96.7	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	96.7	88.0	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	78.2	80.1	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	80.1	97.9	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	80.3	81.0	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	80.4	80.7	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	81.0	78.2	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	97.9	80.4	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	119	120	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	120	121	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	120	126	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	121	119	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	122	120	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	126	117	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	105	95.8	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	85.7	90.4	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	87.4	88.7	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	88.7	85.7	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	90.4	97.3	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	95.8	87.4	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	104	109	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	109	123	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	123	92.9	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	143	104	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	89.8	97.4	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	92.9	89.8	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	80.5	82.3	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	86.3	94.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	87.7	92.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	92.4	94.5	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	94.4	80.5	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	94.5	86.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	66.7	84.9	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	77.1	78.1	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	78.1	84.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	84.3	66.7	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	84.9	91.8	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	87.9	77.1	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	102	95.4	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	106	110	P/P	60 - 160

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Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorohexanesulfonic acid (PFHxS)	110	97.6	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	94.2	106	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	95.4	103	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	97.6	102	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	102	91.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	83.9	102	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	91.4	96.0	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	91.5	83.9	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	96.0	97.8	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	97.8	79.4	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	101	104	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	102	105	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	104	102	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	105	99.7	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	89.0	89.3	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	89.3	101	P/P	60 - 160
Perfluorononanoic acid (PFNA)	71.9	78.3	P/P	60 - 160
Perfluorononanoic acid (PFNA)	76.7	81.9	P/P	60 - 160
Perfluorononanoic acid (PFNA)	78.3	76.7	P/P	60 - 160
Perfluorononanoic acid (PFNA)	81.9	82.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	82.1	85.8	P/P	60 - 160
Perfluorononanoic acid (PFNA)	83.5	71.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	100	96.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	100	100	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	107	96.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	108	100	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	96.7	107	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	96.7	99.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	99.3	107	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	103	95.0	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	105	122	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	106	119	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	119	103	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	122	99.5	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	95.0	105	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	101	95.4	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	120	101	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	73.0	92.1	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	92.1	96.1	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	96.1	120	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	97.2	73.0	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	84.1	90.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	84.9	93.6	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	90.5	90.7	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	90.7	84.4	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	93.6	97.2	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	97.2	84.1	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	106	116	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	114	97.7	P/P	60 - 160

Quality Assurance Report
Calibration Verification

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Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoropropanesulfonic acid (PFPrS)	116	114	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	144	78.1	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	78.1	84.4	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	97.7	144	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	102	104	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	103	97.7	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	104	99.8	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	104	103	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	106	102	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	97.7	106	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	101	155	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	150	158	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	153	101	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	155	150	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	158	157	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	101	91.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	108	86.6	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	113	101	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	81.0	113	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	86.6	99.1	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	93.0	108	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	99.1	81.0	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3

Run ID: A109093

Included Lab Sample IDs: 2290583, 2290584, 2290585, 2290586, 2290587, 2290588, 2290589, 2290590, 2290591, 2290592, 2290593, 2290594, 2290617, 2290618, 2290619, 2290620, 2290621, 2290622, 2290623, 2290624

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	101	109	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	109	106	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	109	109	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	102	113	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	113	129	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	129	129	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	121	94.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	90.1	108	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	94.3	90.1	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	71.7	90.7	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	75.1	86.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	86.6	71.7	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	62.7	93.9	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	92.9	91.5	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	93.9	92.9	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	103	97.7	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	107	102	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	97.7	107	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	110	109	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	81.6	99.3	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	99.3	110	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109093

Included Lab Sample IDs: 2290583, 2290584, 2290585, 2290586, 2290587, 2290588, 2290589, 2290590, 2290591, 2290592, 2290593, 2290594, 2290617, 2290618, 2290619, 2290620, 2290621, 2290622, 2290623, 2290624

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	83.0	87.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	84.9	83.0	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	98.1	84.9	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	70.3	80.2	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	80.2	70.3	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	80.2	78.0	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	119	70.3	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	70.3	79.7	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	79.7	63.3	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	109	75.4	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	117	109	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	75.4	92.8	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	70.8	92.3	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	92.3	94.7	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	94.7	96.8	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	85.1	92.0	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	92.0	93.5	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	92.4	85.1	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	86.4	87.5	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	89.3	89.6	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	89.6	86.4	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	102	113	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	112	102	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	113	107	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	62.1	85.4	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	83.7	94.3	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	94.3	62.1	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	123	112	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	89.4	123	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	89.9	89.4	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	90.6	95.3	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	92.5	90.6	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	95.3	94.1	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	79.4	81.9	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	81.9	84.1	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	84.1	81.5	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	115	123	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	120	115	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	123	119	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	87.2	96.0	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	92.4	89.7	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	96.0	92.4	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	105	107	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	107	101	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	90.3	105	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	87.8	90.3	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	90.3	89.5	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	92.8	87.8	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	79.6	78.9	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	91.3	79.6	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A109093
Included Lab Sample IDs: 2290583, 2290584, 2290585, 2290586, 2290587, 2290588, 2290589, 2290590, 2290591, 2290592, 2290593, 2290594, 2290617, 2290618, 2290619, 2290620, 2290621, 2290622, 2290623, 2290624

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoroheptanoic acid (PFHpA)	94.7	91.3	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	102	94.8	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	90.7	102	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	93.9	90.7	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	91.0	97.3	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	97.3	97.5	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	97.6	91.0	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	104	100	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	98.5	99.0	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	99.0	104	P/P	60 - 160
Perfluorononanoic acid (PFNA)	70.4	81.5	P/P	60 - 160
Perfluorononanoic acid (PFNA)	81.5	77.7	P/P	60 - 160
Perfluorononanoic acid (PFNA)	82.8	70.4	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	102	100	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	108	96.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	96.3	102	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	101	107	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	114	99.0	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	99.0	101	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	103	150	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	150	151	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	98.9	103	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	72.5	66.4	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	85.4	72.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	91.7	85.4	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	148	148	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	91.7	97.3	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	97.3	148	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	103	93.1	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	92.3	94.1	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	94.1	103	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	84.0	86.2	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	86.2	91.1	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	91.1	84.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	105	95.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	112	105	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	95.9	98.1	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A109187
Included Lab Sample IDs: 2290633, 2290634, 2290635, 2290636, 2290641

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	101	99.5	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	99.5	101	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	104	108	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	112	104	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	103	88.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	88.6	80.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	77.0	65.5	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A109187
Included Lab Sample IDs: 2290633, 2290634, 2290635, 2290636, 2290641

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	81.5	77.0	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	129	82.4	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	82.4	86.9	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	121	97.6	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	97.6	99.7	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	79.0	86.1	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	95.7	79.0	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	78.4	92.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.2	72.9	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	63.4	74.4	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	74.4	79.2	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	62.0	83.6	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	94.0	62.0	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	156	106	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	92.5	98.6	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	134	93.9	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	83.5	93.4	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	85.8	89.4	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	89.4	90.4	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	115	85.5	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	93.0	115	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	106	101	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	108	106	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	120	88.9	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	91.3	120	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	83.8	88.3	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	90.5	83.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	88.7	93.1	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	90.8	88.7	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	72.0	74.4	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	74.4	79.8	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	112	111	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	121	112	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	86.0	90.2	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	90.2	82.8	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	110	90.4	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	90.4	102	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	96.2	93.0	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	99.8	96.2	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	80.4	89.6	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	97.3	80.4	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	86.8	92.1	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	92.1	87.0	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	108	83.2	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	83.2	80.2	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	134	95.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	95.8	98.7	P/P	60 - 160
Perfluorononanoic acid (PFNA)	78.3	79.4	P/P	60 - 160
Perfluorononanoic acid (PFNA)	79.4	78.2	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	102	92.1	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	126	102	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A109187
Included Lab Sample IDs: 2290633, 2290634, 2290635, 2290636, 2290641

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorooctanoic acid (PFOA)	86.7	103	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	95.1	86.7	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	86.9	94.3	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	89.1	86.9	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	93.4	94.0	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	94.0	91.3	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	121	85.0	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	85.0	106	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	81.7	90.0	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	84.0	81.7	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	83.1	77.6	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	87.3	108	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	89.5	83.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	94.1	89.5	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A109288
Included Lab Sample IDs: 2290537, 2290538, 2290539

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	102	106	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	138	130	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	95.1	77.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	75.5	92.9	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	108	94.8	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	107	103	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	91.4	95.4	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	85.6	83.3	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	76.2	83.4	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	82.0	82.9	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	102	98.7	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	93.4	88.0	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	96.5	90.8	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	61.0	62.3	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	94.3	97.8	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	88.6	80.4	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	97.6	99.1	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	84.9	89.9	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	109	96.2	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	119	118	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	81.6	99.9	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	91.0	113	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	84.3	82.1	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	82.7	80.6	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	92.2	86.9	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	83.8	98.2	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	102	101	P/P	60 - 160
Perfluorononanoic acid (PFNA)	83.1	80.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	97.3	90.8	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	105	100	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	110	116	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A109288
Included Lab Sample IDs: 2290537, 2290538, 2290539

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoropentanoic acid (PFPeA)	87.3	88.9	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	92.9	106	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	91.0	68.9	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	75.7	74.4	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	88.0	81.7	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		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	111	90.2	101			11.1
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	118	118	128			8.31
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	125	128	153			17.4
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	87.9	66.9	57.5			15.1
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	117	112	118			5.40
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	117	118	150			23.5
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	118	138	130			5.38
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	140	144	131			9.75
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	105	120	99.6			18.5
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	130	114	121			5.62
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	106	107	97.9			9.07
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	96.3	111	120			7.27
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	128	102	121			17.1
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	105	86.2	84.7			1.76
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	92.8	109	105			3.27
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	79.2	84.8	78.8			7.33
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	78.7	80.9	73.6			9.45
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	91.7	98.7	96.8			1.94
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	75.0	78.0	89.5			13.7
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	84.8	85.6	87.4			2.08
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	84.5	89.0	86.2			3.20
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	96.0	83.9	92.3			9.53
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	80.9	79.4	94.4			17.3
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.1	83.3	83.3			0.0
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	79.2	88.5	91.5			3.33
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	110	101	113			10.8
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	110	106	114			7.45
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	118	118	120			2.18
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	95.6	91.5	98.9			7.77
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	120	106	106			0.283

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid (HFPO-DA)	89.0	89.7	103			13.4
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	105	100	88.1			13.1
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	89.0	91.3	106			14.5
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	78.4	116	99.1			15.9
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	87.0	97.9	91.3			6.98
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	102	98.2	90.1			8.60
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	93.0	85.8	87.7			2.19
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	116	94.4	89.4			5.44
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	72.9	82.9	83.4			0.601
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.0	92.9	88.7			4.63
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	83.9	74.9	90.2			18.5
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	86.7	66.0	75.9			14.0
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	101	76.1	91.6			18.5
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	67.3	87.7	83.9			4.43
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	82.3	64.7	73.3			12.5
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	80.7	64.9	63.2			2.65
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	61.5	56.5	50.0			12.2
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	87.3	74.8	68.5			8.79
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	58.5	74.9	67.0			11.1
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	64.5	59.9	59.1			1.34
	Perfluoro-1-butane sulfonamide (FBSA)	108	109	115			5.01
	Perfluoro-1-butane sulfonamide (FBSA)	113	70.5	71.7			1.69
	Perfluoro-1-butane sulfonamide (FBSA)	77.6	110	130			16.5
	Perfluoro-1-butane sulfonamide (FBSA)	149	156	158			0.983
	Perfluoro-1-butane sulfonamide (FBSA)	99.1	103	103			0.583

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoro-1-hexane sulfonamide (FHxSA)	96.4	95.4	98.2			2.89
	Perfluoro-1-hexane sulfonamide (FHxSA)	97.8	101	102			0.493
	Perfluoro-1-hexane sulfonamide (FHxSA)	105	99.0	108			8.60
	Perfluoro-1-hexane sulfonamide (FHxSA)	133	158	143			9.13
	Perfluoro-1-hexane sulfonamide (FHxSA)	85.5	89.4	86.5			3.30
	Perfluoro-1-octane sulfonamide (FOSA)	90.0	89.6	90.8			1.33
	Perfluoro-1-octane sulfonamide (FOSA)	93.2	84.3	93.8			10.7
	Perfluoro-1-octane sulfonamide (FOSA)	104	101	103			1.97
	Perfluoro-1-octane sulfonamide (FOSA)	89.4	93.6	85.9			8.58
	Perfluoro-1-octane sulfonamide (FOSA)	94.5	92.8	99.3			6.77
	Perfluoro-3-methoxypropanoic acid (PFMPA)	87.9	94.9	87.8			7.77
	Perfluoro-3-methoxypropanoic acid (PFMPA)	89.7	83.5	89.1			6.49
	Perfluoro-3-methoxypropanoic acid (PFMPA)	95.2	92.6	92.1			0.541
	Perfluoro-3-methoxypropanoic acid (PFMPA)	90.1	115	94.7			19.7
	Perfluoro-3-methoxypropanoic acid (PFMPA)	113	88.0	72.8			18.9
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	110	112	118			6.00
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	112	102	107			4.20
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	152	144	127			12.7
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	101	99.4	93.5			6.12
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	112	112	118			5.05
	Perfluoro-4-methoxybutanoic acid (PFMBA)	86.3	89.4	81.6			9.12
	Perfluoro-4-methoxybutanoic acid (PFMBA)	89.6	88.3	76.9			13.8
	Perfluoro-4-methoxybutanoic acid (PFMBA)	95.4	83.9	74.3			12.1
	Perfluoro-4-methoxybutanoic acid (PFMBA)	89.2	122	93.5			26.5
	Perfluoro-4-methoxybutanoic acid (PFMBA)	118	82.8	87.7			5.75
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	98.7	104	107			2.74
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	104	53.7	57.9			7.53
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	114	108	103			4.37
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	91.7	94.3	84.0			11.6
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	105	96.4	102			5.15

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	102	102	107			5.17
	Perfluorobutanesulfonic acid (PFBS)	100	95.0	96.4			1.46
	Perfluorobutanesulfonic acid (PFBS)	109	108	103			4.81
	Perfluorobutanesulfonic acid (PFBS)	88.5	96.5	89.2			6.12
	Perfluorobutanesulfonic acid (PFBS)	105	95.1	103			7.59
	Perfluorobutanoic acid (PFBA)	79.5	81.9	75.4			8.26
	Perfluorobutanoic acid (PFBA)	81.5	89.5	90.6			1.22
	Perfluorobutanoic acid (PFBA)	84.0	83.2	88.5			6.17
	Perfluorobutanoic acid (PFBA)	90.1	85.7	87.1			0.956
	Perfluorobutanoic acid (PFBA)	75.6	79.3	99.4			22.5
	Perfluorodecanesulfonic acid (PFDS)	124	123	106			15.3
	Perfluorodecanesulfonic acid (PFDS)	124	122	128			4.89
	Perfluorodecanesulfonic acid (PFDS)	131	125	143			12.9
	Perfluorodecanesulfonic acid (PFDS)	112	81.4	79.3			2.61
	Perfluorodecanesulfonic acid (PFDS)	120	118	123			3.48
	Perfluorodecanoic acid (PFDA)	81.2	116	105			9.99
	Perfluorodecanoic acid (PFDA)	107	80.0	76.5			3.03
	Perfluorodecanoic acid (PFDA)	93.9	106	103			3.26
	Perfluorodecanoic acid (PFDA)	69.1	58.3	55.3			2.73
	Perfluorodecanoic acid (PFDA)	92.4	91.3	86.1			5.86
	Perfluorododecanoic acid (PFDoA)	99.9	123	98.9			21.7
	Perfluorododecanoic acid (PFDoA)	120	106	127			18.0
	Perfluorododecanoic acid (PFDoA)	94.0	120	99.4			18.9
	Perfluorododecanoic acid (PFDoA)	120	96.9	79.0			20.4
	Perfluorododecanoic acid (PFDoA)	89.5	102	92.2			10.4
	Perfluoroheptanesulfonic acid (PFHpS)	86.2	92.4	96.7			4.55
	Perfluoroheptanesulfonic acid (PFHpS)	87.6	85.5	88.7			3.67
	Perfluoroheptanesulfonic acid (PFHpS)	124	115	101			12.8
	Perfluoroheptanesulfonic acid (PFHpS)	84.5	84.3	84.1			0.185
	Perfluoroheptanesulfonic acid (PFHpS)	97.5	96.3	96.4			0.104
	Perfluoroheptanoic acid (PFHpA)	82.7	85.7	88.3			2.99
	Perfluoroheptanoic acid (PFHpA)	90.9	90.8	101			10.5
	Perfluoroheptanoic acid (PFHpA)	95.3	97.6	111			12.8
	Perfluoroheptanoic acid (PFHpA)	79.2	113	91.7			10.8
	Perfluoroheptanoic acid (PFHpA)	87.3	97.2	95.1			2.18
	Perfluorohexanesulfonic acid (PFHxS)	96.4	106	107			0.563
	Perfluorohexanesulfonic acid (PFHxS)	98.0	108	114			4.34
	Perfluorohexanesulfonic acid (PFHxS)	112	99.7	110			7.56
	Perfluorohexanesulfonic acid (PFHxS)	89.2					7.40

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluorohexanesulfonic acid (PFHxS)	98.8	101	104			2.73
	Perfluorohexanoic acid (PFHxA)	95.0	90.4	76.7			16.4
	Perfluorohexanoic acid (PFHxA)	92.1	94.6	80.8			13.1
	Perfluorohexanoic acid (PFHxA)	92.9	83.9	100			17.6
	Perfluorohexanoic acid (PFHxA)	86.4	84.4	67.3			7.38
	Perfluorohexanoic acid (PFHxA)	98.0	104	92.6			11.5
	Perfluorononanesulfonic acid (PFNS)	105	109	102			5.78
	Perfluorononanesulfonic acid (PFNS)	109	107	112			4.47
	Perfluorononanesulfonic acid (PFNS)	118	115	122			5.40
	Perfluorononanesulfonic acid (PFNS)	96.1	93.7	97.8			4.28
	Perfluorononanesulfonic acid (PFNS)	107	108	106			1.78
	Perfluorononanoic acid (PFNA)	85.0	83.6	94.1			11.8
	Perfluorononanoic acid (PFNA)	96.6	74.3	81.8			8.26
	Perfluorononanoic acid (PFNA)	88.6	95.8	85.4			11.5
	Perfluorononanoic acid (PFNA)	79.6	65.9	81.6			15.7
	Perfluorononanoic acid (PFNA)	84.4	78.3	81.3			3.76
	Perfluorooctanesulfonic acid (PFOS)	111	114	110			2.94
	Perfluorooctanesulfonic acid (PFOS)	112					6.05
	Perfluorooctanesulfonic acid (PFOS)	117	126	128			1.10
	Perfluorooctanesulfonic acid (PFOS)	87.3					0.637
	Perfluorooctanesulfonic acid (PFOS)	100	102	92.6			7.00
	Perfluorooctanoic acid (PFOA)	106	114	102			11.1
	Perfluorooctanoic acid (PFOA)	122	98.8	124			17.6
	Perfluorooctanoic acid (PFOA)	105	128	142			10.2
	Perfluorooctanoic acid (PFOA)	98.8					6.79
	Perfluorooctanoic acid (PFOA)	77.4	88.6	116			26.9
	Perfluoropentanesulfonic acid (PFPeS)	103	106	89.0			17.5
	Perfluoropentanesulfonic acid (PFPeS)	113	77.9	70.0			10.7
	Perfluoropentanesulfonic acid (PFPeS)	69.0	69.5	73.6			5.73
	Perfluoropentanesulfonic acid (PFPeS)	98.8	94.5	91.3			2.86
	Perfluoropentanesulfonic acid (PFPeS)	116	100	112			11.2
	Perfluoropentanoic acid (PFPeA)	84.2	88.0	97.9			10.7
	Perfluoropentanoic acid (PFPeA)	101	76.6	77.9			1.07
	Perfluoropentanoic acid (PFPeA)	92.2	110	108			1.74
	Perfluoropentanoic acid (PFPeA)	83.8	125	99.6			9.31
	Perfluoropentanoic acid (PFPeA)	90.5	96.5	105			8.63
	Perfluoropropanesulfonic acid (PFPrS)	101	96.3	96.1			0.208
	Perfluoropropanesulfonic acid (PFPrS)	101	92.0	89.4			2.87
	Perfluoropropanesulfonic acid (PFPrS)	97.6	99.1	112			12.4

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)	85.4	102	85.0			18.6
	Perfluoropropanesulfonic acid (PFPrS)	80.2	99.2	89.8			9.95
	Perfluorotetradecanoic acid (PFTeA)	111	115	115			0.0
	Perfluorotetradecanoic acid (PFTeA)	110	93.2	114			20.0
	Perfluorotetradecanoic acid (PFTeA)	108	105	115			8.80
	Perfluorotetradecanoic acid (PFTeA)	79.2	90.5	94.4			4.22
	Perfluorotetradecanoic acid (PFTeA)	80.8	91.9	90.2			1.87
	Perfluorotridecanoic acid (PFTriA)	111	94.5	97.7			3.33
	Perfluorotridecanoic acid (PFTriA)	88.0	109	134			12.9
	Perfluorotridecanoic acid (PFTriA)	106	100	99.8			0.599
	Perfluorotridecanoic acid (PFTriA)	79.3	95.3	83.2			13.6
	Perfluorotridecanoic acid (PFTriA)	89.2	114	110			3.38
	Perfluoroundecanoic acid (PFUnA)	97.6	91.7	120			26.7
	Perfluoroundecanoic acid (PFUnA)	109	58.5	83.5			17.8
	Perfluoroundecanoic acid (PFUnA)	122	115	101			11.1
	Perfluoroundecanoic acid (PFUnA)	76.6	82.4	106			24.7
	Perfluoroundecanoic acid (PFUnA)	80.5	91.1	93.8			2.92

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: LC-001-3	Perfluorinated alkyl substances in sediment/solid matrices by HPLC/MS/MS	2290499, 2290500, 2290501, 2290502, 2290503, 2290504, 2290505, 2290506, 2290518, 2290519, 2290520, 2290521, 2290522, 2290523, 2290524, 2290525, 2290526, 2290527, 2290528, 2290529, 2290530, 2290531, 2290532, 2290533, 2290559, 2290560, 2290561, 2290562, 2290563, 2290564, 2290565, 2290566, 2290567, 2290568, 2290569, 2290570, 2290583, 2290584, 2290585, 2290586, 2290587, 2290588, 2290589, 2290590, 2290591, 2290592, 2290593, 2290594, 2290617, 2290618, 2290619, 2290620, 2290621, 2290622, 2290623, 2290624, 2290633, 2290634, 2290635, 2290636, 2290641
DEP SOP: LC-001-3	Perfluorinated alkyl substances in water matrices by HPLC/MS/MS	2290537, 2290538, 2290539

Reference Method Descriptions

Method	Description	Associated Samples
SM 2540 G (20th)	Percent solid determination before the other sample preparations.	2290507, 2290508, 2290509, 2290510, 2290511, 2290512, 2290513, 2290514, 2290540, 2290541, 2290542, 2290543, 2290544, 2290545, 2290546, 2290547, 2290548, 2290549, 2290550, 2290551, 2290552, 2290553, 2290554, 2290558, 2290571, 2290572, 2290573, 2290574, 2290575, 2290576, 2290577, 2290578, 2290579, 2290580, 2290581, 2290582, 2290595, 2290596, 2290597, 2290598, 2290599, 2290600, 2290601, 2290602, 2290603, 2290604, 2290605, 2290606, 2290625, 2290626, 2290627, 2290628, 2290629, 2290630, 2290631, 2290632, 2290637, 2290638, 2290639, 2290640, 2290642

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	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 14:47	Mohammad Ghaffari	2290499
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 14:58	Mohammad Ghaffari	2290500
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 15:09	Mohammad Ghaffari	2290501
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 15:19	Mohammad Ghaffari	2290502
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 15:30	Mohammad Ghaffari	2290503
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 15:41	Mohammad Ghaffari	2290504
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 15:52	Mohammad Ghaffari	2290505
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 16:03	Mohammad Ghaffari	2290506
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 16:24	Mohammad Ghaffari	2290518
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 16:35	Mohammad Ghaffari	2290519
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 16:46	Mohammad Ghaffari	2290520
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 16:56	Mohammad Ghaffari	2290521
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 17:07	Mohammad Ghaffari	2290522
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 17:18	Mohammad Ghaffari	2290523
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 17:29	Mohammad Ghaffari	2290524
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 17:39	Mohammad Ghaffari	2290525
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 18:55	Mohammad Ghaffari	2290526
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 19:06	Mohammad Ghaffari	2290527
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 19:17	Mohammad Ghaffari	2290528
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 19:27	Mohammad Ghaffari	2290529
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 19:49	Mohammad Ghaffari	2290530
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 20:00	Mohammad Ghaffari	2290531
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 20:11	Mohammad Ghaffari	2290532
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 20:21	Mohammad Ghaffari	2290533
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 20:32	Mohammad Ghaffari	2290559
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 20:43	Mohammad Ghaffari	2290560
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 20:54	Mohammad Ghaffari	2290561
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 21:04	Mohammad Ghaffari	2290562
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 21:26	Mohammad Ghaffari	2290563
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 21:37	Mohammad Ghaffari	2290564
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 21:47	Mohammad Ghaffari	2290565
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 21:58	Mohammad Ghaffari	2290566
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 22:09	Mohammad Ghaffari	2290567
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 22:20	Mohammad Ghaffari	2290568
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 22:31	Mohammad Ghaffari	2290569
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 22:42	Mohammad Ghaffari	2290570
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/23/2021 23:25	Mohammad Ghaffari	2290526
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/24/2021 08:21	Mohammad Ghaffari	2290562
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/24/2021 08:32	Mohammad Ghaffari	2290564
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/24/2021 08:43	Mohammad Ghaffari	2290565

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	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/24/2021 08:54	Mohammad Ghaffari	2290566
	11/18/2021	11/22/2021 10:00	Manjita Shrestha	11/24/2021 09:04	Mohammad Ghaffari	2290565
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 15:29	Mohammad Ghaffari	2290583
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 15:40	Mohammad Ghaffari	2290584
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 15:50	Mohammad Ghaffari	2290585
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 16:01	Mohammad Ghaffari	2290586
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 16:23	Mohammad Ghaffari	2290587
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 16:34	Mohammad Ghaffari	2290588
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 16:44	Mohammad Ghaffari	2290589
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 16:55	Mohammad Ghaffari	2290590
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 17:06	Mohammad Ghaffari	2290591
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 17:17	Mohammad Ghaffari	2290592
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 17:28	Mohammad Ghaffari	2290593
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 17:39	Mohammad Ghaffari	2290594
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 18:00	Mohammad Ghaffari	2290617
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 18:11	Mohammad Ghaffari	2290618
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 18:22	Mohammad Ghaffari	2290619
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 18:33	Mohammad Ghaffari	2290620
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 18:43	Mohammad Ghaffari	2290621
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 18:54	Mohammad Ghaffari	2290622
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 19:05	Mohammad Ghaffari	2290623
	11/18/2021	11/23/2021 14:30	Manjita Shrestha	11/24/2021 19:16	Mohammad Ghaffari	2290624
	11/18/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 09:55	Mohammad Ghaffari	2290633
	11/18/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 10:49	Mohammad Ghaffari	2290634
	11/18/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 11:00	Mohammad Ghaffari	2290635
	11/18/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 11:11	Mohammad Ghaffari	2290636
	11/18/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 11:22	Mohammad Ghaffari	2290641
	11/18/2021	12/08/2021 09:00	Hoor Shaik	12/08/2021 21:38	Mohammad Ghaffari	2290537
	11/18/2021	12/08/2021 09:00	Hoor Shaik	12/08/2021 21:49	Mohammad Ghaffari	2290538
	11/18/2021	12/08/2021 09:00	Hoor Shaik	12/08/2021 21:59	Mohammad Ghaffari	2290539

Chemical Analysis Report

SIS-2021-11-30-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

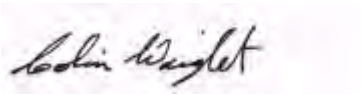
Event Description: **Fire Academy of the South**
Request ID: **RQ-2021-11-15-48**
Customer: **SIS**
Project ID: **SIS-PFAS**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Road
Twin Towers Bldg. MS# 4515
Tallahassee, FL 32399
Attn: Jeff Newton

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Colin Wright, Program Administrator

Date Certified: 04-JAN-2022 14:22



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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 10:05**

Field ID: DEPSB-32-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291597	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.51	U	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	1.0		ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	7.6		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.81	I	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.59	I	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.33	I	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.28	I	ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.55		ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.76		ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.88		ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406811	

Field ID: DEPSB-32-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291597	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406811	
2291625	SM 2540 G (20th)	% Solid	81.0	A	%	P406879	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 10:10**

Field ID: DEPSB-32-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291598	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.53	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.53	U	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	0.74		ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	7.6		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.28	I	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.26	U	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.18	I	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.21	I	ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.26	I	ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.1		ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.2		ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406811	

Field ID: DEPSB-32-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291598	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406811	
2291626	SM 2540 G (20th)	% Solid	80.4		%	P406879	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 10:15**

Field ID: DEPSB-33-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291599	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.16	I	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.53	I	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.41	I	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	1.3		ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.40	I	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.50	I	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	19		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.52	I	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.86	I	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.54	I	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	I	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.18	I	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.34	I	ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.56		ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	I	ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.23	I	ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406811	

Field ID: DEPSB-33-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291599	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.98	U	ug/Kg	P406811	
2291627	SM 2540 G (20th)	% Solid	87.2		%	P406879	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 10:20**

Field ID: DEPSB-33-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291600	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.57	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.57	U	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.28	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.28	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	1.4		ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.28	U	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.28	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	17		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.34	I	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.28	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.28	U	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.28	U	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.19	I	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.17	I	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.14	U	ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	U	ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.3	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.28	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.57	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P406811	

Field ID: DEPSB-33-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291600	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406811	
2291628	SM 2540 G (20th)	% Solid	76.2		%	P406879	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 10:25**

Field ID: DEPSB-34-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291601	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.55	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	1.4	I	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.32	I	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.68	I	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	1.8		ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.81	I	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.53	I	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	39		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.84	I	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	1.9		ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.80	I	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.38	I	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	1.5		ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	2.3		ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	I	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.1		ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	2.7		ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.27	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.55	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P406811	

Field ID: DEPSB-34-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291601	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406811	
2291629	SM 2540 G (20th)	% Solid	78.8		%	P406879	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 10:30**

Field ID: DEPSB-34-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291602	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.53	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	1.0	I	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.41	I	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	1.9		ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.46	I	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.47	I	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	46		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.52	I	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.53	I	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.39	I	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.15	I	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.34	I	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.48	I	ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.21	I	ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.19	I	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	7.0		ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.83		ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406811	

Field ID: DEPSB-34-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291602	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406811	
2291630	SM 2540 G (20th)	% Solid	81.9		%	P406879	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 10:35**

Field ID: DEPSB-35-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291603	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.53	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.80	I	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.30	I	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	1.5		ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.40	I	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	21		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.31	I	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	1.7		ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.26	U	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.16	I	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.23	I	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.97		ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	2.6		ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.98		ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	2.2		ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406811	

Field ID: DEPSB-35-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291603	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406811	
2291631	SM 2540 G (20th)	% Solid	82.0		%	P406879	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 10:40**

Field ID: DEPSB-35-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291604	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.52	U	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	0.32	I	ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	14		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.36	I	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.26	U	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.28	I	ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.4		ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.2		ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406811	

Field ID: DEPSB-35-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291604	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406811	
2291632	SM 2540 G (20th)	% Solid	81.9		%	P406879	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 10:50**

Field ID: DEPSB-36-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291605	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.51	U	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	3.0		ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.55	I	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	34		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.25	U	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.69	I	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.35	I	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.31	I	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.45	I	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.94		ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	1.4		ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.18	I	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.9		ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.3		ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406811	

Field ID: DEPSB-36-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291605	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406811	
2291633	SM 2540 G (20th)	% Solid	82.5		%	P406879	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 10:55**

Field ID: DEPSB-36-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291606	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.51	U	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	1.2		ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	31		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.26	U	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.26	U	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.15	I	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.16	I	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	11		ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.29	I	ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406811	

Field ID: DEPSB-36-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291606	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406811	
2291634	SM 2540 G (20th)	% Solid	82.4		%	P406879	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 11:00**

Field ID: DEPSB-37-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291607	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.16	I	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.46	U	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.33	I	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	5.1		ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.51	I	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	32		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.48	I	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.67	I	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.91		ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.33	I	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.33	I	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.69		ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	1.3		ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	8.4		ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.39	I	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	8.0		ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	24		ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	I	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406811	

Field ID: DEPSB-37-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291607	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.91	U	ug/Kg	P406811	
2291635	SM 2540 G (20th)	% Solid	89.2	A	%	P406880	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 11:05**

Field ID: DEPSB-37-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291608	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.21	I	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.52	U	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	4.9		ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.38	I	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	44		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.40	I	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.40	I	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.26	U	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.33	I	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.78		ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	2.3		ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	1.5		ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.73		ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	41		ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	26		ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406811	

Field ID: DEPSB-37-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291608	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406811	
2291636	SM 2540 G (20th)	% Solid	84.4		%	P406880	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 11:10**

Field ID: DEPSB-38-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291609	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.15	I	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.62	I	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	5.4		ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.43	I	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	29		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.48	I	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.49	I	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	1.1		ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.28	I	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.36	I	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.63		ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	1.0		ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	3.8		ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.60		ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	8.0		ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	11		ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.36	I	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406811	

Field ID: DEPSB-38-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291609	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.92	U	ug/Kg	P406811	
2291637	SM 2540 G (20th)	% Solid	87.5		%	P406880	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 11:15**

Field ID: DEPSB-38-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291610	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.38	I	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.62	I	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	4.0		ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.31	I	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.32	I	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	34		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.25	U	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	0.29	I	ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.25	U	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.46	I	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.32	I	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.65		ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.18	I	ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.75		ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	39		ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	2.2		ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.29	I	ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406811	

Field ID: DEPSB-38-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291610	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.98	U	ug/Kg	P406811	
2291638	SM 2540 G (20th)	% Solid	84.1		%	P406880	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 11:20**

Field ID: DEPSB-39-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291611	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406811	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P406811	
		Perfluorodecanoic acid (PFDA)**	0.48	I	ug/Kg	P406811	
		Perfluorododecanoic acid (PFDoA)**	0.40	I	ug/Kg	P406811	
		Perfluoroheptanoic acid (PFHpA)**	0.28	I	ug/Kg	P406811	
		Perfluorohexanesulfonic acid (PFHxS)**	0.27	I	ug/Kg	P406811	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P406811	
		Perfluorononanoic acid (PFNA)**	0.42	I	ug/Kg	P406811	
		Perfluorooctanesulfonic acid (PFOS)**	2.9		ug/Kg	P406811	
		Perfluorooctanoic acid (PFOA)**	0.31	I	ug/Kg	P406811	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406811	
		Perfluorotridecanoic acid (PFTriA)**	5.6		ug/Kg	P406811	
		Perfluoroundecanoic acid (PFUnA)**	1.4		ug/Kg	P406811	
		Perfluoropentanoic acid (PFPeA)**	0.27	I	ug/Kg	P406811	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406811	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406811	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406811	
		Perfluorodecanesulfonic acid (PFDS)**	0.29	I	ug/Kg	P406811	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406811	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406811	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.31	I	ug/Kg	P406811	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406811	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406811	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406811	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	3.6		ug/Kg	P406811	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406811	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406811	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P406811	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406811	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406811	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406811	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406811	

Field ID: DEPSB-39-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291611	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406811	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.88	U	ug/Kg	P406811	
2291639	SM 2540 G (20th)	% Solid	92.1		%	P406880	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 11:25**

Field ID: DEPSB-39-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291612	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	0.49	U	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	0.40	I	ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.26	I	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.59	I	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	4.2		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.54	I	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	0.79	I	ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.44	I	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	0.16	I	ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.5	J	ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406812	

Field ID: DEPSB-39-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291612	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.97	U	ug/Kg	P406812	
2291640	SM 2540 G (20th)	% Solid	87.0		%	P406880	

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. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 11:40**

Field ID: DEPSB-40-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291613	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	0.47	U	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	0.88		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.23	U	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	8.0		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.23	U	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	0.40	I	ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.23	U	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.12	I	ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	I	ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406812	

Field ID: DEPSB-40-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291613	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.93	U	ug/Kg	P406812	
2291641	SM 2540 G (20th)	% Solid	89.4		%	P406880	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 11:45**

Field ID: DEPSB-40-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291614	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	0.55	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	2.1		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	23		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.26	I	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	0.26	U	ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.50	I	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	I	ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.29	I	ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.97		ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	31		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	0.85		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.83	I	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406812	

Field ID: DEPSB-40-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291614	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406812	
2291642	SM 2540 G (20th)	% Solid	84.5		%	P406880	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 11:50**

Field ID: DEPSB-41-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291615	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	0.99	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.45	I	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.53	I	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	0.21	I	ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.61	I	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.33	I	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	5.5		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.40	I	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.30	I	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	1.6		ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.61	I	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	0.57		ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.17	I	ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.27	I	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406812	

Field ID: DEPSB-41-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291615	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.89	U	ug/Kg	P406812	
2291643	SM 2540 G (20th)	% Solid	90.8		%	P406880	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 11:55**

Field ID: DEPSB-41-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291616	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	I	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	0.58	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.55	I	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	4.5		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.59	I	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.57	I	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	36		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	1.1		ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	0.64	I	ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.65	I	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.33	I	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.37	I	ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	I	ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.46	I	ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.63		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406812	

Field ID: DEPSB-41-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291616	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406812	
2291644	SM 2540 G (20th)	% Solid	82.7		%	P406880	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 13:25**

Field ID: DEPSB-42-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291660	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	0.59	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.28	I	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	0.26	I	ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.23	U	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	3.4		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.23	U	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	1.2		ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.23	U	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	I	ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.12	I	ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	1.3		ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	4.5		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	24		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.7		ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406812	

Field ID: DEPSB-42-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291660	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.94	U	ug/Kg	P406812	
2291680	SM 2540 G (20th)	% Solid	89.3	A	%	P406935	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 13:30**

Field ID: DEPSB-42-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291661	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.50	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	0.78	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	2.0		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.25	U	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.33	I	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	29		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.30	I	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	0.25	U	ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.38	I	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.15	I	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.34	I	ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.27	I	ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.3		ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	150		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	1.7		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.50	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406812	

Field ID: DEPSB-42-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291661	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406812	
2291681	SM 2540 G (20th)	% Solid	83.1		%	P406935	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 13:35**

Field ID: DEPSB-43-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291662	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	0.62	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.62	I	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.50	I	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	4.7		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.64	I	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.40	I	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	23		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.81	I	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.59	I	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	2.2		ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.51	I	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.19	I	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.55		ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.80		ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	4.5		ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.42	I	ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	13		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	16		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.36	I	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406812	

Field ID: DEPSB-43-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291662	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.89	U	ug/Kg	P406812	
2291682	SM 2540 G (20th)	% Solid	88.4		%	P406935	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 13:40**

Field ID: DEPSB-43-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291663	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.16	I	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.53	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	0.88	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.34	I	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	5.5		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.82	I	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.34	I	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	46		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.56	I	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	0.73	I	ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.58	I	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.36	I	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.74		ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	2.3		ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	0.58		ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.2		ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	48		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	12		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406812	

Field ID: DEPSB-43-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291663	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406812	
2291683	SM 2540 G (20th)	% Solid	82.4		%	P406935	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 13:45**

Field ID: DEPSB-44-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291664	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.87		ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.59	I	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	2.1	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.64	I	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	1.8		ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	33		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	2.0		ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	1.3		ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	120		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	1.8		ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.48	I	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	2.4		ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	2.1		ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	1.9		ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	2.5		ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	1.5		ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	4.6		ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.0		ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	42		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	34		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406812	

Field ID: DEPSB-44-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291664	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406812	
2291684	SM 2540 G (20th)	% Solid	81.9		%	P406935	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 13:50**

Field ID: DEPSB-44-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291665	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.33	I	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	1.4	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.62	I	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	15		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.88	I	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.67	I	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	140		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	1.1		ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	1.2		ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.57	I	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.73		ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.4		ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	1.7		ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	2.4		ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.75		ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	44		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	36		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406812	

Field ID: DEPSB-44-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291665	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406812	
2291685	SM 2540 G (20th)	% Solid	83.0		%	P406935	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 13:55**

Field ID: DEPSB-45-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291666	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	0.48	U	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.90	I	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	0.33	I	ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.30	I	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	14		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	I	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.75	I	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	1.1		ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.38	I	ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	2.2		ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.27	I	ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	0.78		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406812	

Field ID: DEPSB-45-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291666	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.96	U	ug/Kg	P406812	
2291686	SM 2540 G (20th)	% Solid	86.4		%	P406935	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 14:00**

Field ID: DEPSB-45-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291667	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	0.52	U	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	0.25	I	ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	9.2		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	0.58	I	ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.26	U	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.59		ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.61		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	0.43	I	ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406812	

Field ID: DEPSB-45-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291667	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406812	
2291687	SM 2540 G (20th)	% Solid	84.7		%	P406935	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 14:05**

Field ID: DEPSB-46-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291668	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	0.89	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.27	I	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	0.82		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.27	I	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.37	I	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.31	I	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	3.3		ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	0.93	I	ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.26	I	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.35	I	ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	1.1		ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.93		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	1.2		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.48	I	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406812	

Field ID: DEPSB-46-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291668	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.98	U	ug/Kg	P406812	
2291688	SM 2540 G (20th)	% Solid	86.9		%	P406935	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 14:10**

Field ID: DEPSB-46-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291669	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.21	I	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.54	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	0.64	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.44	I	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	6.3		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.50	I	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.61	I	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	85		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.67	I	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	0.39	I	ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.30	I	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.56		ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.73		ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.30	I	ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	0.15	I	ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.74		ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	7.2		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	0.64		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.31	I	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.54	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P406812	

Field ID: DEPSB-46-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291669	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406812	
2291689	SM 2540 G (20th)	% Solid	79.7		%	P406935	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 14:15**

Field ID: DEPSB-47-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291670	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.49	I	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	1.4	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.82	I	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.87	I	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	2.6		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.86	I	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.51	I	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	16		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.74	I	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.91	I	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	3.0		ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	1.0		ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	I	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.20	I	ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.82		ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	2.1		ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.19	I	ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.94		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	0.76		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406812	

Field ID: DEPSB-47-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291670	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.96	U	ug/Kg	P406812	
2291690	SM 2540 G (20th)	% Solid	85.9	A	%	P406936	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 14:20**

Field ID: DEPSB-47-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291671	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.28	I	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.55	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	1.3	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.31	I	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	0.66	I	ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	8.1		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.57	I	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.72	I	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	120		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.93	I	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	1.0	I	ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.93	I	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.57		ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.57		ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.91		ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	0.75		ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.6		ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	20		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	1.0		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.27	U	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.55	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P406812	

Field ID: DEPSB-47-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291671	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406812	
2291691	SM 2540 G (20th)	% Solid	81.5		%	P406936	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 14:25**

Field ID: DEPSB-48-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291672	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.26	I	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.66	I	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	2.4		ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	1.5		ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	1.5		ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	6.4		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	1.4		ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	1.6		ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	140		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	1.5		ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	I	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.90	I	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	5.9		ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	2.4		ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.44	I	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.57		ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	2.3		ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	4.4		ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.67		ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	9.8		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	2.5		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.83	I	ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406812	

Field ID: DEPSB-48-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291672	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.98	U	ug/Kg	P406812	
2291692	SM 2540 G (20th)	% Solid	84.4		%	P406936	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 14:30**

Field ID: DEPSB-48-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291673	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	1.2		ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.88	I	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	2.2	I	ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.28	U	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	3.7		ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	50		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	3.8		ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	11		ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	1.4E+03		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	7.1		ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.28	U	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	1.4		ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	5.5		ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	2.2		ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	7.4		ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	3.8		ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	0.63		ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	18		ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	57		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	2.6		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	6.2	I	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.1		ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.56	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P406812	

Field ID: DEPSB-48-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291673	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406812	
2291693	SM 2540 G (20th)	% Solid	77.9		%	P406936	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 13:25**

Field ID: DEPSB-49-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291674	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406812	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P406812	
		Perfluorodecanoic acid (PFDA)**	3.3		ug/Kg	P406812	
		Perfluorododecanoic acid (PFDoA)**	0.95	I	ug/Kg	P406812	
		Perfluoroheptanoic acid (PFHpA)**	1.3		ug/Kg	P406812	
		Perfluorohexanesulfonic acid (PFHxS)**	1.5		ug/Kg	P406812	
		Perfluorohexanoic acid (PFHxA)**	0.58	I	ug/Kg	P406812	
		Perfluorononanoic acid (PFNA)**	0.67	I	ug/Kg	P406812	
		Perfluorooctanesulfonic acid (PFOS)**	14		ug/Kg	P406812	
		Perfluorooctanoic acid (PFOA)**	0.68	I	ug/Kg	P406812	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406812	
		Perfluorotridecanoic acid (PFTriA)**	0.38	I	ug/Kg	P406812	
		Perfluoroundecanoic acid (PFUnA)**	3.6		ug/Kg	P406812	
		Perfluoropentanoic acid (PFPeA)**	0.56	I	ug/Kg	P406812	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406812	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.15	I	ug/Kg	P406812	
		Perfluorononanesulfonic acid (PFNS)**	0.40	I	ug/Kg	P406812	
		Perfluorodecanesulfonic acid (PFDS)**	4.0		ug/Kg	P406812	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406812	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406812	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	4.3		ug/Kg	P406812	MS
		Perfluoro-1-octane sulfonamide (FOSA)**	7.1		ug/Kg	P406812	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406812	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406812	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.9		ug/Kg	P406812	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406812	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406812	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P406812	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406812	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406812	

Field ID: DEPSB-49-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291674	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406812	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406812	
2291694	SM 2540 G (20th)	% Solid	83.7		%	P406936	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 14:40**

Field ID: DEPSB-49-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291675	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.54	U	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	1.6	I	ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	0.32	I	ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	0.47	I	ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.27	U	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	0.27	U	ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	5.8		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	0.27	U	ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	0.46	I	ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	0.27	U	ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.37	I	ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.23	I	ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	5.0		ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	3.1		ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.92	I	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.54	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P406858	

Field ID: DEPSB-49-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291675	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406858	
2291695	SM 2540 G (20th)	% Solid	81.0		%	P406936	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 14:45**

Field ID: DEPSB-50-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291676	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	2.2		ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	1.5		ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	1.4		ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	0.71		ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.85	I	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	0.53	I	ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	7.3		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	0.82	I	ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	0.89	I	ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	4.7		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	0.86	I	ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	I	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.31	I	ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	2.0		ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.2		ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.5		ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.5		ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406858	

Field ID: DEPSB-50-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291676	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406858	
2291696	SM 2540 G (20th)	% Solid	85.2		%	P406936	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 14:50**

Field ID: DEPSB-50-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291677	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.53	U	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	2.2		ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	0.89	I	ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	1.5		ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.62	I	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	0.63	I	ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	16		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	0.56	I	ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	1.4		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	0.77	I	ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.16	I	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.52	I	ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.33	I	ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	I	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	5.6		ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.96		ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.38	I	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406858	

Field ID: DEPSB-50-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291677	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406858	
2291697	SM 2540 G (20th)	% Solid	80.5		%	P406936	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 15:00**

Field ID: DEPSB-51-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291678	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.17	I	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	1.7	I	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	2.7		ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	1.4		ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	4.5		ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	5.7		ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	2.9		ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	4.7		ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	39		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	3.2		ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	I	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	3.0		ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	9.8		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	4.9		ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.26	I	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.27	I	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.72		ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	1.9		ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.21	I	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	3.5		ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.1		ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.5		ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P406858	

Field ID: DEPSB-51-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291678	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406858	
2291698	SM 2540 G (20th)	% Solid	79.7		%	P406936	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 15:05**

Field ID: DEPSB-51-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291679	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.55	I	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	2.3		ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	1.7		ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	2.2		ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	1.0		ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	1.6		ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	28		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	1.2		ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	0.32	I	ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	4.8		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	1.4		ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.91		ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.93		ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	12		ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.9		ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.5		ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406858	

Field ID: DEPSB-51-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291679	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406858	
2291699	SM 2540 G (20th)	% Solid	82.8		%	P406936	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 15:15**

Field ID: DEPSB-52-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291700	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	0.49	U	ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	0.48	I	ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	0.29	I	ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.25	U	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	4.4		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	0.25	U	ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	0.56	I	ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	0.44	I	ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	0.25	U	ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.60		ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.17	I	ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.27	I	ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406858	

Field ID: DEPSB-52-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291700	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.98	U	ug/Kg	P406858	
2291720	SM 2540 G (20th)	% Solid	87.2	A	%	P406937	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 15:20**

Field ID: DEPSB-52-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291701	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	0.52	U	ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	0.26	I	ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	0.26	I	ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	3.0		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	0.34	I	ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	0.63	I	ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	0.26	U	ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.61		ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	I	ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.68		ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406858	

Field ID: DEPSB-52-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291701	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406858	
2291721	SM 2540 G (20th)	% Solid	83.0		%	P406937	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 15:30**

Field ID: DEPSB-53-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291702	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	0.63	I	ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	0.58	I	ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	0.36	I	ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	1.7		ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.35	I	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	0.34	I	ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	11		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	0.36	I	ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	1.7		ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	1.8		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	0.36	I	ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.18	I	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.15	I	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.23	I	ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.65		ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.2		ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.21	I	ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406858	

Field ID: DEPSB-53-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291702	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.98	U	ug/Kg	P406858	
2291722	SM 2540 G (20th)	% Solid	87.8		%	P406937	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 15:40**

Field ID: DEPSB-53-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291703	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.25	I	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.54	U	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	0.78	I	ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	0.60	I	ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	4.7		ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.56	I	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	0.75	I	ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	50		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	0.74	I	ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	1.1		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	0.39	I	ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.50	I	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.34	I	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.40	I	ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.15	I	ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.42	I	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	10		ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.27	I	ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.27	U	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.54	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P406858	

Field ID: DEPSB-53-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291703	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406858	
2291723	SM 2540 G (20th)	% Solid	81.8		%	P406937	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 15:45**

Field ID: DEPSB-54-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291704	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	1.0		ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	1.2	I	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	4.9		ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	4.5		ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	3.0		ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	28		ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	2.6		ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	2.6		ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	190		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	2.8		ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.49	I	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	1.9		ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	11		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	3.4		ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	1.7		ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.1		ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	2.1		ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	3.7		ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.9		ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	31		ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	5.7		ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.29	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.29	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.29	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.3	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.94	I	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.57	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.29	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.29	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.29	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.29	U	ug/Kg	P406858	

Field ID: DEPSB-54-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291704	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.29	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406858	
2291724	SM 2540 G (20th)	% Solid	76.8		%	P406937	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 15:50**

Field ID: DEPSB-54-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291705	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.63		ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.90	I	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	2.7		ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	0.29	I	ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	1.8		ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	19		ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	2.0		ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	3.3		ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	340		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	2.3		ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	2.3		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	2.2		ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	1.2		ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.3		ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	1.1		ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.66		ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	2.5		ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	31		ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.1		ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.3		ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.55	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P406858	

Field ID: DEPSB-54-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291705	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406858	
2291725	SM 2540 G (20th)	% Solid	81.0		%	P406937	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 08:40**

Field ID: DEPSB-55-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291706	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.42	I	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.89	I	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	7.9		ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	2.5		ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	4.4		ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	17		ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	2.3		ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	2.9		ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	220		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	2.4		ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.29	I	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	2.6		ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	9.3		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	3.5		ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.54	I	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.87		ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	5.3		ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	4.3		ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.51	I	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	63		ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	6.6		ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.4	I	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	4.4		ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.20	I	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.56	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P406858	

Field ID: DEPSB-55-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291706	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406858	
2291726	SM 2540 G (20th)	% Solid	78.4		%	P406937	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 08:45**

Field ID: DEPSB-55-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291707	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	2.4		ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	1.5		ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	3.7		ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.77	I	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	0.97	I	ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	73		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	0.75	I	ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	0.92	I	ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	1.1		ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	I	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.26	I	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	1.2		ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.27	I	ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.17	I	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	27		ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.56		ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.87	I	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406858	

Field ID: DEPSB-55-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291707	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406858	
2291727	SM 2540 G (20th)	% Solid	82.3		%	P406937	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 08:50**

Field ID: DEPSB-56-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291708	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	I	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.93	I	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	3.5		ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	1.3		ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	2.6		ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	5.0		ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	1.6		ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	1.4		ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	40		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	2.1		ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	1.3		ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	4.8		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	2.1		ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.23	I	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	2.2		ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	2.5		ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.4		ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	2.2		ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.3	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.46	I	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.57	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P406858	

Field ID: DEPSB-56-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291708	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406858	
2291728	SM 2540 G (20th)	% Solid	78.3		%	P406937	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 08:55**

Field ID: DEPSB-56-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291709	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.53	U	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	0.60	I	ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	1.6		ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	0.70		ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.82	I	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	0.47	I	ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	9.0		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	0.51	I	ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	0.45	I	ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	0.72	I	ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.16	I	ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.99		ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.18	I	ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406858	

Field ID: DEPSB-56-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291709	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406858	
2291729	SM 2540 G (20th)	% Solid	80.7		%	P406937	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 09:00**

Field ID: DEPSB-57-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291710	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.69	I	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	2.9		ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	1.4		ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	1.4		ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	0.31	I	ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.92	I	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	1.1		ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	5.7		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	1.2		ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	I	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	2.8		ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	9.5		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	1.1		ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.13	I	ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.30	I	ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.47	I	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406858	

Field ID: DEPSB-57-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291710	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.99	U	ug/Kg	P406858	
2291730	SM 2540 G (20th)	% Solid	84.5	A	%	P406938	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 09:05**

Field ID: DEPSB-57-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291711	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	1.9	I	ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	0.44	I	ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	0.25	I	ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.37	I	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	0.98		ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	0.37	I	ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	1.3		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	0.32	I	ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	I	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406858	

Field ID: DEPSB-57-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291711	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.96	U	ug/Kg	P406858	
2291731	SM 2540 G (20th)	% Solid	85.5		%	P406938	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 09:10**

Field ID: DEPSB-58-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291712	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	1.1	I	ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	1.9		ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	0.62	I	ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	0.73		ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.56	I	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	0.61	I	ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	11		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	0.66	I	ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.59	I	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	17		ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	29		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	0.44	I	ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.21	I	ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.56		ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	I	ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406858	

Field ID: DEPSB-58-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291712	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406858	
2291732	SM 2540 G (20th)	% Solid	83.1		%	P406938	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 09:15**

Field ID: DEPSB-58-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291713	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	0.69	I	ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	0.30	I	ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.25	U	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	0.30	I	ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	4.2		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	0.25	U	ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	1.2		ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	21		ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	0.25	U	ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.20	I	ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406858	

Field ID: DEPSB-58-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291713	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406858	
2291733	SM 2540 G (20th)	% Solid	84.1		%	P406938	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 09:20**

Field ID: DEPSB-59-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291714	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406858	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P406858	
		Perfluorodecanoic acid (PFDA)**	0.44	U	ug/Kg	P406858	
		Perfluorododecanoic acid (PFDoA)**	0.22	U	ug/Kg	P406858	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P406858	
		Perfluorohexanesulfonic acid (PFHxS)**	0.11	U	ug/Kg	P406858	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P406858	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P406858	
		Perfluorooctanesulfonic acid (PFOS)**	2.7		ug/Kg	P406858	
		Perfluorooctanoic acid (PFOA)**	0.22	U	ug/Kg	P406858	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406858	
		Perfluorotridecanoic acid (PFTriA)**	0.22	U	ug/Kg	P406858	
		Perfluoroundecanoic acid (PFUnA)**	0.29	I	ug/Kg	P406858	
		Perfluoropentanoic acid (PFPeA)**	0.22	U	ug/Kg	P406858	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406858	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406858	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406858	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406858	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406858	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406858	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406858	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406858	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406858	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406858	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.22	U	ug/Kg	P406858	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406858	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406858	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P406858	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406858	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406858	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406858	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406858	

Field ID: DEPSB-59-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291714	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406858	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.88	U	ug/Kg	P406858	
2291734	SM 2540 G (20th)	% Solid	92.0		%	P406938	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 09:25**

Field ID: DEPSB-59-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291715	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	0.48	U	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	0.15	I	ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	2.3		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	0.24	U	ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406859	

Field ID: DEPSB-59-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291715	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.96	U	ug/Kg	P406859	
2291735	SM 2540 G (20th)	% Solid	88.5		%	P406938	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 09:30**

Field ID: DEPSB-60-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291716	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	0.51	I	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	U	ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	3.2		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	0.70	I	ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.27	I	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406859	

Field ID: DEPSB-60-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291716	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.97	U	ug/Kg	P406859	
2291736	SM 2540 G (20th)	% Solid	87.9		%	P406938	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 09:35**

Field ID: DEPSB-60-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291717	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.50	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	0.50	U	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	U	ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.25	U	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	3.4		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.25	U	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	0.25	U	ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.25	U	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.50	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406859	

Field ID: DEPSB-60-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291717	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406859	
2291737	SM 2540 G (20th)	% Solid	86.7		%	P406938	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 09:50**

Field ID: DEPSB-61-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291718	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	0.47	I	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	0.46	I	ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	0.22	I	ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.23	U	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.31	I	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	3.7		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.23	U	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	0.51	I	ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	0.97		ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.33	I	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	0.47		ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406859	

Field ID: DEPSB-61-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291718	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.91	U	ug/Kg	P406859	
2291738	SM 2540 G (20th)	% Solid	91.6		%	P406938	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 09:55**

Field ID: DEPSB-61-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291719	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	0.48	U	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	0.21	I	ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	1.9		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	0.31	I	ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.17	I	ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406859	

Field ID: DEPSB-61-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291719	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.97	U	ug/Kg	P406859	
2291739	SM 2540 G (20th)	% Solid	87.3		%	P406938	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 10:00**

Field ID: DEPSB-62-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291740	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	0.69	I	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	0.22	U	ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	0.29	I	ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.27	I	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	3.9		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.22	U	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	0.24	I	ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	0.71	I	ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.22	U	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.17	I	ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.22	U	ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406859	

Field ID: DEPSB-62-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291740	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.90	U	ug/Kg	P406859	
2291760	SM 2540 G (20th)	% Solid	91.2	A	%	P406933	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 10:05**

Field ID: DEPSB-62-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291741	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	0.49	U	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	0.28	I	ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	5.0		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	0.36	I	ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.24	I	ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406859	

Field ID: DEPSB-62-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291741	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.97	U	ug/Kg	P406859	
2291761	SM 2540 G (20th)	% Solid	86.9		%	P406933	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 10:10**

Field ID: DEPSB-63-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291742	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	1.8	I	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	0.45	I	ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	0.22	I	ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.23	U	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.25	I	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	3.4		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.23	U	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	1.4		ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	2.9		ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.23	U	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.26	I	ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	0.73		ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	I	ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406859	

Field ID: DEPSB-63-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291742	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.94	U	ug/Kg	P406859	
2291762	SM 2540 G (20th)	% Solid	90.1		%	P406933	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 10:15**

Field ID: DEPSB-63-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291743	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	0.59	I	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	0.41	I	ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.36	I	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	6.1		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	0.32	I	ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.26	U	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.30	I	ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.46	I	ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406859	

Field ID: DEPSB-63-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291743	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406859	
2291763	SM 2540 G (20th)	% Solid	85.0		%	P406933	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 10:20**

Field ID: DEPSB-64-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291744	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.15	I	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.57	I	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	2.5		ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	6.0		ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	1.2		ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	3.6		ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	1.1		ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.45	I	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	22		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	1.4		ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	2.1		ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	7.7		ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	7.8		ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	1.4		ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.33	I	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.35	I	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.62		ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	3.2		ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.73		ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	28		ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	16		ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	8.4		ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	16		ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.15	I	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406859	

Field ID: DEPSB-64-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291744	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.94	U	ug/Kg	P406859	
2291764	SM 2540 G (20th)	% Solid	89.4		%	P406933	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 10:25**

Field ID: DEPSB-64-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291745	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	1.4	I	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	1.1		ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.34	I	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	0.82		ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.66	I	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	5.6		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.43	I	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	4.9		ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	8.6		ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.40	I	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	1.9		ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	1.9		ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.24	I	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	21		ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	49		ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	I	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	19		ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	2.1		ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406859	

Field ID: DEPSB-64-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291745	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.99	U	ug/Kg	P406859	
2291765	SM 2540 G (20th)	% Solid	86.2		%	P406933	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 10:35**

Field ID: DEPSB-65-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291746	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	0.88	I	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	2.5		ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.24	I	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	2.2		ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.53	I	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	11		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.96		ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	4.3		ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	5.8		ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.66	I	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.27	I	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	1.3		ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	2.5		ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.18	I	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	3.5		ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	2.3		ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406859	

Field ID: DEPSB-65-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291746	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.95	U	ug/Kg	P406859	
2291766	SM 2540 G (20th)	% Solid	87.8		%	P406933	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 10:40**

Field ID: DEPSB-65-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291747	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.50	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	0.81	I	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	0.39	I	ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	1.7		ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.25	U	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	31		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.25	U	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	0.43	I	ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	3.6		ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.25	U	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.35	I	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	1.3		ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	0.43	I	ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.15	I	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	42		ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.4		ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.50	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406859	

Field ID: DEPSB-65-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291747	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406859	
2291767	SM 2540 G (20th)	% Solid	85.4		%	P406933	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 12:10**

Field ID: DEPSB-66-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291748	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.53	I	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	4.0		ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	1.9		ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.55	I	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	2.1		ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.60	I	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.97		ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	8.5		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.86	I	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	2.0		ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	160		ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	6.3		ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	1.2		ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	I	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.50		ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	0.88		ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.35	I	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	20		ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	8.2		ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	7.7		ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.17	I	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406859	

Field ID: DEPSB-66-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291748	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.90	U	ug/Kg	P406859	
2291768	SM 2540 G (20th)	% Solid	91.7		%	P406933	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 12:15**

Field ID: DEPSB-66-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291749	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	1.3	I	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	2.5		ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.31	I	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	1.8		ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.44	I	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	1.0		ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	37		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.72	I	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	31		ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	21		ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.62	I	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.20	I	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	I	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.54		ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	0.78		ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.65		ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	76		ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	7.0		ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	14		ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406859	

Field ID: DEPSB-66-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291749	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.89	U	ug/Kg	P406859	
2291769	SM 2540 G (20th)	% Solid	91.4		%	P406933	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 12:20**

Field ID: DEPSB-67-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291750	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.30	I	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.56	I	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	1.2	I	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	3.7		ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.58	I	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	3.8		ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	1.2		ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.35	I	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	17		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	0.78	I	ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	1.2		ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	19		ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	3.4		ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	1.9		ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.35	I	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.21	I	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.71		ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	7.4		ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.54		ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	23		ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	6.0		ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.8	I	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	8.7		ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406859	

Field ID: DEPSB-67-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291750	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.87	U	ug/Kg	P406859	
2291770	SM 2540 G (20th)	% Solid	93.8	A	%	P406934	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 12:25**

Field ID: DEPSB-67-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291751	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.60		ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.62	I	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	1.9	I	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	0.70	I	ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	1.1		ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	11		ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	1.6		ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	1.0		ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	50		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	2.4		ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	1.8		ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	50		ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	2.0		ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.80		ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.64		ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	4.2		ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	1.2		ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	3.7		ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	300		ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	8.9		ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	5.8	I	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	23		ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406859	

Field ID: DEPSB-67-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291751	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.98	U	ug/Kg	P406859	
2291771	SM 2540 G (20th)	% Solid	87.8		%	P406934	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 12:35**

Field ID: DEPSB-68-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291752	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	I	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.69	I	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	7.3		ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	6.9		ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.94		ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	3.6		ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	1.4		ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.84	I	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	37		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	2.0		ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	1.4		ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	3.1		ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	5.0		ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	1.9		ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.34	I	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.36	I	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	1.3		ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	2.8		ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.51		ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	19		ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	8.8		ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	19		ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	120		ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	I	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406859	

Field ID: DEPSB-68-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291752	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.93	U	ug/Kg	P406859	
2291772	SM 2540 G (20th)	% Solid	90.4		%	P406934	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 12:40**

Field ID: DEPSB-68-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291753	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	3.0		ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	0.69	I	ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.85	I	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	2.4		ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	1.4		ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.33	I	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	47		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	1.6		ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	0.41	I	ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	13		ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.92		ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	I	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.20	I	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	1.6		ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	0.27	I	ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.28	I	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	25		ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	5.9		ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16		ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	140		ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406859	

Field ID: DEPSB-68-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291753	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.92	U	ug/Kg	P406859	
2291773	SM 2540 G (20th)	% Solid	91.2		%	P406934	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 12:45**

Field ID: DEPSB-69-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291754	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406859	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P406859	
		Perfluorodecanoic acid (PFDA)**	1.6	I	ug/Kg	P406859	
		Perfluorododecanoic acid (PFDoA)**	2.1		ug/Kg	P406859	
		Perfluoroheptanoic acid (PFHpA)**	0.60	I	ug/Kg	P406859	
		Perfluorohexanesulfonic acid (PFHxS)**	1.0		ug/Kg	P406859	
		Perfluorohexanoic acid (PFHxA)**	0.48	I	ug/Kg	P406859	
		Perfluorononanoic acid (PFNA)**	0.41	I	ug/Kg	P406859	
		Perfluorooctanesulfonic acid (PFOS)**	7.2		ug/Kg	P406859	
		Perfluorooctanoic acid (PFOA)**	1.1		ug/Kg	P406859	
		Perfluorotetradecanoic acid (PFTeA)**	0.54	I	ug/Kg	P406859	
		Perfluorotridecanoic acid (PFTriA)**	1.1		ug/Kg	P406859	
		Perfluoroundecanoic acid (PFUnA)**	1.9		ug/Kg	P406859	
		Perfluoropentanoic acid (PFPeA)**	0.48	I	ug/Kg	P406859	
		Perfluoropentanesulfonic acid (PFPeS)**	0.18	I	ug/Kg	P406859	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406859	
		Perfluorononanesulfonic acid (PFNS)**	0.18	I	ug/Kg	P406859	
		Perfluorodecanesulfonic acid (PFDS)**	1.4		ug/Kg	P406859	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406859	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	I	ug/Kg	P406859	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.4		ug/Kg	P406859	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.62		ug/Kg	P406859	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406859	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406859	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	4.4		ug/Kg	P406859	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406859	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406859	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P406859	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406859	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406859	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406859	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406859	

Field ID: DEPSB-69-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291754	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406859	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.88	U	ug/Kg	P406859	
2291774	SM 2540 G (20th)	% Solid	91.7		%	P406934	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 12:50**

Field ID: DEPSB-69-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291755	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	1.3	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.51	I	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	0.42	I	ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	0.32	I	ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	2.9		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.49	I	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	2.5		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	0.52	I	ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	0.82		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.3		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.0		ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	3.0		ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406864	

Field ID: DEPSB-69-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291755	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.97	U	ug/Kg	P406864	
2291775	SM 2540 G (20th)	% Solid	86.9		%	P406934	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 13:05**

Field ID: DEPSB-70-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291756	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.43	U	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	0.84	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	3.1		ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	0.55		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	5.6		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.22	U	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.79	I	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	2.0		ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	2.2		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	0.22	U	ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.12	I	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	1.7		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.28	I	ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.27	I	ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.7	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.0		ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.43	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406864	

Field ID: DEPSB-70-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291756	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.87	U	ug/Kg	P406864	
2291776	SM 2540 G (20th)	% Solid	94.2		%	P406934	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 13:10**

Field ID: DEPSB-70-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291757	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.50	U	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	0.96	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	1.1		ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.38	I	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	0.82		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	0.40	I	ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	2.3		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.36	I	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	0.63	I	ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	3.3		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	0.36	I	ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.26	I	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	2.2		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.1		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.66		ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.7		ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.50	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406864	

Field ID: DEPSB-70-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291757	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406864	
2291777	SM 2540 G (20th)	% Solid	86.0		%	P406934	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 13:15**

Field ID: DEPSB-71-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291758	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	1.6	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	4.0		ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.32	I	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	0.35	I	ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	0.29	I	ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.36	I	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	7.1		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.56	I	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	1.3		ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	1.8		ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	1.5		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	0.38	I	ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.13	I	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	2.7		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.61		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.27	I	ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.6		ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406864	

Field ID: DEPSB-71-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291758	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.88	U	ug/Kg	P406864	
2291778	SM 2540 G (20th)	% Solid	92.2		%	P406934	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 13:20**

Field ID: DEPSB-71-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291759	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	0.53	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	1.6		ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	0.18	I	ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	0.39	I	ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	1.6		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.25	U	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.53	I	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	1.8		ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	1.4		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	0.41	I	ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	1.0		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.64		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.71		ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.73	I	ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P406864	

Field ID: DEPSB-71-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291759	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.98	U	ug/Kg	P406864	
2291779	SM 2540 G (20th)	% Solid	86.6		%	P406934	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 13:25**

Field ID: DEPSB-72-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291780	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.51	I	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	1.5	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	4.2		ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.47	I	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	0.49		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	1.1		ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.34	I	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	5.5		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.64	I	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.89	I	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	2.2		ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	2.0		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	1.0		ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	1.4		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.2		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	I	ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	5.8		ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406864	

Field ID: DEPSB-72-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291780	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.90	U	ug/Kg	P406864	
2291800	SM 2540 G (20th)	% Solid	92.2	A	%	P406884	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 13:30**

Field ID: DEPSB-72-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291781	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.77	I	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	2.0	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	1.3		ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	1.3		ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	1.4		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	1.8		ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.42	I	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	42		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	1.1		ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	0.76	I	ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	2.2		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	2.2		ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.15	I	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.66		ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	0.43	I	ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	11		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.7		ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	I	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	13		ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406864	

Field ID: DEPSB-72-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291781	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406864	
2291801	SM 2540 G (20th)	% Solid	84.9		%	P406884	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 13:45**

Field ID: DEPSB-73-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291782	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.94	I	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	1.0	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	1.2		ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.65	I	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	1.1		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	1.5		ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.75	I	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	9.4		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.67	I	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	0.51	I	ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	1.5		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	2.0		ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.19	I	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	1.5		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	I	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.45		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.19	I	ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.55	I	ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406864	

Field ID: DEPSB-73-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291782	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.88	U	ug/Kg	P406864	
2291802	SM 2540 G (20th)	% Solid	92.7		%	P406884	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 13:50**

Field ID: DEPSB-73-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291783	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.55	I	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	0.64	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	0.45	I	ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.53	I	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	0.49		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	0.69	I	ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.35	I	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	4.1		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.32	I	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	1.7		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	1.1		ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.62		ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	1.5		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.47		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.25	I	ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.28	I	ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406864	

Field ID: DEPSB-73-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291783	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.92	U	ug/Kg	P406864	
2291803	SM 2540 G (20th)	% Solid	90.2		%	P406884	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 13:55**

Field ID: DEPSB-74-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291784	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.98	I	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	1.6	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	0.36	I	ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	3.4		ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	0.62		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	1.5		ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	5.9		ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	3.7		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	4.7		ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	0.34	I	ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	1.3		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	2.1		ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.13	I	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	0.49		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	I	ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.2		ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406864	

Field ID: DEPSB-74-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291784	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.92	U	ug/Kg	P406864	
2291804	SM 2540 G (20th)	% Solid	90.4		%	P406884	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 14:00**

Field ID: DEPSB-74-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291785	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.52	I	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	0.76	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	1.3		ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	0.43	I	ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	0.76	I	ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	1.6		ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	3.2		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	1.0		ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	0.56	I	ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	0.96	I	ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.14	I	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.30	I	ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.6		ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406864	

Field ID: DEPSB-74-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291785	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.97	U	ug/Kg	P406864	
2291805	SM 2540 G (20th)	% Solid	87.1		%	P406884	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 14:10**

Field ID: DEPSB-75-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291786	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.25	I	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.49	I	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	0.72	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	0.94	I	ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.50	I	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	1.1		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	0.74	I	ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.98		ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	14		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.83	I	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	I	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	0.50	I	ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	1.3		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	1.2		ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.26	I	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.22	I	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	1.2		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	I	ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.35	I	ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P406864	

Field ID: DEPSB-75-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291786	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.97	U	ug/Kg	P406864	
2291806	SM 2540 G (20th)	% Solid	86.8		%	P406884	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 14:15**

Field ID: DEPSB-75-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291787	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.49	I	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.62	I	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	0.51	U	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.53	I	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	2.4		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	2.3		ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.32	I	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	24		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.45	I	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	0.48	I	ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	3.2		ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.57		ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.19	I	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.15	I	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.2		ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	4.0		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	11		ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P406864	

Field ID: DEPSB-75-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291787	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P406864	
2291807	SM 2540 G (20th)	% Solid	83.8		%	P406884	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 14:20**

Field ID: DEPSB-76-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291788	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	1.6		ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	1.2	I	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	1.1	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	2.0		ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	1.8		ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	17		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	3.8		ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.96		ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	14		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	2.2		ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.66	I	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	12		ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	1.5		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	3.2		ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	2.4		ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.74		ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.20	I	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	4.6		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	5.5		ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	56		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	13		ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	3.1	I	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	3.3		ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.56		ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.43	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406864	

Field ID: DEPSB-76-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291788	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.49	I	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.86	U	ug/Kg	P406864	
2291808	SM 2540 G (20th)	% Solid	93.4		%	P406884	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 14:25**

Field ID: DEPSB-76-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291789	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.58		ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.59	I	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	1.5	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	0.58	I	ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.95		ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	12		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	1.6		ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	1.6		ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	34		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	1.3		ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	0.85	I	ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	7.1		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	1.4		ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	1.1		ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.47		ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	1.1		ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	1.5		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	9.8		ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	440		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	6.1		ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.2		ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.33	I	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P406864	

Field ID: DEPSB-76-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291789	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.91	U	ug/Kg	P406864	
2291809	SM 2540 G (20th)	% Solid	91.6		%	P406884	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 14:30**

Field ID: DEPSB-77-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291790	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.43	U	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	1.8		ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	26		ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	0.45		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	8.1		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.22	U	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	2.7		ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	4.3		ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	9.7		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	0.30	I	ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.55		ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	7.3		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.5		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	3.0		ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	3.1	I	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	41		ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.19	I	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.43	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P406864	

Field ID: DEPSB-77-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291790	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.87	U	ug/Kg	P406864	
2291810	SM 2540 G (20th)	% Solid	93.4	A	%	P406885	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 14:35**

Field ID: DEPSB-77-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291791	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.42	U	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	6.0		ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	5.3		ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	0.38	I	ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	0.26	I	ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.21	U	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	42		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.29	I	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.91		ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	3.3		ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	5.3		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	0.21	U	ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	1.6		ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	6.1		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.8		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	12		ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.21	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.21	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.21	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	5.8	I	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.21	U	ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.45		ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.42	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.21	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.21	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.21	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.21	U	ug/Kg	P406864	

Field ID: DEPSB-77-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291791	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.21	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.84	U	ug/Kg	P406864	
2291811	SM 2540 G (20th)	% Solid	95.3		%	P406885	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 14:40**

Field ID: DEPSB-77-2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291792	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	1.2	I	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	4.1		ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	1.5		ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	1.6		ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	2.0		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	2.7		ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.40	I	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	85		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	1.0	I	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.35	I	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	0.66	I	ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	1.7		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	4.6		ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.15	I	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.16	I	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.46	I	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	1.6		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.54		ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	44		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	16		ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	27		ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.27	U	ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.62		ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P406864	

Field ID: DEPSB-77-2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291792	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P406864	
2291812	SM 2540 G (20th)	% Solid	81.2		%	P406885	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 14:45**

Field ID: DEPSB-78-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291793	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.43	U	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	3.5		ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	5.3		ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	0.47		ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	0.31	I	ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.31	I	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	21		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.78	I	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	1.3		ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	1.9		ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	1.5		ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	0.27	I	ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.28	I	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	1.4		ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	3.2		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	2.2		ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.21	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.21	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.21	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	10		ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.21	U	ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.43	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.21	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.21	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.21	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.21	U	ug/Kg	P406864	

Field ID: DEPSB-78-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291793	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.21	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.86	U	ug/Kg	P406864	
2291813	SM 2540 G (20th)	% Solid	94.4		%	P406885	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 14:50**

Field ID: DEPSB-78-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291794	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.10	U	ug/Kg	P406864	
		Perfluorobutanoic acid (PFBA)**	0.41	U	ug/Kg	P406864	
		Perfluorodecanoic acid (PFDA)**	0.75	I	ug/Kg	P406864	
		Perfluorododecanoic acid (PFDoA)**	0.28	I	ug/Kg	P406864	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P406864	
		Perfluorohexanesulfonic acid (PFHxS)**	0.19	I	ug/Kg	P406864	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P406864	
		Perfluorononanoic acid (PFNA)**	0.21	U	ug/Kg	P406864	
		Perfluorooctanesulfonic acid (PFOS)**	7.7		ug/Kg	P406864	
		Perfluorooctanoic acid (PFOA)**	0.21	U	ug/Kg	P406864	
		Perfluorotetradecanoic acid (PFTeA)**	0.21	U	ug/Kg	P406864	
		Perfluorotridecanoic acid (PFTriA)**	0.23	I	ug/Kg	P406864	
		Perfluoroundecanoic acid (PFUnA)**	0.67	I	ug/Kg	P406864	
		Perfluoropentanoic acid (PFPeA)**	0.21	U	ug/Kg	P406864	
		Perfluoropentanesulfonic acid (PFPeS)**	0.10	U	ug/Kg	P406864	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.10	U	ug/Kg	P406864	
		Perfluorononanesulfonic acid (PFNS)**	0.10	U	ug/Kg	P406864	
		Perfluorodecanesulfonic acid (PFDS)**	0.25	I	ug/Kg	P406864	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.10	U	ug/Kg	P406864	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.10	U	ug/Kg	P406864	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.81		ug/Kg	P406864	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.83		ug/Kg	P406864	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.21	U	ug/Kg	P406864	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.21	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.21	U	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.5	I	ug/Kg	P406864	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	72		ug/Kg	P406864	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.10	U	ug/Kg	P406864	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.10	U	ug/Kg	P406864	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.41	U	ug/Kg	P406864	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.21	U	ug/Kg	P406864	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.21	U	ug/Kg	P406864	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.21	U	ug/Kg	P406864	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.21	U	ug/Kg	P406864	

Field ID: DEPSB-78-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291794	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.21	U	ug/Kg	P406864	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.82	U	ug/Kg	P406864	
2291814	SM 2540 G (20th)	% Solid	96.4		%	P406885	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 14:55**

Field ID: DEPSB-78-2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291795	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	0.82	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	0.36	I	ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.18	I	ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.25	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	6.2		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.22	U	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	0.54	I	ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	0.63	I	ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.22	U	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.44	I	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	0.38	I	ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.4		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.8		ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	37		ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407000	

Field ID: DEPSB-78-2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291795	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.88	U	ug/Kg	P407000	
2291815	SM 2540 G (20th)	% Solid	93.1		%	P406885	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 15:00**

Field ID: DEPSB-79-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291796	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	1.5	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	4.3		ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.34	I	ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.23	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.46	I	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	10		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.55	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.92		ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	3.2		ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	4.7		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.22	U	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.75		ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	2.5		ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.5		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	2.1		ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	6.6		ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.29	I	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407000	

Field ID: DEPSB-79-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291796	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.88	U	ug/Kg	P407000	
2291816	SM 2540 G (20th)	% Solid	93.4		%	P406885	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 15:05**

Field ID: DEPSB-79-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291797	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	1.5	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	1.0		ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.51	I	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.45	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.28	I	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.76	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	0.47	I	ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	1.5		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.34	I	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.22	I	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	2.5		ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	6.7		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	8.3		ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	12		ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.59		ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P407000	

Field ID: DEPSB-79-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291797	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.96	U	ug/Kg	P407000	
2291817	SM 2540 G (20th)	% Solid	89.2		%	P406885	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 15:10**

Field ID: DEPSB-79-2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291798	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.55	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	0.81	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	0.28	U	ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.89	I	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	1.1		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.61	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.40	I	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	5.0		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.34	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	0.28	U	ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	1.3		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.42	I	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.54	I	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	11		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	4.4		ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	7.4		ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.55	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P407000	

Field ID: DEPSB-79-2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291798	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407000	
2291818	SM 2540 G (20th)	% Solid	80.3		%	P406885	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 15:25**

Field ID: DEPSB-80-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291799	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	0.68	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	18		ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.47		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.54	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	16		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.33	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	3.7		ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	3.6		ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	5.0		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.32	I	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	1.3		ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	6.5		ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.51		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.25	I	ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	3.9	I	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	12		ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.20	I	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407000	

Field ID: DEPSB-80-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291799	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.89	U	ug/Kg	P407000	
2291819	SM 2540 G (20th)	% Solid	92.9		%	P406885	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 15:30**

Field ID: DEPSB-80-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291820	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	6.4		ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	19		ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.59		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.47	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.24	I	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	270		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.45	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	4.9		ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	4.2		ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	26		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.70	I	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	8.5		ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	7.6		ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.6		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	18		ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	4.6	I	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	4.3		ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	1.0		ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407000	

Field ID: DEPSB-80-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291820	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.90	U	ug/Kg	P407000	
2291830	SM 2540 G (20th)	% Solid	91.8	A	%	P406939	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 15:35**

Field ID: DEPSB-80-2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291821	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	3.4		ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	12		ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.33	I	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.60		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.67	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	140		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.44	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	3.1		ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	3.2		ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	9.5		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.87	I	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	4.3		ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	5.3		ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.18	I	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	9.9		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	13		ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	5.3	I	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	2.2		ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.43	I	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407000	

Field ID: DEPSB-80-2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291821	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.93	U	ug/Kg	P407000	
2291831	SM 2540 G (20th)	% Solid	89.5		%	P406939	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 15:40**

Field ID: DEPSB-81-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291822	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	0.64	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	15		ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.32	I	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.37	I	ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.53	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	3.4		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.22	U	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	2.9		ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	3.2		ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	1.4		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.64	I	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	1.9		ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	I	ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.32	I	ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	4.5		ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.22	I	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407000	

Field ID: DEPSB-81-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291822	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.89	U	ug/Kg	P407000	
2291832	SM 2540 G (20th)	% Solid	93.7		%	P406939	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 15:45**

Field ID: DEPSB-81-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291823	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	0.87	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	9.8		ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.43	I	ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.41	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	4.7		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.30	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	1.4		ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	2.9		ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	2.4		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.58	I	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.27	I	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	6.1		ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.6		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	4.3		ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.9	I	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	8.9		ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.88		ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407000	

Field ID: DEPSB-81-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291823	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.91	U	ug/Kg	P407000	
2291833	SM 2540 G (20th)	% Solid	91.7		%	P406939	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 15:50**

Field ID: DEPSB-81-2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291824	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	0.77	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	0.93	I	ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.28	I	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.44	I	ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.57	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	7.6		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.31	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	2.5		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.80	I	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.36	I	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	0.90		ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	I	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	9.6		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	24		ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	3.4	I	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	9.9		ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.67		ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P407000	

Field ID: DEPSB-81-2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291824	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P407000	
2291834	SM 2540 G (20th)	% Solid	83.2		%	P406939	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 12:00**

Field ID: EQB-HA-4 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291825	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407140	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407140	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407140	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407140	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407140	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407140	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407140	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407140	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407140	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407140	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407140	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407140	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407140	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407140	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407140	RPD
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407140	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407140	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407140	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407140	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407140	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407140	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407140	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407140	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407140	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407140	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407140	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407140	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407140	

Field ID: EQB-HA-4 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291825	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407140	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407140	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/22/2021 14:55**

Field ID: EQB-HA-5 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291826	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407140	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407140	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407140	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407140	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407140	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407140	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407140	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407140	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407140	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407140	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407140	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407140	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407140	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407140	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407140	RPD
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407140	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407140	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407140	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407140	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407140	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407140	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407140	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407140	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407140	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407140	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407140	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407140	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407140	

Field ID: EQB-HA-5 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291826	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407140	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407140	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 09:40**

Field ID: EQB-HA-6 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291827	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407140	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407140	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407140	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407140	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407140	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407140	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407140	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407140	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407140	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407140	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407140	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407140	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407140	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407140	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407140	RPD
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407140	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407140	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407140	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407140	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407140	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407140	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407140	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407140	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407140	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407140	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407140	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407140	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407140	

Field ID: EQB-HA-6 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291827	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407140	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407140	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 13:35**

Field ID: EQB-HA-7 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291828	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407140	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407140	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407140	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407140	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407140	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407140	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407140	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407140	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407140	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407140	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407140	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407140	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407140	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407140	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407140	RPD
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407140	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407140	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407140	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407140	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407140	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407140	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407140	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407140	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407140	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407140	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407140	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407140	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407140	

Field ID: EQB-HA-7 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291828	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407140	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407140	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/23/2021 15:15**

Field ID: EQB-HA-8 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291829	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407209	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407209	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407209	
		Perfluorododecanoic acid (PFDoA)**	4.8	I	ng/L	P407209	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407209	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407209	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407209	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407209	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407209	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407209	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407209	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407209	
		Perfluorotridecanoic acid (PFTriA)**	2.0	I	ng/L	P407209	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407209	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407209	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407209	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407209	
		Perfluorodecanesulfonic acid (PFDS)**	1.5	I	ng/L	P407209	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407209	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P407209	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.9	I	ng/L	P407209	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.3	I	ng/L	P407209	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407209	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407209	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407209	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	17	I	ng/L	P407209	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	14		ng/L	P407209	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407209	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407209	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407209	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407209	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407209	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407209	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407209	

Field ID: EQB-HA-8 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2291829	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407209	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407209	

Ref. Method and Comment:
DEP SOP: LC-001-3: Results confirmed in re-extraction.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P406811

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
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

Reference Method: DEP SOP: LC-001-3
Batch ID: P406812

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

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P406812

Component	Result	Code	Units
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
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

Reference Method: DEP SOP: LC-001-3
Batch ID: P406858

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: P406858

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

Reference Method: DEP SOP: LC-001-3
Batch ID: P406859

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
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

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P406859

Component	Result	Code	Units
Perfluorotetradecanoic acid (PFTeA)	0.20	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.20	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.20	U	ug/Kg

Reference Method: DEP SOP: LC-001-3
Batch ID: P406864

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
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

Reference Method: DEP SOP: LC-001-3
Batch ID: P407000

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

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P407000

Component	Result	Code	Units
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
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

Reference Method: DEP SOP: LC-001-3
Batch ID: P407140

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)	0.40	U	ng/L
Perfluoro-1-hexane sulfonamide (FHxSA)	0.40	U	ng/L
Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.0	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P407140

Component	Result	Code	Units
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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: P407209

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)	4.0	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P407209

Component	Result	Code	Units
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: P406811

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	117		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	130		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	92.8		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	84.8		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	79.2		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	120		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	87.0		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.0		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	82.3		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	64.5		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	99.1		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	85.5		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	94.5		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	113		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	112		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	118		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	105		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	105		P	40 - 160
Perfluorobutanoic acid (PFBA)	75.6		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	120		P	40 - 160
Perfluorodecanoic acid (PFDA)	92.4		P	40 - 160
Perfluorododecanoic acid (PFDoA)	89.5		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	97.5		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	87.3		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	98.8		P	40 - 160
Perfluorohexanoic acid (PFHxA)	98.0		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	107		P	40 - 160
Perfluorononanoic acid (PFNA)	84.4		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	100		P	40 - 160
Perfluorooctanoic acid (PFOA)	77.4		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	116		P	40 - 160
Perfluoropentanoic acid (PFPeA)	90.5		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	80.2		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	80.8		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	89.2		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	80.5		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406812

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	104		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	138		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	104		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	84.4		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	87.0		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	100		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	101		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	78.4		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	73.4		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	114		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	52.7		P	40 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406812

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoro-1-hexane sulfonamide (FHxSA)	80.3		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	96.9		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	93.3		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	131		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	86.5		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	103		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	106		P	40 - 160
Perfluorobutanoic acid (PFBA)	79.7		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	114		P	40 - 160
Perfluorodecanoic acid (PFDA)	83.2		P	40 - 160
Perfluorododecanoic acid (PFDoA)	103		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	107		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	98.9		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	98.6		P	40 - 160
Perfluorohexanoic acid (PFHxA)	85.8		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	97.9		P	40 - 160
Perfluorononanoic acid (PFNA)	90.9		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	104		P	40 - 160
Perfluorooctanoic acid (PFOA)	84.6		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	66.6		P	40 - 160
Perfluoropentanoic acid (PFPeA)	95.6		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	97.3		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	99.0		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	111		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	96.6		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406858

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	124		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	118		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	92.5		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	88.2		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.1		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	106		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	145		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	101		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	74.8		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	92.7		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	95.1		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	95.9		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	98.7		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	94.4		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	101		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	88.7		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	116		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	98.3		P	40 - 160
Perfluorobutanoic acid (PFBA)	95.5		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	124		P	40 - 160
Perfluorodecanoic acid (PFDA)	83.4		P	40 - 160
Perfluorododecanoic acid (PFDoA)	102		P	40 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406858

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoroheptanesulfonic acid (PFHpS)	88.6		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	97.5		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	93.4		P	40 - 160
Perfluorohexanoic acid (PFHxA)	103		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	109		P	40 - 160
Perfluorononanoic acid (PFNA)	87.3		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	102		P	40 - 160
Perfluorooctanoic acid (PFOA)	109		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	117		P	40 - 160
Perfluoropentanoic acid (PFPeA)	93.5		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	123		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	89.3		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	87.0		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	89.3		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406859

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	150		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	123		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	98.8		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	64.8		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	124		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	109		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	106		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	81.9		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	72.3		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	62.8		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	110		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	46.2		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	95.8		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	88.1		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	56.4		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	99.1		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	101		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	97.2		P	40 - 160
Perfluorobutanoic acid (PFBA)	94.7		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	150		P	40 - 160
Perfluorodecanoic acid (PFDA)	81.9		P	40 - 160
Perfluorododecanoic acid (PFDoA)	98.8		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	51.5		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	86.2		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	95.2		P	40 - 160
Perfluorohexanoic acid (PFHxA)	92.9		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	131		P	40 - 160
Perfluorononanoic acid (PFNA)	69.4		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	98.3		P	40 - 160
Perfluorooctanoic acid (PFOA)	118		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	115		P	40 - 160
Perfluoropentanoic acid (PFPeA)	91.9		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	101		P	40 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406859

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluorotetradecanoic acid (PFTeA)	82.3		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	69.1		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	98.2		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406864

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	117		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	90.1		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	96.5		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	82.6		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	87.9		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	100		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	95.4		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	85.6		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	70.4		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	76.0		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	86.9		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	87.0		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	95.5		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	90.3		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	98.3		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	59.0		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	84.4		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	101		P	40 - 160
Perfluorobutanoic acid (PFBA)	89.8		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	117		P	40 - 160
Perfluorodecanoic acid (PFDA)	82.2		P	40 - 160
Perfluorododecanoic acid (PFDoA)	110		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	94.8		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	85.1		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	95.9		P	40 - 160
Perfluorohexanoic acid (PFHxA)	102		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	104		P	40 - 160
Perfluorononanoic acid (PFNA)	92.5		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	100		P	40 - 160
Perfluorooctanoic acid (PFOA)	101		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	107		P	40 - 160
Perfluoropentanoic acid (PFPeA)	82.5		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	107		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	83.1		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	82.1		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	90.5		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407000

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	122		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	110		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	97.6		P	40 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407000

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	90.1		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	93.7		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	101		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	113		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.5		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	81.5		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	91.6		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	70.3		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	96.2		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	99.3		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	90.5		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	110		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	49.3		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	115		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	102		P	40 - 160
Perfluorobutanoic acid (PFBA)	89.0		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	118		P	40 - 160
Perfluorodecanoic acid (PFDA)	91.2		P	40 - 160
Perfluorododecanoic acid (PFDoA)	103		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	99.4		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	98.8		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	95.5		P	40 - 160
Perfluorohexanoic acid (PFHxA)	97.7		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	107		P	40 - 160
Perfluorononanoic acid (PFNA)	90.9		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	101		P	40 - 160
Perfluorooctanoic acid (PFOA)	97.4		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	133		P	40 - 160
Perfluoropentanoic acid (PFPeA)	91.4		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	146		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	94.5		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	87.2		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	64.3		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407140

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	86.2		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)	98.7		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	78.8		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	84.9		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	100		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	110		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	88.0		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	81.1		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	78.4		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	144		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	123		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	87.3		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	108		P	30 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407140

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	92.1		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	105		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	93.1		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	93.8		P	30 - 160
Perfluorobutanoic acid (PFBA)	90.0		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	105		P	30 - 160
Perfluorodecanoic acid (PFDA)	78.2		P	30 - 160
Perfluorododecanoic acid (PFDoA)	119		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	83.7		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	107		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	88.2		P	30 - 160
Perfluorohexanoic acid (PFHxA)	94.4		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	94.9		P	30 - 160
Perfluorononanoic acid (PFNA)	66.7		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	97.6		P	30 - 160
Perfluorooctanoic acid (PFOA)	95.0		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	105		P	30 - 160
Perfluoropentanoic acid (PFPeA)	86.2		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	94.4		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	92.2		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	133		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	85.5		P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407209

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)	105		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	89.9		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	72.7		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	134		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	95.8		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	78.5		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	80.8		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	73.0		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	56.0		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	126		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	117		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	86.6		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	78.4		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	101		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	58.9		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	118		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	84.6		P	30 - 160
Perfluorobutanoic acid (PFBA)	92.2		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	94.3		P	30 - 160
Perfluorodecanoic acid (PFDA)	104		P	30 - 160
Perfluorododecanoic acid (PFDoA)	98.7		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	87.3		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	56.9		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	88.3		P	30 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407209

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluorohexanoic acid (PFHxA)	100		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	92.8		P	30 - 160
Perfluorononanoic acid (PFNA)	112		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	92.4		P	30 - 160
Perfluorooctanoic acid (PFOA)	120		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	132		P	30 - 160
Perfluoropentanoic acid (PFPeA)	91.3		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	131		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	140		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	151		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	113		P	30 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406811

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2290633	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	112	118	P/P	40 - 160
2290633	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	114	121	P/P	40 - 160
2290633	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	109	105	P/P	40 - 160
2290633	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	85.6	87.4	P/P	40 - 160
2290633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	88.5	91.5	P/P	40 - 160
2290633	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	106	106	P/P	40 - 160
2290633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	97.9	91.3	P/P	40 - 160
2290633	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.9	88.7	P/P	40 - 160
2290633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	64.7	73.3	P/P	40 - 160
2290633	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	59.9	59.1	P/P	40 - 160
2290633	Perfluoro-1-butane sulfonamide (FBSA)	103	103	P/P	40 - 160
2290633	Perfluoro-1-hexane sulfonamide (FHxSA)	89.4	86.5	P/P	40 - 160
2290633	Perfluoro-1-octane sulfonamide (FOSA)	92.8	99.3	P/P	40 - 160
2290633	Perfluoro-3-methoxypropanoic acid (PFMPA)	88.0	72.8	P/P	40 - 160
2290633	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	112	118	P/P	40 - 160
2290633	Perfluoro-4-methoxybutanoic acid (PFMBA)	82.8	87.7	P/P	40 - 160
2290633	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	96.4	102	P/P	40 - 160
2290633	Perfluorobutanesulfonic acid (PFBS)	95.1	103	P/P	40 - 160
2290633	Perfluorobutanoic acid (PFBA)	79.3	99.4	P/P	40 - 160
2290633	Perfluorodecanesulfonic acid (PFDS)	118	123	P/P	40 - 160
2290633	Perfluorodecanoic acid (PFDA)	91.3	86.1	P/P	40 - 160
2290633	Perfluorododecanoic acid (PFDoA)	102	92.2	P/P	40 - 160
2290633	Perfluoroheptanesulfonic acid (PFHpS)	96.3	96.4	P/P	40 - 160
2290633	Perfluoroheptanoic acid (PFHpA)	97.2	95.1	P/P	40 - 160
2290633	Perfluorohexanesulfonic acid (PFHxS)	101	104	P/P	40 - 160
2290633	Perfluorohexanoic acid (PFHxA)	104	92.6	P/P	40 - 160
2290633	Perfluorononanesulfonic acid (PFNS)	108	106	P/P	40 - 160
2290633	Perfluorononanoic acid (PFNA)	78.3	81.3	P/P	40 - 160
2290633	Perfluorooctanesulfonic acid (PFOS)	102	92.6	P/P	40 - 160
2290633	Perfluorooctanoic acid (PFOA)	88.6	116	P/P	40 - 160
2290633	Perfluoropentanesulfonic acid (PFPeS)	100	112	P/P	40 - 160
2290633	Perfluoropentanoic acid (PFPeA)	96.5	105	P/P	40 - 160
2290633	Perfluoropropanesulfonic acid (PFPrS)	99.2	89.8	P/P	40 - 160
2290633	Perfluorotetradecanoic acid (PFTeA)	91.9	90.2	P/P	40 - 160
2290633	Perfluorotridecanoic acid (PFTriA)	114	110	P/P	40 - 160
2290633	Perfluoroundecanoic acid (PFUnA)	91.1	93.8	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406812

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2291612	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	110	110	P/P	40 - 160
2291612	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	122	143	P/P	40 - 160
2291612	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	110	102	P/P	40 - 160
2291612	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	81.0	82.6	P/P	40 - 160
2291612	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	82.9	80.3	P/P	40 - 160
2291612	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	118	110	P/P	40 - 160
2291612	Hexafluoropropylene oxide dimer acid (HFPO-DA)	76.9	96.2	P/P	40 - 160
2291612	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	87.5	82.5	P/P	40 - 160
2291612	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	60.9	66.1	P/P	40 - 160
2291612	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	84.9	70.0	P/P	40 - 160
2291612	Perfluoro-1-butane sulfonamide (FBSA)	111	99.1	P/P	40 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406812

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2291612	Perfluoro-1-hexane sulfonamide (FHxSA)	162	104	F/P	40 - 160
2291612	Perfluoro-1-octane sulfonamide (FOSA)	102	93.4	P/P	40 - 160
2291612	Perfluoro-3-methoxypropanoic acid (PFMPA)	117	107	P/P	40 - 160
2291612	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	124	111	P/P	40 - 160
2291612	Perfluoro-4-methoxybutanoic acid (PFMBA)	113	102	P/P	40 - 160
2291612	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	98.1	104	P/P	40 - 160
2291612	Perfluorobutanesulfonic acid (PFBS)	98.0	104	P/P	40 - 160
2291612	Perfluorobutanoic acid (PFBA)	81.5	80.6	P/P	40 - 160
2291612	Perfluorodecanesulfonic acid (PFDS)	124	116	P/P	40 - 160
2291612	Perfluorodecanoic acid (PFDA)	113	112	P/P	40 - 160
2291612	Perfluorododecanoic acid (PFDoA)	112	83.0	P/P	40 - 160
2291612	Perfluoroheptanesulfonic acid (PFHpS)	99.5	101	P/P	40 - 160
2291612	Perfluoroheptanoic acid (PFHpA)	95.8	97.7	P/P	40 - 160
2291612	Perfluorohexanesulfonic acid (PFHxS)	110	97.7	P/P	40 - 160
2291612	Perfluorohexanoic acid (PFHxA)	95.9	87.1	P/P	40 - 160
2291612	Perfluorononanesulfonic acid (PFNS)	112	112	P/P	40 - 160
2291612	Perfluorononanoic acid (PFNA)	71.2	66.3	P/P	40 - 160
2291612	Perfluorooctanoic acid (PFOA)	115	89.3	P/P	40 - 160
2291612	Perfluoropentanesulfonic acid (PFPeS)	97.3	106	P/P	40 - 160
2291612	Perfluoropentanoic acid (PFPeA)	88.4	93.7	P/P	40 - 160
2291612	Perfluoropropanesulfonic acid (PFPrS)	112	109	P/P	40 - 160
2291612	Perfluorotetradecanoic acid (PFTeA)	81.3	83.9	P/P	40 - 160
2291612	Perfluorotridecanoic acid (PFTriA)	101	87.9	P/P	40 - 160
2291612	Perfluoroundecanoic acid (PFUnA)	73.4	97.4	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406858

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2291675	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	108	112	P/P	40 - 160
2291675	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	103	88.8	P/P	40 - 160
2291675	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	99.5	90.5	P/P	40 - 160
2291675	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	82.3	77.8	P/P	40 - 160
2291675	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	95.4	74.3	P/P	40 - 160
2291675	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	103	104	P/P	40 - 160
2291675	Hexafluoropropylene oxide dimer acid (HFPO-DA)	83.8	92.7	P/P	40 - 160
2291675	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	79.0	80.6	P/P	40 - 160
2291675	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	73.8	65.2	P/P	40 - 160
2291675	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	85.0	90.8	P/P	40 - 160
2291675	Perfluoro-1-butane sulfonamide (FBSA)	106	104	P/P	40 - 160
2291675	Perfluoro-3-methoxypropanoic acid (PFMPA)	90.7	92.9	P/P	40 - 160
2291675	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	97.6	92.0	P/P	40 - 160
2291675	Perfluoro-4-methoxybutanoic acid (PFMBA)	93.4	102	P/P	40 - 160
2291675	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	96.1	106	P/P	40 - 160
2291675	Perfluorobutanesulfonic acid (PFBS)	98.1	103	P/P	40 - 160
2291675	Perfluorobutanoic acid (PFBA)	94.4	99.3	P/P	40 - 160
2291675	Perfluorodecanesulfonic acid (PFDS)	111	108	P/P	40 - 160
2291675	Perfluorodecanoic acid (PFDA)	66.6	79.3	P/P	40 - 160
2291675	Perfluorododecanoic acid (PFDoA)	112	98.2	P/P	40 - 160
2291675	Perfluoroheptanesulfonic acid (PFHpS)	84.6	85.2	P/P	40 - 160
2291675	Perfluoroheptanoic acid (PFHpA)	92.8	84.0	P/P	40 - 160
2291675	Perfluorohexanesulfonic acid (PFHxS)	92.1	84.6	P/P	40 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406858

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2291675	Perfluorohexanoic acid (PFHxA)	108	97.6	P/P	40 - 160
2291675	Perfluorononanesulfonic acid (PFNS)	95.3	99.7	P/P	40 - 160
2291675	Perfluorononanoic acid (PFNA)	99.5	85.3	P/P	40 - 160
2291675	Perfluorooctanoic acid (PFOA)	102	101	P/P	40 - 160
2291675	Perfluoropentanesulfonic acid (PFPeS)	117	121	P/P	40 - 160
2291675	Perfluoropentanoic acid (PFPeA)	90.7	87.8	P/P	40 - 160
2291675	Perfluoropropanesulfonic acid (PFPrS)	92.0	105	P/P	40 - 160
2291675	Perfluorotetradecanoic acid (PFTeA)	95.6	95.9	P/P	40 - 160
2291675	Perfluorotridecanoic acid (PFTriA)	84.9	73.5	P/P	40 - 160
2291675	Perfluoroundecanoic acid (PFUnA)	107	84.5	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P406859

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2291715	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	109	108	P/P	40 - 160
2291715	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	122	117	P/P	40 - 160
2291715	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	94.9	112	P/P	40 - 160
2291715	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	91.3	94.8	P/P	40 - 160
2291715	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	82.4	94.9	P/P	40 - 160
2291715	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	95.0	100	P/P	40 - 160
2291715	Hexafluoropropylene oxide dimer acid (HFPO-DA)	80.9	99.2	P/P	40 - 160
2291715	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	81.6	83.6	P/P	40 - 160
2291715	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	72.0	83.5	P/P	40 - 160
2291715	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	69.8	81.7	P/P	40 - 160
2291715	Perfluoro-1-butane sulfonamide (FBSA)	102	99.9	P/P	40 - 160
2291715	Perfluoro-1-hexane sulfonamide (FHxSA)	91.2	88.6	P/P	40 - 160
2291715	Perfluoro-1-octane sulfonamide (FOSA)	94.1	94.5	P/P	40 - 160
2291715	Perfluoro-3-methoxypropanoic acid (PFMPA)	90.1	90.3	P/P	40 - 160
2291715	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	96.2	101	P/P	40 - 160
2291715	Perfluoro-4-methoxybutanoic acid (PFMBA)	89.3	97.8	P/P	40 - 160
2291715	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	97.2	104	P/P	40 - 160
2291715	Perfluorobutanesulfonic acid (PFBS)	95.2	104	P/P	40 - 160
2291715	Perfluorobutanoic acid (PFBA)	91.1	93.8	P/P	40 - 160
2291715	Perfluorodecanesulfonic acid (PFDS)	116	115	P/P	40 - 160
2291715	Perfluorodecanoic acid (PFDA)	80.8	81.9	P/P	40 - 160
2291715	Perfluorododecanoic acid (PFDoA)	88.6	99.9	P/P	40 - 160
2291715	Perfluoroheptanesulfonic acid (PFHpS)	89.9	86.7	P/P	40 - 160
2291715	Perfluoroheptanoic acid (PFHpA)	83.6	92.8	P/P	40 - 160
2291715	Perfluorohexanesulfonic acid (PFHxS)	86.0	91.5	P/P	40 - 160
2291715	Perfluorohexanoic acid (PFHxA)	82.2	96.4	P/P	40 - 160
2291715	Perfluorononanesulfonic acid (PFNS)	102	103	P/P	40 - 160
2291715	Perfluorononanoic acid (PFNA)	73.5	84.5	P/P	40 - 160
2291715	Perfluorooctanesulfonic acid (PFOS)	97.5	97.6	P/P	40 - 160
2291715	Perfluorooctanoic acid (PFOA)	90.9	97.6	P/P	40 - 160
2291715	Perfluoropentanesulfonic acid (PFPeS)	109	116	P/P	40 - 160
2291715	Perfluoropentanoic acid (PFPeA)	89.9	88.2	P/P	40 - 160
2291715	Perfluoropropanesulfonic acid (PFPrS)	107	102	P/P	40 - 160
2291715	Perfluorotetradecanoic acid (PFTeA)	90.6	93.9	P/P	40 - 160
2291715	Perfluorotridecanoic acid (PFTriA)	77.2	70.4	P/P	40 - 160
2291715	Perfluoroundecanoic acid (PFUnA)	83.9	100	P/P	40 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P406864

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2291755	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	116	119	P/P	40 - 160
2291755	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	86.2	67.2	P/P	40 - 160
2291755	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	95.6	90.1	P/P	40 - 160
2291755	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	115	101	P/P	40 - 160
2291755	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	85.2	85.6	P/P	40 - 160
2291755	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	106	105	P/P	40 - 160
2291755	Hexafluoropropylene oxide dimer acid (HFPO-DA)	79.0	89.2	P/P	40 - 160
2291755	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	93.5	99.0	P/P	40 - 160
2291755	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	71.3	64.6	P/P	40 - 160
2291755	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	78.5	65.8	P/P	40 - 160
2291755	Perfluoro-1-butane sulfonamide (FBSA)	102	89.7	P/P	40 - 160
2291755	Perfluoro-1-hexane sulfonamide (FHxSA)	89.5	62.0	P/P	40 - 160
2291755	Perfluoro-1-octane sulfonamide (FOSA)	93.6	97.1	P/P	40 - 160
2291755	Perfluoro-3-methoxypropanoic acid (PFMPA)	93.2	91.2	P/P	40 - 160
2291755	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	111	107	P/P	40 - 160
2291755	Perfluoro-4-methoxybutanoic acid (PFMBA)	121	99.5	P/P	40 - 160
2291755	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	68.3	91.1	P/P	40 - 160
2291755	Perfluorobutanesulfonic acid (PFBS)	105	90.4	P/P	40 - 160
2291755	Perfluorobutanoic acid (PFBA)	96.7	80.8	P/P	40 - 160
2291755	Perfluorodecanesulfonic acid (PFDS)	99.1	106	P/P	40 - 160
2291755	Perfluorodecanoic acid (PFDA)	83.8	77.9	P/P	40 - 160
2291755	Perfluorododecanoic acid (PFDoA)	124	120	P/P	40 - 160
2291755	Perfluoroheptanesulfonic acid (PFHpS)	97.3	96.7	P/P	40 - 160
2291755	Perfluoroheptanoic acid (PFHpA)	88.5	98.7	P/P	40 - 160
2291755	Perfluorohexanesulfonic acid (PFHxS)	104	101	P/P	40 - 160
2291755	Perfluorohexanoic acid (PFHxA)	94.1	84.4	P/P	40 - 160
2291755	Perfluorononanesulfonic acid (PFNS)	116	111	P/P	40 - 160
2291755	Perfluorononanoic acid (PFNA)	83.4	81.0	P/P	40 - 160
2291755	Perfluorooctanesulfonic acid (PFOS)	93.3	96.8	P/P	40 - 160
2291755	Perfluorooctanoic acid (PFOA)	99.5	122	P/P	40 - 160
2291755	Perfluoropentanesulfonic acid (PFPeS)	87.5	104	P/P	40 - 160
2291755	Perfluoropentanoic acid (PFPeA)	89.8	96.4	P/P	40 - 160
2291755	Perfluoropropanesulfonic acid (PFPrS)	117	107	P/P	40 - 160
2291755	Perfluorotetradecanoic acid (PFTeA)	97.1	87.1	P/P	40 - 160
2291755	Perfluorotridecanoic acid (PFTriA)	78.8	86.9	P/P	40 - 160
2291755	Perfluoroundecanoic acid (PFUnA)	67.3	80.1	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407000

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2291795	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	123	112	P/P	40 - 160
2291795	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	103	102	P/P	40 - 160
2291795	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	110	137	P/P	40 - 160
2291795	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	88.7	85.5	P/P	40 - 160
2291795	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	115	114	P/P	40 - 160
2291795	Hexafluoropropylene oxide dimer acid (HFPO-DA)	105	122	P/P	40 - 160
2291795	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	83.7	95.3	P/P	40 - 160
2291795	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	75.2	67.4	P/P	40 - 160
2291795	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	80.2	84.2	P/P	40 - 160
2291795	Perfluoro-1-butane sulfonamide (FBSA)	102	104	P/P	40 - 160
2291795	Perfluoro-1-hexane sulfonamide (FHxSA)	79.9	93.7	P/P	40 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407000

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2291795	Perfluoro-1-octane sulfonamide (FOSA)	106	108	P/P	40 - 160
2291795	Perfluoro-3-methoxypropanoic acid (PFMPA)	88.7	93.4	P/P	40 - 160
2291795	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	114	111	P/P	40 - 160
2291795	Perfluoro-4-methoxybutanoic acid (PFMBA)	98.1	98.3	P/P	40 - 160
2291795	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	101	108	P/P	40 - 160
2291795	Perfluorobutanesulfonic acid (PFBS)	91.5	90.6	P/P	40 - 160
2291795	Perfluorobutanoic acid (PFBA)	94.3	97.7	P/P	40 - 160
2291795	Perfluorodecanesulfonic acid (PFDS)	118	115	P/P	40 - 160
2291795	Perfluorodecanoic acid (PFDA)	75.9	70.6	P/P	40 - 160
2291795	Perfluorododecanoic acid (PFDoA)	129	92.8	P/P	40 - 160
2291795	Perfluoroheptanesulfonic acid (PFHpS)	93.9	99.4	P/P	40 - 160
2291795	Perfluoroheptanoic acid (PFHpA)	95.0	96.7	P/P	40 - 160
2291795	Perfluorohexanesulfonic acid (PFHxS)	103	98.6	P/P	40 - 160
2291795	Perfluorohexanoic acid (PFHxA)	99.3	75.4	P/P	40 - 160
2291795	Perfluorononanesulfonic acid (PFNS)	115	106	P/P	40 - 160
2291795	Perfluorononanoic acid (PFNA)	81.7	84.1	P/P	40 - 160
2291795	Perfluorooctanoic acid (PFOA)	108	101	P/P	40 - 160
2291795	Perfluoropentanesulfonic acid (PFPeS)	115	116	P/P	40 - 160
2291795	Perfluoropentanoic acid (PFPeA)	105	93.5	P/P	40 - 160
2291795	Perfluoropropanesulfonic acid (PFPrS)	83.5	81.4	P/P	40 - 160
2291795	Perfluorotetradecanoic acid (PFTeA)	93.6	91.4	P/P	40 - 160
2291795	Perfluorotridecanoic acid (PFTriA)	88.9	68.5	P/P	40 - 160
2291795	Perfluoroundecanoic acid (PFUnA)	84.5	83.6	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407140

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292071	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	71.4	65.6	P/P	30 - 160
2292071	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	130	122	P/P	30 - 160
2292071	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	96.1	83.4	P/P	30 - 160
2292071	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	78.0	84.4	P/P	30 - 160
2292071	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	78.2	90.4	P/P	30 - 160
2292071	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	91.0	91.5	P/P	30 - 160
2292071	Hexafluoropropylene oxide dimer acid (HFPO-DA)	96.7	110	P/P	30 - 160
2292071	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	80.6	76.7	P/P	30 - 160
2292071	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	89.2	73.7	P/P	30 - 160
2292071	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	66.9	64.2	P/P	30 - 160
2292071	Perfluoro-1-butane sulfonamide (FBSA)	106	95.9	P/P	30 - 160
2292071	Perfluoro-1-hexane sulfonamide (FHxSA)	85.6	81.2	P/P	30 - 160
2292071	Perfluoro-1-octane sulfonamide (FOSA)	90.7	86.0	P/P	30 - 160
2292071	Perfluoro-3-methoxypropanoic acid (PFMPA)	92.6	92.9	P/P	30 - 160
2292071	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	105	106	P/P	30 - 160
2292071	Perfluoro-4-methoxybutanoic acid (PFMBA)	89.8	96.2	P/P	30 - 160
2292071	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	97.0	142	P/P	30 - 160
2292071	Perfluorobutanesulfonic acid (PFBS)	93.8	91.9	P/P	30 - 160
2292071	Perfluorobutanoic acid (PFBA)	92.5	91.9	P/P	30 - 160
2292071	Perfluorodecanesulfonic acid (PFDS)	80.8	74.7	P/P	30 - 160
2292071	Perfluorodecanoic acid (PFDA)	86.4	108	P/P	30 - 160
2292071	Perfluorododecanoic acid (PFDoA)	90.0	89.4	P/P	30 - 160
2292071	Perfluoroheptanesulfonic acid (PFHpS)	90.8	93.7	P/P	30 - 160
2292071	Perfluoroheptanoic acid (PFHpA)	92.2	92.1	P/P	30 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407140

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292071	Perfluorohexanesulfonic acid (PFHxS)	92.5	95.6	P/P	30 - 160
2292071	Perfluorohexanoic acid (PFHxA)	96.6	84.5	P/P	30 - 160
2292071	Perfluorononanesulfonic acid (PFNS)	94.8	83.6	P/P	30 - 160
2292071	Perfluorononanoic acid (PFNA)	82.4	73.2	P/P	30 - 160
2292071	Perfluorooctanesulfonic acid (PFOS)	85.0	81.5	P/P	30 - 160
2292071	Perfluorooctanoic acid (PFOA)	97.4	89.7	P/P	30 - 160
2292071	Perfluoropentanesulfonic acid (PFPeS)	108	160	P/P	30 - 160
2292071	Perfluoropentanoic acid (PFPeA)	96.0	77.8	P/P	30 - 160
2292071	Perfluoropropanesulfonic acid (PFPrS)	108	139	P/P	30 - 160
2292071	Perfluorotetradecanoic acid (PFTeA)	95.6	97.9	P/P	30 - 160
2292071	Perfluorotridecanoic acid (PFTriA)	126	96.4	P/P	30 - 160
2292071	Perfluoroundecanoic acid (PFUnA)	104	90.1	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407209

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2294154	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	57.0	56.0	P/P	30 - 160
2294154	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	103	110	P/P	30 - 160
2294154	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	89.9	98.4	P/P	30 - 160
2294154	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	72.2	67.2	P/P	30 - 160
2294154	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	132	139	P/P	30 - 160
2294154	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	86.1	91.8	P/P	30 - 160
2294154	Hexafluoropropylene oxide dimer acid (HFPO-DA)	69.1	91.0	P/P	30 - 160
2294154	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	75.0	73.6	P/P	30 - 160
2294154	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	70.3	83.5	P/P	30 - 160
2294154	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	61.7	60.5	P/P	30 - 160
2294154	Perfluoro-1-butane sulfonamide (FBSA)	88.8	67.7	P/P	30 - 160
2294154	Perfluoro-1-hexane sulfonamide (FHxSA)	85.8	79.8	P/P	30 - 160
2294154	Perfluoro-1-octane sulfonamide (FOSA)	77.6	91.4	P/P	30 - 160
2294154	Perfluoro-3-methoxypropanoic acid (PFMPA)	78.5	80.6	P/P	30 - 160
2294154	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	70.0	91.2	P/P	30 - 160
2294154	Perfluoro-4-methoxybutanoic acid (PFMBA)	74.1	60.6	P/P	30 - 160
2294154	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	90.1	69.0	P/P	30 - 160
2294154	Perfluorobutanesulfonic acid (PFBS)	75.2	86.1	P/P	30 - 160
2294154	Perfluorobutanoic acid (PFBA)	72.2	79.3	P/P	30 - 160
2294154	Perfluorodecanesulfonic acid (PFDS)	66.7	65.9	P/P	30 - 160
2294154	Perfluorodecanoic acid (PFDA)	84.7	70.8	P/P	30 - 160
2294154	Perfluorododecanoic acid (PFDoA)	120	108	P/P	30 - 160
2294154	Perfluoroheptanesulfonic acid (PFHpS)	56.7	75.1	P/P	30 - 160
2294154	Perfluoroheptanoic acid (PFHpA)	85.1	67.6	P/P	30 - 160
2294154	Perfluorohexanesulfonic acid (PFHxS)	108	55.9	P/P	30 - 160
2294154	Perfluorohexanoic acid (PFHxA)	91.5	72.1	P/P	30 - 160
2294154	Perfluorononanesulfonic acid (PFNS)	81.2	78.7	P/P	30 - 160
2294154	Perfluorononanoic acid (PFNA)	82.3	68.9	P/P	30 - 160
2294154	Perfluorooctanesulfonic acid (PFOS)	104	110	P/P	30 - 160
2294154	Perfluorooctanoic acid (PFOA)	110	118	P/P	30 - 160
2294154	Perfluoropentanesulfonic acid (PFPeS)	88.6	83.1	P/P	30 - 160
2294154	Perfluoropentanoic acid (PFPeA)	93.0	94.8	P/P	30 - 160
2294154	Perfluoropropanesulfonic acid (PFPrS)	89.2	94.1	P/P	30 - 160
2294154	Perfluorotetradecanoic acid (PFTeA)	81.4	89.6	P/P	30 - 160
2294154	Perfluorotridecanoic acid (PFTriA)	117	90.8	P/P	30 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407209

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2294154	Perfluoroundecanoic acid (PFUnA)	85.7	101	P/P	30 - 160

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P406811

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2290633	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	5.40	Spike	P	0 - 35
2290633	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	5.62	Spike	P	0 - 35
2290633	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	3.27	Spike	P	0 - 35
2290633	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.08	Spike	P	0 - 35
2290633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.33	Spike	P	0 - 35
2290633	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.283	Spike	P	0 - 35
2290633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	6.98	Spike	P	0 - 35
2290633	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.63	Spike	P	0 - 35
2290633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	12.5	Spike	P	0 - 35
2290633	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.34	Spike	P	0 - 35
2290633	Perfluoro-1-butane sulfonamide (FBSA)	0.583	Spike	P	0 - 35
2290633	Perfluoro-1-hexane sulfonamide (FHxSA)	3.30	Spike	P	0 - 35
2290633	Perfluoro-1-octane sulfonamide (FOSA)	6.77	Spike	P	0 - 35
2290633	Perfluoro-3-methoxypropanoic acid (PFMPA)	18.9	Spike	P	0 - 35
2290633	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	5.05	Spike	P	0 - 35
2290633	Perfluoro-4-methoxybutanoic acid (PFMBA)	5.75	Spike	P	0 - 35
2290633	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	5.15	Spike	P	0 - 35
2290633	Perfluorobutanesulfonic acid (PFBS)	7.59	Spike	P	0 - 35
2290633	Perfluorobutanoic acid (PFBA)	22.5	Spike	P	0 - 35
2290633	Perfluorodecanesulfonic acid (PFDS)	3.48	Spike	P	0 - 35
2290633	Perfluorodecanoic acid (PFDA)	5.86	Spike	P	0 - 35
2290633	Perfluorododecanoic acid (PFDoA)	10.4	Spike	P	0 - 35
2290633	Perfluoroheptanesulfonic acid (PFHpS)	0.104	Spike	P	0 - 35
2290633	Perfluoroheptanoic acid (PFHpA)	2.18	Spike	P	0 - 35
2290633	Perfluorohexanesulfonic acid (PFHxS)	2.73	Spike	P	0 - 35
2290633	Perfluorohexanoic acid (PFHxA)	11.5	Spike	P	0 - 35
2290633	Perfluorononanesulfonic acid (PFNS)	1.78	Spike	P	0 - 35
2290633	Perfluorononanoic acid (PFNA)	3.76	Spike	P	0 - 35
2290633	Perfluorooctanesulfonic acid (PFOS)	7.00	Spike	P	0 - 35
2290633	Perfluorooctanoic acid (PFOA)	26.9	Spike	P	0 - 35
2290633	Perfluoropentanesulfonic acid (PFPeS)	11.2	Spike	P	0 - 35
2290633	Perfluoropentanoic acid (PFPeA)	8.63	Spike	P	0 - 35
2290633	Perfluoropropanesulfonic acid (PFPrS)	9.95	Spike	P	0 - 35
2290633	Perfluorotetradecanoic acid (PFTeA)	1.87	Spike	P	0 - 35
2290633	Perfluorotridecanoic acid (PFTriA)	3.38	Spike	P	0 - 35
2290633	Perfluoroundecanoic acid (PFUnA)	2.92	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3
Batch ID: P406812

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2291612	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.363	Spike	P	0 - 35
2291612	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	15.7	Spike	P	0 - 35
2291612	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	7.08	Spike	P	0 - 35
2291612	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1.96	Spike	P	0 - 35
2291612	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.19	Spike	P	0 - 35
2291612	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	7.46	Spike	P	0 - 35
2291612	Hexafluoropropylene oxide dimer acid (HFPO-DA)	22.3	Spike	P	0 - 35
2291612	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.88	Spike	P	0 - 35
2291612	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	8.19	Spike	P	0 - 35

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P406812

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2291612	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	19.2	Spike	P	0 - 35
2291612	Perfluoro-1-butane sulfonamide (FBSA)	11.1	Spike	P	0 - 35
2291612	Perfluoro-1-hexane sulfonamide (FHxSA)	27.6	Spike	P	0 - 35
2291612	Perfluoro-1-octane sulfonamide (FOSA)	9.00	Spike	P	0 - 35
2291612	Perfluoro-3-methoxypropanoic acid (PFMPA)	9.20	Spike	P	0 - 35
2291612	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	11.0	Spike	P	0 - 35
2291612	Perfluoro-4-methoxybutanoic acid (PFMBA)	9.98	Spike	P	0 - 35
2291612	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	5.65	Spike	P	0 - 35
2291612	Perfluorobutanesulfonic acid (PFBS)	6.32	Spike	P	0 - 35
2291612	Perfluorobutanoic acid (PFBA)	1.11	Spike	P	0 - 35
2291612	Perfluorodecanesulfonic acid (PFDS)	5.77	Spike	P	0 - 35
2291612	Perfluorodecanoic acid (PFDA)	0.533	Spike	P	0 - 35
2291612	Perfluorododecanoic acid (PFDoA)	29.5	Spike	P	0 - 35
2291612	Perfluoroheptanesulfonic acid (PFHpS)	1.40	Spike	P	0 - 35
2291612	Perfluoroheptanoic acid (PFHpA)	1.96	Spike	P	0 - 35
2291612	Perfluorohexanesulfonic acid (PFHxS)	9.52	Spike	P	0 - 35
2291612	Perfluorohexanoic acid (PFHxA)	8.30	Spike	P	0 - 35
2291612	Perfluorononanesulfonic acid (PFNS)	0.268	Spike	P	0 - 35
2291612	Perfluorononanoic acid (PFNA)	4.74	Spike	P	0 - 35
2291612	Perfluorooctanesulfonic acid (PFOS)	8.09	Spike	P	0 - 35
2291612	Perfluorooctanoic acid (PFOA)	24.8	Spike	P	0 - 35
2291612	Perfluoropentanesulfonic acid (PFPeS)	9.03	Spike	P	0 - 35
2291612	Perfluoropentanoic acid (PFPeA)	4.74	Spike	P	0 - 35
2291612	Perfluoropropanesulfonic acid (PFPrS)	2.80	Spike	P	0 - 35
2291612	Perfluorotetradecanoic acid (PFTeA)	3.15	Spike	P	0 - 35
2291612	Perfluorotridecanoic acid (PFTriA)	10.7	Spike	P	0 - 35
2291612	Perfluoroundecanoic acid (PFUnA)	19.2	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3
Batch ID: P406858

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2291675	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.09	Spike	P	0 - 35
2291675	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	10.3	Spike	P	0 - 35
2291675	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	9.47	Spike	P	0 - 35
2291675	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	5.62	Spike	P	0 - 35
2291675	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	24.9	Spike	P	0 - 35
2291675	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	1.26	Spike	P	0 - 35
2291675	Hexafluoropropylene oxide dimer acid (HFPO-DA)	10.1	Spike	P	0 - 35
2291675	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.01	Spike	P	0 - 35
2291675	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	12.4	Spike	P	0 - 35
2291675	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	6.60	Spike	P	0 - 35
2291675	Perfluoro-1-butane sulfonamide (FBSA)	2.38	Spike	P	0 - 35
2291675	Perfluoro-1-hexane sulfonamide (FHxSA)	2.07	Spike	P	0 - 35
2291675	Perfluoro-1-octane sulfonamide (FOSA)	2.36	Spike	P	0 - 35
2291675	Perfluoro-3-methoxypropanoic acid (PFMPA)	2.40	Spike	P	0 - 35
2291675	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	5.91	Spike	P	0 - 35
2291675	Perfluoro-4-methoxybutanoic acid (PFMBA)	8.70	Spike	P	0 - 35
2291675	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	9.33	Spike	P	0 - 35
2291675	Perfluorobutanesulfonic acid (PFBS)	4.78	Spike	P	0 - 35

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P406858

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2291675	Perfluorobutanoic acid (PFBA)	5.06	Spike	P	0 - 35
2291675	Perfluorodecanesulfonic acid (PFDS)	1.91	Spike	P	0 - 35
2291675	Perfluorodecanoic acid (PFDA)	9.19	Spike	P	0 - 35
2291675	Perfluorododecanoic acid (PFDoA)	13.6	Spike	P	0 - 35
2291675	Perfluoroheptanesulfonic acid (PFHpS)	0.707	Spike	P	0 - 35
2291675	Perfluoroheptanoic acid (PFHpA)	8.41	Spike	P	0 - 35
2291675	Perfluorohexanesulfonic acid (PFHxS)	6.63	Spike	P	0 - 35
2291675	Perfluorohexanoic acid (PFHxA)	10.1	Spike	P	0 - 35
2291675	Perfluorononanesulfonic acid (PFNS)	3.91	Spike	P	0 - 35
2291675	Perfluorononanoic acid (PFNA)	15.4	Spike	P	0 - 35
2291675	Perfluorooctanesulfonic acid (PFOS)	3.62	Spike	P	0 - 35
2291675	Perfluorooctanoic acid (PFOA)	1.77	Spike	P	0 - 35
2291675	Perfluoropentanesulfonic acid (PFPeS)	2.94	Spike	P	0 - 35
2291675	Perfluoropentanoic acid (PFPeA)	3.25	Spike	P	0 - 35
2291675	Perfluoropropanesulfonic acid (PFPrS)	13.6	Spike	P	0 - 35
2291675	Perfluorotetradecanoic acid (PFTeA)	0.313	Spike	P	0 - 35
2291675	Perfluorotridecanoic acid (PFTriA)	14.4	Spike	P	0 - 35
2291675	Perfluoroundecanoic acid (PFUnA)	19.1	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3
Batch ID: P406859

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2291715	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	1.10	Spike	P	0 - 35
2291715	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	4.27	Spike	P	0 - 35
2291715	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	16.8	Spike	P	0 - 35
2291715	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	3.76	Spike	P	0 - 35
2291715	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	14.1	Spike	P	0 - 35
2291715	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	5.43	Spike	P	0 - 35
2291715	Hexafluoropropylene oxide dimer acid (HFPO-DA)	20.3	Spike	P	0 - 35
2291715	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.42	Spike	P	0 - 35
2291715	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	14.8	Spike	P	0 - 35
2291715	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	15.7	Spike	P	0 - 35
2291715	Perfluoro-1-butane sulfonamide (FBSA)	2.18	Spike	P	0 - 35
2291715	Perfluoro-1-hexane sulfonamide (FHxSA)	2.89	Spike	P	0 - 35
2291715	Perfluoro-1-octane sulfonamide (FOSA)	0.424	Spike	P	0 - 35
2291715	Perfluoro-3-methoxypropanoic acid (PFMPA)	0.222	Spike	P	0 - 35
2291715	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.67	Spike	P	0 - 35
2291715	Perfluoro-4-methoxybutanoic acid (PFMBA)	9.09	Spike	P	0 - 35
2291715	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	6.57	Spike	P	0 - 35
2291715	Perfluorobutanesulfonic acid (PFBS)	8.35	Spike	P	0 - 35
2291715	Perfluorobutanoic acid (PFBA)	2.92	Spike	P	0 - 35
2291715	Perfluorodecanesulfonic acid (PFDS)	0.520	Spike	P	0 - 35
2291715	Perfluorodecanoic acid (PFDA)	1.35	Spike	P	0 - 35
2291715	Perfluorododecanoic acid (PFDoA)	12.0	Spike	P	0 - 35
2291715	Perfluoroheptanesulfonic acid (PFHpS)	3.62	Spike	P	0 - 35
2291715	Perfluoroheptanoic acid (PFHpA)	10.4	Spike	P	0 - 35
2291715	Perfluorohexanesulfonic acid (PFHxS)	5.81	Spike	P	0 - 35
2291715	Perfluorohexanoic acid (PFHxA)	15.9	Spike	P	0 - 35
2291715	Perfluorononanesulfonic acid (PFNS)	1.76	Spike	P	0 - 35

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P406859

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2291715	Perfluorononanoic acid (PFNA)	13.9	Spike	P	0 - 35
2291715	Perfluorooctanesulfonic acid (PFOS)	0.953	Spike	P	0 - 35
2291715	Perfluorooctanoic acid (PFOA)	7.11	Spike	P	0 - 35
2291715	Perfluoropentanesulfonic acid (PFPeS)	6.12	Spike	P	0 - 35
2291715	Perfluoropentanoic acid (PFPeA)	1.91	Spike	P	0 - 35
2291715	Perfluoropropanesulfonic acid (PFPrS)	4.50	Spike	P	0 - 35
2291715	Perfluorotetradecanoic acid (PFTeA)	3.58	Spike	P	0 - 35
2291715	Perfluorotridecanoic acid (PFTriA)	9.21	Spike	P	0 - 35
2291715	Perfluoroundecanoic acid (PFUnA)	17.5	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3
Batch ID: P406864

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2291755	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.90	Spike	P	0 - 35
2291755	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	7.94	Spike	P	0 - 35
2291755	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	5.92	Spike	P	0 - 35
2291755	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	12.9	Spike	P	0 - 35
2291755	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.468	Spike	P	0 - 35
2291755	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	1.04	Spike	P	0 - 35
2291755	Hexafluoropropylene oxide dimer acid (HFPO-DA)	12.1	Spike	P	0 - 35
2291755	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.71	Spike	P	0 - 35
2291755	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.86	Spike	P	0 - 35
2291755	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	17.6	Spike	P	0 - 35
2291755	Perfluoro-1-butane sulfonamide (FBSA)	12.7	Spike	P	0 - 35
2291755	Perfluoro-1-hexane sulfonamide (FHxSA)	13.6	Spike	P	0 - 35
2291755	Perfluoro-1-octane sulfonamide (FOSA)	2.55	Spike	P	0 - 35
2291755	Perfluoro-3-methoxypropanoic acid (PFMPA)	2.17	Spike	P	0 - 35
2291755	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.03	Spike	P	0 - 35
2291755	Perfluoro-4-methoxybutanoic acid (PFMBA)	19.8	Spike	P	0 - 35
2291755	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	28.6	Spike	P	0 - 35
2291755	Perfluorobutanesulfonic acid (PFBS)	14.7	Spike	P	0 - 35
2291755	Perfluorobutanoic acid (PFBA)	17.9	Spike	P	0 - 35
2291755	Perfluorodecanesulfonic acid (PFDS)	4.84	Spike	P	0 - 35
2291755	Perfluorodecanoic acid (PFDA)	3.78	Spike	P	0 - 35
2291755	Perfluorododecanoic acid (PFDoA)	2.63	Spike	P	0 - 35
2291755	Perfluoroheptanesulfonic acid (PFHpS)	0.619	Spike	P	0 - 35
2291755	Perfluoroheptanoic acid (PFHpA)	8.59	Spike	P	0 - 35
2291755	Perfluorohexanesulfonic acid (PFHxS)	3.05	Spike	P	0 - 35
2291755	Perfluorohexanoic acid (PFHxA)	9.09	Spike	P	0 - 35
2291755	Perfluorononanesulfonic acid (PFNS)	4.77	Spike	P	0 - 35
2291755	Perfluorononanoic acid (PFNA)	2.92	Spike	P	0 - 35
2291755	Perfluorooctanesulfonic acid (PFOS)	1.76	Spike	P	0 - 35
2291755	Perfluorooctanoic acid (PFOA)	16.5	Spike	P	0 - 35
2291755	Perfluoropentanesulfonic acid (PFPeS)	17.4	Spike	P	0 - 35
2291755	Perfluoropentanoic acid (PFPeA)	5.60	Spike	P	0 - 35
2291755	Perfluoropropanesulfonic acid (PFPrS)	8.21	Spike	P	0 - 35
2291755	Perfluorotetradecanoic acid (PFTeA)	10.9	Spike	P	0 - 35
2291755	Perfluorotridecanoic acid (PFTriA)	9.78	Spike	P	0 - 35
2291755	Perfluoroundecanoic acid (PFUnA)	6.66	Spike	P	0 - 35

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P407000

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2291795	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	9.72	Spike	P	0 - 35
2291795	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.44	Spike	P	0 - 35
2291795	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.584	Spike	P	0 - 35
2291795	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	12.0	Spike	P	0 - 35
2291795	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.67	Spike	P	0 - 35
2291795	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.874	Spike	P	0 - 35
2291795	Hexafluoropropylene oxide dimer acid (HFPO-DA)	14.6	Spike	P	0 - 35
2291795	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	13.0	Spike	P	0 - 35
2291795	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	10.9	Spike	P	0 - 35
2291795	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.87	Spike	P	0 - 35
2291795	Perfluoro-1-butane sulfonamide (FBSA)	1.66	Spike	P	0 - 35
2291795	Perfluoro-1-hexane sulfonamide (FHxSA)	7.62	Spike	P	0 - 35
2291795	Perfluoro-1-octane sulfonamide (FOSA)	0.242	Spike	P	0 - 35
2291795	Perfluoro-3-methoxypropanoic acid (PFMPA)	5.16	Spike	P	0 - 35
2291795	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	2.05	Spike	P	0 - 35
2291795	Perfluoro-4-methoxybutanoic acid (PFMBA)	0.204	Spike	P	0 - 35
2291795	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	7.08	Spike	P	0 - 35
2291795	Perfluorobutanesulfonic acid (PFBS)	0.988	Spike	P	0 - 35
2291795	Perfluorobutanoic acid (PFBA)	3.54	Spike	P	0 - 35
2291795	Perfluorodecanesulfonic acid (PFDS)	2.32	Spike	P	0 - 35
2291795	Perfluorodecanoic acid (PFDA)	5.12	Spike	P	0 - 35
2291795	Perfluorododecanoic acid (PFDoA)	27.6	Spike	P	0 - 35
2291795	Perfluoroheptanesulfonic acid (PFHpS)	5.69	Spike	P	0 - 35
2291795	Perfluoroheptanoic acid (PFHpA)	1.77	Spike	P	0 - 35
2291795	Perfluorohexanesulfonic acid (PFHxS)	3.96	Spike	P	0 - 35
2291795	Perfluorohexanoic acid (PFHxA)	23.8	Spike	P	0 - 35
2291795	Perfluorononanesulfonic acid (PFNS)	6.79	Spike	P	0 - 35
2291795	Perfluorononanoic acid (PFNA)	2.90	Spike	P	0 - 35
2291795	Perfluorooctanesulfonic acid (PFOS)	5.31	Spike	P	0 - 35
2291795	Perfluorooctanoic acid (PFOA)	6.88	Spike	P	0 - 35
2291795	Perfluoropentanesulfonic acid (PFPeS)	0.605	Spike	P	0 - 35
2291795	Perfluoropentanoic acid (PFPeA)	11.2	Spike	P	0 - 35
2291795	Perfluoropropanesulfonic acid (PFPrS)	2.55	Spike	P	0 - 35
2291795	Perfluorotetradecanoic acid (PFTeA)	2.38	Spike	P	0 - 35
2291795	Perfluorotridecanoic acid (PFTriA)	19.2	Spike	P	0 - 35
2291795	Perfluoroundecanoic acid (PFUnA)	1.26	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3
Batch ID: P407140

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292071	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	8.47	Spike	P	0 - 30
2292071	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	6.04	Spike	P	0 - 30
2292071	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	14.2	Spike	P	0 - 30
2292071	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	7.88	Spike	P	0 - 30
2292071	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	14.5	Spike	P	0 - 30
2292071	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.548	Spike	P	0 - 30
2292071	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13.0	Spike	P	0 - 30
2292071	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.96	Spike	P	0 - 30
2292071	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	19.0	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P407140

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292071	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.12	Spike	P	0 - 30
2292071	Perfluoro-1-butane sulfonamide (FBSA)	9.29	Spike	P	0 - 30
2292071	Perfluoro-1-hexane sulfonamide (FHxSA)	5.28	Spike	P	0 - 30
2292071	Perfluoro-1-octane sulfonamide (FOSA)	5.32	Spike	P	0 - 30
2292071	Perfluoro-3-methoxypropanoic acid (PFMPA)	0.323	Spike	P	0 - 30
2292071	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.662	Spike	P	0 - 30
2292071	Perfluoro-4-methoxybutanoic acid (PFMBA)	6.88	Spike	P	0 - 30
2292071	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	37.5	Spike	F	0 - 30
2292071	Perfluorobutanesulfonic acid (PFBS)	1.34	Spike	P	0 - 30
2292071	Perfluorobutanoic acid (PFBA)	0.484	Spike	P	0 - 30
2292071	Perfluorodecanesulfonic acid (PFDS)	7.85	Spike	P	0 - 30
2292071	Perfluorodecanoic acid (PFDA)	22.1	Spike	P	0 - 30
2292071	Perfluorododecanoic acid (PFDoA)	0.669	Spike	P	0 - 30
2292071	Perfluoroheptanesulfonic acid (PFHpS)	3.14	Spike	P	0 - 30
2292071	Perfluoroheptanoic acid (PFHpA)	0.109	Spike	P	0 - 30
2292071	Perfluorohexanesulfonic acid (PFHxS)	2.80	Spike	P	0 - 30
2292071	Perfluorohexanoic acid (PFHxA)	11.3	Spike	P	0 - 30
2292071	Perfluorononanesulfonic acid (PFNS)	12.6	Spike	P	0 - 30
2292071	Perfluorononanoic acid (PFNA)	11.8	Spike	P	0 - 30
2292071	Perfluorooctanesulfonic acid (PFOS)	1.31	Spike	P	0 - 30
2292071	Perfluorooctanoic acid (PFOA)	6.95	Spike	P	0 - 30
2292071	Perfluoropentanesulfonic acid (PFPeS)	38.5	Spike	F	0 - 30
2292071	Perfluoropentanoic acid (PFPeA)	17.3	Spike	P	0 - 30
2292071	Perfluoropropanesulfonic acid (PFPrS)	25.0	Spike	P	0 - 30
2292071	Perfluorotetradecanoic acid (PFTeA)	2.38	Spike	P	0 - 30
2292071	Perfluorotridecanoic acid (PFTriA)	26.7	Spike	P	0 - 30
2292071	Perfluoroundecanoic acid (PFUnA)	14.8	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3
Batch ID: P407209

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2294154	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	1.77	Spike	P	0 - 30
2294154	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	6.09	Spike	P	0 - 30
2294154	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	9.03	Spike	P	0 - 30
2294154	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	7.17	Spike	P	0 - 30
2294154	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.09	Spike	P	0 - 30
2294154	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	6.41	Spike	P	0 - 30
2294154	Hexafluoropropylene oxide dimer acid (HFPO-DA)	27.4	Spike	P	0 - 30
2294154	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.88	Spike	P	0 - 30
2294154	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	17.2	Spike	P	0 - 30
2294154	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.96	Spike	P	0 - 30
2294154	Perfluoro-1-butane sulfonamide (FBSA)	25.1	Spike	P	0 - 30
2294154	Perfluoro-1-hexane sulfonamide (FHxSA)	7.25	Spike	P	0 - 30
2294154	Perfluoro-1-octane sulfonamide (FOSA)	16.3	Spike	P	0 - 30
2294154	Perfluoro-3-methoxypropanoic acid (PFMPA)	2.64	Spike	P	0 - 30
2294154	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	26.3	Spike	P	0 - 30
2294154	Perfluoro-4-methoxybutanoic acid (PFMBA)	20.0	Spike	P	0 - 30
2294154	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	26.5	Spike	P	0 - 30
2294154	Perfluorobutanesulfonic acid (PFBS)	9.90	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P407209

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2294154	Perfluorobutanoic acid (PFBA)	6.80	Spike	P	0 - 30
2294154	Perfluorodecanesulfonic acid (PFDS)	1.21	Spike	P	0 - 30
2294154	Perfluorodecanoic acid (PFDA)	17.9	Spike	P	0 - 30
2294154	Perfluorododecanoic acid (PFDoA)	10.1	Spike	P	0 - 30
2294154	Perfluoroheptanesulfonic acid (PFHpS)	23.9	Spike	P	0 - 30
2294154	Perfluoroheptanoic acid (PFHpA)	15.4	Spike	P	0 - 30
2294154	Perfluorohexanesulfonic acid (PFHxS)	21.6	Spike	P	0 - 30
2294154	Perfluorohexanoic acid (PFHxA)	14.4	Spike	P	0 - 30
2294154	Perfluorononanesulfonic acid (PFNS)	3.13	Spike	P	0 - 30
2294154	Perfluorononanoic acid (PFNA)	17.7	Spike	P	0 - 30
2294154	Perfluorooctanesulfonic acid (PFOS)	1.79	Spike	P	0 - 30
2294154	Perfluorooctanoic acid (PFOA)	3.69	Spike	P	0 - 30
2294154	Perfluoropentanesulfonic acid (PFPeS)	5.10	Spike	P	0 - 30
2294154	Perfluoropentanoic acid (PFPeA)	1.27	Spike	P	0 - 30
2294154	Perfluoropropanesulfonic acid (PFPrS)	5.35	Spike	P	0 - 30
2294154	Perfluorotetradecanoic acid (PFTeA)	9.59	Spike	P	0 - 30
2294154	Perfluorotridecanoic acid (PFTriA)	25.5	Spike	P	0 - 30
2294154	Perfluoroundecanoic acid (PFUnA)	16.7	Spike	P	0 - 30

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report
Surrogates

Lab Sample ID: 2291597
Field Sample ID: DEPSB-32-0.5

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	Perfluorobutanesulfonate-13C	55.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	83.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	70.9	P	30 - 160

Lab Sample ID: 2291598
Field Sample ID: DEPSB-32-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	89.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	54.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	96.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	74.6	P	30 - 160

Lab Sample ID: 2291599
Field Sample ID: DEPSB-33-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	92.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.8	P	30 - 160

Lab Sample ID: 2291600
Field Sample ID: DEPSB-33-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	86.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	76.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.2	P	30 - 160

Lab Sample ID: 2291601
Field Sample ID: DEPSB-34-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	99.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	94.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	81.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.5	P	30 - 160

Lab Sample ID: 2291602
Field Sample ID: DEPSB-34-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	94.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	68.2	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2291602
Field Sample ID: DEPSB-34-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	85.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	68.5	P	30 - 160

Lab Sample ID: 2291603
Field Sample ID: DEPSB-35-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	59.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	96.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	98.3	P	30 - 160

Lab Sample ID: 2291604
Field Sample ID: DEPSB-35-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	160	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	65.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	150	P	30 - 160

Lab Sample ID: 2291605
Field Sample ID: DEPSB-36-0.5

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	Perfluorobutanesulfonate-13C	66.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	95.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	82.5	P	30 - 160

Lab Sample ID: 2291606
Field Sample ID: DEPSB-36-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	78.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	64.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	99.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	82.7	P	30 - 160

Lab Sample ID: 2291607
Field Sample ID: DEPSB-37-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	87.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	64.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	95.6	P	30 - 160

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Lab Sample ID: 2291607
Field Sample ID: DEPSB-37-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.5	P	30 - 160

Lab Sample ID: 2291608
Field Sample ID: DEPSB-37-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	83.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	96.0	P	30 - 160

Lab Sample ID: 2291609
Field Sample ID: DEPSB-38-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	97.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	88.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	85.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	97.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.1	P	30 - 160

Lab Sample ID: 2291610
Field Sample ID: DEPSB-38-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	71.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	87.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	78.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	77.5	P	30 - 160

Lab Sample ID: 2291611
Field Sample ID: DEPSB-39-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	96.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	73.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.3	P	30 - 160

Lab Sample ID: 2291612
Field Sample ID: DEPSB-39-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	91.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	157	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	100	P	30 - 160

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Lab Sample ID: 2291613
Field Sample ID: DEPSB-40-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	68.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	96.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	71.0	P	30 - 160

Lab Sample ID: 2291614
Field Sample ID: DEPSB-40-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	80.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	105	P	30 - 160

Lab Sample ID: 2291615
Field Sample ID: DEPSB-41-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	81.3	P	30 - 160

Lab Sample ID: 2291616
Field Sample ID: DEPSB-41-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	78.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	85.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.3	P	30 - 160

Lab Sample ID: 2291660
Field Sample ID: DEPSB-42-0.5

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	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	96.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.7	P	30 - 160

Lab Sample ID: 2291661
Field Sample ID: DEPSB-42-2.0

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	Perfluorobutanesulfonate-13C	88.3	P	30 - 160

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Lab Sample ID: 2291661
Field Sample ID: DEPSB-42-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	79.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	76.3	P	30 - 160

Lab Sample ID: 2291662
Field Sample ID: DEPSB-43-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	78.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	92.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.9	P	30 - 160

Lab Sample ID: 2291663
Field Sample ID: DEPSB-43-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	84.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.5	P	30 - 160

Lab Sample ID: 2291664
Field Sample ID: DEPSB-44-0.5

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	Perfluorobutanesulfonate-13C	98.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	91.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.9	P	30 - 160

Lab Sample ID: 2291665
Field Sample ID: DEPSB-44-2.0

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	Perfluorobutanesulfonate-13C	94.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	83.0	P	30 - 160

Lab Sample ID: 2291666
Field Sample ID: DEPSB-45-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	84.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	91.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160

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Lab Sample ID: 2291666
Field Sample ID: DEPSB-45-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	96.4	P	30 - 160

Lab Sample ID: 2291667
Field Sample ID: DEPSB-45-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	93.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	99.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	91.9	P	30 - 160

Lab Sample ID: 2291668
Field Sample ID: DEPSB-46-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	81.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	96.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.8	P	30 - 160

Lab Sample ID: 2291669
Field Sample ID: DEPSB-46-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	68.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	60.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	58.9	P	30 - 160

Lab Sample ID: 2291670
Field Sample ID: DEPSB-47-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	85.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	80.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.8	P	30 - 160

Lab Sample ID: 2291671
Field Sample ID: DEPSB-47-2.0

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	Perfluorobutanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	90.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.3	P	30 - 160

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Lab Sample ID: 2291672
Field Sample ID: DEPSB-48-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	76.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	82.3	P	30 - 160

Lab Sample ID: 2291673
Field Sample ID: DEPSB-48-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	69.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	156	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	151	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	134	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	98.8	P	30 - 160

Lab Sample ID: 2291674
Field Sample ID: DEPSB-49-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	78.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	93.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	94.8	P	30 - 160

Lab Sample ID: 2291675
Field Sample ID: DEPSB-49-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	59.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	63.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	74.1	P	30 - 160

Lab Sample ID: 2291676
Field Sample ID: DEPSB-50-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	75.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	84.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.6	P	30 - 160

Lab Sample ID: 2291677
Field Sample ID: DEPSB-50-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	75.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	104	P	30 - 160

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Lab Sample ID: 2291677
Field Sample ID: DEPSB-50-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	97.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	80.9	P	30 - 160

Lab Sample ID: 2291678
Field Sample ID: DEPSB-51-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	78.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	94.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.1	P	30 - 160

Lab Sample ID: 2291679
Field Sample ID: DEPSB-51-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	72.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	96.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	91.1	P	30 - 160

Lab Sample ID: 2291700
Field Sample ID: DEPSB-52-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	63.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	99.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	97.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.6	P	30 - 160

Lab Sample ID: 2291701
Field Sample ID: DEPSB-52-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	84.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	122	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	80.9	P	30 - 160

Lab Sample ID: 2291702
Field Sample ID: DEPSB-53-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	75.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	118	P	30 - 160

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Lab Sample ID: 2291702
Field Sample ID: DEPSB-53-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	90.2	P	30 - 160

Lab Sample ID: 2291703
Field Sample ID: DEPSB-53-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	72.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	120	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.0	P	30 - 160

Lab Sample ID: 2291704
Field Sample ID: DEPSB-54-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	47.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	125	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	81.4	P	30 - 160

Lab Sample ID: 2291705
Field Sample ID: DEPSB-54-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	58.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.8	P	30 - 160

Lab Sample ID: 2291706
Field Sample ID: DEPSB-55-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	54.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	66.6	P	30 - 160

Lab Sample ID: 2291707
Field Sample ID: DEPSB-55-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	59.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	64.4	P	30 - 160

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Lab Sample ID: 2291708
Field Sample ID: DEPSB-56-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	48.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	65.9	P	30 - 160

Lab Sample ID: 2291709
Field Sample ID: DEPSB-56-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	66.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	97.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.8	P	30 - 160

Lab Sample ID: 2291710
Field Sample ID: DEPSB-57-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	59.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.8	P	30 - 160

Lab Sample ID: 2291711
Field Sample ID: DEPSB-57-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	70.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	122	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	95.8	P	30 - 160

Lab Sample ID: 2291712
Field Sample ID: DEPSB-58-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	56.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	78.8	P	30 - 160

Lab Sample ID: 2291713
Field Sample ID: DEPSB-58-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	55.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160

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Lab Sample ID: 2291713
Field Sample ID: DEPSB-58-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	98.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.6	P	30 - 160

Lab Sample ID: 2291714
Field Sample ID: DEPSB-59-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	98.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.5	P	30 - 160

Lab Sample ID: 2291715
Field Sample ID: DEPSB-59-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	64.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.0	P	30 - 160

Lab Sample ID: 2291716
Field Sample ID: DEPSB-60-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	85.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	98.3	P	30 - 160

Lab Sample ID: 2291717
Field Sample ID: DEPSB-60-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	92.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	83.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.4	P	30 - 160

Lab Sample ID: 2291718
Field Sample ID: DEPSB-61-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	50.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160

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Lab Sample ID: 2291718
Field Sample ID: DEPSB-61-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	66.5	P	30 - 160

Lab Sample ID: 2291719
Field Sample ID: DEPSB-61-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	84.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	81.5	P	30 - 160

Lab Sample ID: 2291740
Field Sample ID: DEPSB-62-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.2	P	30 - 160

Lab Sample ID: 2291741
Field Sample ID: DEPSB-62-2.0

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	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.5	P	30 - 160

Lab Sample ID: 2291742
Field Sample ID: DEPSB-63-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	50.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	75.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	74.3	P	30 - 160

Lab Sample ID: 2291743
Field Sample ID: DEPSB-63-2.0

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	Perfluorobutanesulfonate-13C	97.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	129	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	75.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	80.1	P	30 - 160

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Lab Sample ID: 2291744
Field Sample ID: DEPSB-64-0.5

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	Perfluorobutanesulfonate-13C	75.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.5	P	30 - 160

Lab Sample ID: 2291745
Field Sample ID: DEPSB-64-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	80.5	P	30 - 160

Lab Sample ID: 2291746
Field Sample ID: DEPSB-65-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	68.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	99.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	91.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.6	P	30 - 160

Lab Sample ID: 2291747
Field Sample ID: DEPSB-65-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	45.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	61.4	P	30 - 160

Lab Sample ID: 2291748
Field Sample ID: DEPSB-66-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	53.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	71.5	P	30 - 160

Lab Sample ID: 2291749
Field Sample ID: DEPSB-66-2.0

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	Perfluorobutanesulfonate-13C	67.9	P	30 - 160

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Lab Sample ID: 2291749
Field Sample ID: DEPSB-66-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	132	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	76.4	P	30 - 160

Lab Sample ID: 2291750
Field Sample ID: DEPSB-67-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	75.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	85.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	77.2	P	30 - 160

Lab Sample ID: 2291751
Field Sample ID: DEPSB-67-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	65.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	67.4	P	30 - 160

Lab Sample ID: 2291752
Field Sample ID: DEPSB-68-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	59.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	83.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	160	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	83.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	95.9	P	30 - 160

Lab Sample ID: 2291753
Field Sample ID: DEPSB-68-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	52.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	157	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	66.4	P	30 - 160

Lab Sample ID: 2291754
Field Sample ID: DEPSB-69-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	58.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	66.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.5	P	30 - 160

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Lab Sample ID: 2291754
Field Sample ID: DEPSB-69-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	69.7	P	30 - 160

Lab Sample ID: 2291755
Field Sample ID: DEPSB-69-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.6	P	30 - 160

Lab Sample ID: 2291756
Field Sample ID: DEPSB-70-0.5

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	Perfluorobutanesulfonate-13C	76.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	68.6	P	30 - 160

Lab Sample ID: 2291757
Field Sample ID: DEPSB-70-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	69.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	95.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	85.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	68.1	P	30 - 160

Lab Sample ID: 2291758
Field Sample ID: DEPSB-71-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.3	P	30 - 160

Lab Sample ID: 2291759
Field Sample ID: DEPSB-71-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	99.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.4	P	30 - 160

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Lab Sample ID: 2291780
Field Sample ID: DEPSB-72-0.5

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	Perfluorobutanesulfonate-13C	90.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	125	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	82.1	P	30 - 160

Lab Sample ID: 2291781
Field Sample ID: DEPSB-72-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	75.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	77.3	P	30 - 160

Lab Sample ID: 2291782
Field Sample ID: DEPSB-73-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	66.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	74.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	80.0	P	30 - 160

Lab Sample ID: 2291783
Field Sample ID: DEPSB-73-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	83.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.3	P	30 - 160

Lab Sample ID: 2291784
Field Sample ID: DEPSB-74-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	89.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	90.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	94.6	P	30 - 160

Lab Sample ID: 2291785
Field Sample ID: DEPSB-74-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	70.1	P	30 - 160

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Lab Sample ID: 2291785
Field Sample ID: DEPSB-74-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	78.3	P	30 - 160

Lab Sample ID: 2291786
Field Sample ID: DEPSB-75-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	73.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	82.0	P	30 - 160

Lab Sample ID: 2291787
Field Sample ID: DEPSB-75-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	78.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	73.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	78.0	P	30 - 160

Lab Sample ID: 2291788
Field Sample ID: DEPSB-76-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	79.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	96.8	P	30 - 160

Lab Sample ID: 2291789
Field Sample ID: DEPSB-76-2.0

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	Perfluorobutanesulfonate-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	100	P	30 - 160

Lab Sample ID: 2291790
Field Sample ID: DEPSB-77-0.5

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	Perfluorobutanesulfonate-13C	71.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160

Quality Assurance Report
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Lab Sample ID: 2291790
Field Sample ID: DEPSB-77-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	62.1	P	30 - 160

Lab Sample ID: 2291791
Field Sample ID: DEPSB-77-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	94.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	97.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	105	P	30 - 160

Lab Sample ID: 2291792
Field Sample ID: DEPSB-77-2.5

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	Perfluorobutanesulfonate-13C	85.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2291793
Field Sample ID: DEPSB-78-0.5

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	Perfluorobutanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	96.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	95.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	97.4	P	30 - 160

Lab Sample ID: 2291794
Field Sample ID: DEPSB-78-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	71.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	64.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	97.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	68.6	P	30 - 160

Lab Sample ID: 2291795
Field Sample ID: DEPSB-78-2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.6	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2291796
Field Sample ID: DEPSB-79-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	87.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.4	P	30 - 160

Lab Sample ID: 2291797
Field Sample ID: DEPSB-79-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	86.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	79.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	91.4	P	30 - 160

Lab Sample ID: 2291798
Field Sample ID: DEPSB-79-2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	67.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	94.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	75.1	P	30 - 160

Lab Sample ID: 2291799
Field Sample ID: DEPSB-80-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	71.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	80.2	P	30 - 160

Lab Sample ID: 2291820
Field Sample ID: DEPSB-80-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	46.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	123	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	58.0	P	30 - 160

Lab Sample ID: 2291821
Field Sample ID: DEPSB-80-2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	81.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	81.2	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2291821
Field Sample ID: DEPSB-80-2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	83.2	P	30 - 160

Lab Sample ID: 2291822
Field Sample ID: DEPSB-81-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	84.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	76.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	77.8	P	30 - 160

Lab Sample ID: 2291823
Field Sample ID: DEPSB-81-2.0

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	Perfluorobutanesulfonate-13C	92.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	95.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.4	P	30 - 160

Lab Sample ID: 2291824
Field Sample ID: DEPSB-81-2.5

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	Perfluorobutanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	97.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.2	P	30 - 160

Lab Sample ID: 2291825
Field Sample ID: EQB-HA-4

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	86.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	94.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	122	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	80.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	69.7	P	30 - 160

Lab Sample ID: 2291826
Field Sample ID: EQB-HA-5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	58.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	99.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2291826
Field Sample ID: EQB-HA-5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	73.5	P	30 - 160

Lab Sample ID: 2291827
Field Sample ID: EQB-HA-6

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	94.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	131	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	92.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	116	P	30 - 160

Lab Sample ID: 2291828
Field Sample ID: EQB-HA-7

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	72.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	96.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.8	P	30 - 160

Lab Sample ID: 2291829
Field Sample ID: EQB-HA-8

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	93.9	P	30 - 160
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	97.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	149	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	97.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	79.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.4	P	30 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109187

Included Lab Sample IDs: 2291597, 2291598, 2291599, 2291600, 2291601, 2291602, 2291603, 2291604, 2291605, 2291606, 2291607, 2291608, 2291609, 2291610, 2291611, 2291612, 2291613, 2291614, 2291615, 2291616, 2291660, 2291661, 2291662, 2291663, 2291664, 2291665, 2291666, 2291667, 2291668, 2291669, 2291670, 2291671, 2291672, 2291673, 2291674

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	101	102	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	102	71.0	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	107	66.2	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	71.0	107	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	99.5	101	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	104	108	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	108	123	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	123	95.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	126	139	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	95.6	126	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	100	93.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	80.6	100	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	80.8	80.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	88.6	80.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	93.8	94.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	65.5	80.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	72.6	79.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	76.7	72.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	77.0	65.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	80.9	76.7	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	82.4	86.9	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	83.1	97.9	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	86.9	96.3	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	96.3	83.1	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	97.9	86.7	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	105	99.2	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	108	111	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	111	105	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	97.6	99.7	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	99.7	108	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	79.0	86.1	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	83.6	89.6	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	86.0	83.6	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	86.1	86.0	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	89.6	106	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	72.9	76.5	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	76.5	83.8	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	83.8	89.5	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	89.5	86.9	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.2	72.9	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	64.1	69.3	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	66.1	64.1	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	73.1	66.1	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	74.4	79.2	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	79.2	73.1	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	61.9	78.6	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	62.0	83.6	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	74.3	61.9	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	78.6	69.5	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109187

Included Lab Sample IDs: 2291597, 2291598, 2291599, 2291600, 2291601, 2291602, 2291603, 2291604, 2291605, 2291606, 2291607, 2291608, 2291609, 2291610, 2291611, 2291612, 2291613, 2291614, 2291615, 2291616, 2291660, 2291661, 2291662, 2291663, 2291664, 2291665, 2291666, 2291667, 2291668, 2291669, 2291670, 2291671, 2291672, 2291673, 2291674

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	83.6	74.3	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	152	92.5	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	92.5	88.0	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	92.5	98.6	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	98.6	99.8	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	99.8	152	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	129	84.9	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	82.3	81.6	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	83.5	93.4	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	84.9	81.4	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	90.1	129	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	93.4	90.1	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	85.7	87.9	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	86.7	94.7	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	87.9	87.1	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	89.4	90.4	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	90.4	93.0	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	93.0	85.7	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	115	85.5	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	85.5	99.7	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	89.0	97.3	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	97.3	94.9	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	99.7	89.0	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	101	107	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	102	107	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	106	101	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	107	109	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	109	102	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	103	60.0	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	120	88.9	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	88.9	94.6	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	91.6	103	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	94.6	91.6	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	83.8	88.3	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	88.3	97.2	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	92.8	103	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	96.6	92.8	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	97.2	96.6	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	88.7	93.1	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	89.8	84.9	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	89.8	90.6	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	90.6	89.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	93.1	89.8	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	74.4	79.8	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	76.4	101	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	76.8	84.0	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	79.8	76.8	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	84.0	76.4	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	111	115	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109187

Included Lab Sample IDs: 2291597, 2291598, 2291599, 2291600, 2291601, 2291602, 2291603, 2291604, 2291605, 2291606, 2291607, 2291608, 2291609, 2291610, 2291611, 2291612, 2291613, 2291614, 2291615, 2291616, 2291660, 2291661, 2291662, 2291663, 2291664, 2291665, 2291666, 2291667, 2291668, 2291669, 2291670, 2291671, 2291672, 2291673, 2291674

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorodecanesulfonic acid (PFDS)	112	111	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	115	68.0	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	117	112	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	68.0	117	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	103	79.7	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	71.2	103	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	79.7	98.6	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	82.8	71.2	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	90.2	82.8	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	102	91.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	82.8	98.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	90.4	102	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	91.7	82.8	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	98.7	96.5	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	93.0	97.9	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	94.5	95.6	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	95.6	91.8	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	96.2	93.0	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	97.9	94.5	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	80.0	83.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	80.4	89.6	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	83.3	91.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	89.6	80.0	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	91.3	86.3	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	103	93.9	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	87.0	92.7	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	92.1	87.0	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	92.7	103	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	93.9	96.8	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	78.2	92.6	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	80.2	92.7	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	83.2	80.2	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	92.6	86.0	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	92.7	78.2	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	102	106	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	106	98.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	95.8	98.7	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	98.7	99.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	99.8	102	P/P	60 - 160
Perfluorononanoic acid (PFNA)	67.2	71.5	P/P	60 - 160
Perfluorononanoic acid (PFNA)	71.5	82.4	P/P	60 - 160
Perfluorononanoic acid (PFNA)	78.2	67.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	79.4	78.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	82.4	70.1	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	101	95.6	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	102	101	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	102	92.1	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	92.1	96.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	96.3	102	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109187

Included Lab Sample IDs: 2291597, 2291598, 2291599, 2291600, 2291601, 2291602, 2291603, 2291604, 2291605, 2291606, 2291607, 2291608, 2291609, 2291610, 2291611, 2291612, 2291613, 2291614, 2291615, 2291616, 2291660, 2291661, 2291662, 2291663, 2291664, 2291665, 2291666, 2291667, 2291668, 2291669, 2291670, 2291671, 2291672, 2291673, 2291674

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorooctanesulfonic acid (PFOS)	98.2	94.1	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	103	87.0	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	86.7	103	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	87.0	96.1	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	96.1	98.6	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	98.6	89.8	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	102	126	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	105	99.3	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	86.9	94.3	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	94.3	105	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	99.3	102	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	91.3	94.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	94.0	91.3	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	94.5	95.9	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	95.9	97.3	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	97.3	87.9	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	106	110	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	110	116	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	116	94.6	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	85.0	106	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	94.6	130	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	81.7	90.0	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	82.8	84.4	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	87.8	89.5	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	89.5	82.8	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	90.0	87.8	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	108	117	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	117	86.8	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	86.8	90.8	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	87.3	108	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	90.8	74.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	83.3	90.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	85.5	89.0	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	86.6	85.5	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	89.5	83.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	90.9	86.6	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3

Run ID: A109204

Included Lab Sample IDs: 2291675, 2291676, 2291677, 2291678, 2291679, 2291700, 2291701, 2291702, 2291703, 2291704, 2291705, 2291706, 2291707, 2291708, 2291709, 2291710, 2291711, 2291712, 2291713, 2291714, 2291715, 2291716, 2291717, 2291718, 2291719, 2291740, 2291741, 2291742, 2291743, 2291744, 2291745, 2291746, 2291747, 2291748, 2291749, 2291750, 2291751, 2291752, 2291753, 2291754

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	100	99.8	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	105	108	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	106	105	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	108	110	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	110	98.0	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	98.0	100	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109204

Included Lab Sample IDs: 2291675, 2291676, 2291677, 2291678, 2291679, 2291700, 2291701, 2291702, 2291703, 2291704, 2291705, 2291706, 2291707, 2291708, 2291709, 2291710, 2291711, 2291712, 2291713, 2291714, 2291715, 2291716, 2291717, 2291718, 2291719, 2291740, 2291741, 2291742, 2291743, 2291744, 2291745, 2291746, 2291747, 2291748, 2291749, 2291750, 2291751, 2291752, 2291753, 2291754

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	100	118	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	115	131	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	115	117	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	117	115	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	117	130	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	130	120	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	131	117	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	68.7	82.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	73.8	87.0	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	82.4	73.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	85.4	68.7	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	87.0	81.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	93.5	85.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	75.5	83.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	83.3	91.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	84.1	86.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	86.4	87.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	87.8	75.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	96.4	84.1	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	71.7	81.9	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	78.3	71.7	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	78.9	78.3	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	81.9	91.1	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	82.1	78.9	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	92.9	82.1	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	101	98.1	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	103	96.7	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	96.7	99.5	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	98.1	98.4	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	98.4	103	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	99.5	95.5	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	101	90.3	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	85.6	86.2	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	86.2	87.4	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	87.4	101	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	90.3	88.6	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	93.5	85.6	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	74.6	75.4	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	75.4	86.5	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	75.7	74.6	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	79.4	81.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	81.7	88.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	86.5	79.4	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	72.0	89.6	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	72.1	75.8	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	74.0	80.1	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	75.8	74.0	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	80.1	68.5	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	89.6	72.1	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109204

Included Lab Sample IDs: 2291675, 2291676, 2291677, 2291678, 2291679, 2291700, 2291701, 2291702, 2291703, 2291704, 2291705, 2291706, 2291707, 2291708, 2291709, 2291710, 2291711, 2291712, 2291713, 2291714, 2291715, 2291716, 2291717, 2291718, 2291719, 2291740, 2291741, 2291742, 2291743, 2291744, 2291745, 2291746, 2291747, 2291748, 2291749, 2291750, 2291751, 2291752, 2291753, 2291754

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	68.8	82.4	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	72.6	78.6	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	73.3	68.8	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	78.9	72.6	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	82.4	92.6	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	92.6	78.9	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	103	94.1	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	60.7	90.8	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	90.8	94.9	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	94.1	95.1	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	95.1	95.9	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	95.9	60.7	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	126	62.6	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	81.0	86.9	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	82.2	91.0	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	86.5	91.1	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	86.7	88.1	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	86.9	86.7	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	88.1	86.5	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	91.0	81.0	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	83.4	88.1	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	87.2	89.9	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	88.1	86.7	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	89.9	90.0	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	90.0	83.4	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	97.4	87.2	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	84.6	90.3	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	90.3	95.1	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	91.3	84.6	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	91.3	91.3	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	94.1	91.3	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	95.1	91.9	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	102	92.5	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	91.8	93.5	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	92.5	91.8	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	93.5	93.8	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	93.8	95.8	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	95.8	95.0	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	102	90.8	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	108	90.3	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	78.8	98.0	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	88.0	108	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	90.8	88.0	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	98.0	102	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	101	93.3	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	62.7	89.2	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	87.8	62.7	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	89.2	86.1	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	93.3	87.8	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109204

Included Lab Sample IDs: 2291675, 2291676, 2291677, 2291678, 2291679, 2291700, 2291701, 2291702, 2291703, 2291704, 2291705, 2291706, 2291707, 2291708, 2291709, 2291710, 2291711, 2291712, 2291713, 2291714, 2291715, 2291716, 2291717, 2291718, 2291719, 2291740, 2291741, 2291742, 2291743, 2291744, 2291745, 2291746, 2291747, 2291748, 2291749, 2291750, 2291751, 2291752, 2291753, 2291754

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	93.3	93.3	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	81.8	85.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	84.9	81.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	85.4	91.2	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	85.8	83.9	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	89.4	84.9	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	91.2	89.4	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	90.0	94.6	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	90.1	93.3	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	90.8	90.0	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	93.5	90.8	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	94.1	90.1	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	94.6	94.1	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	108	108	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	110	113	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	113	120	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	115	115	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	115	108	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	120	115	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	83.9	84.5	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	84.2	89.8	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	84.5	84.2	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	89.8	84.2	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	96.8	98.7	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	98.7	83.9	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	85.8	92.3	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	90.4	91.2	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	91.2	92.5	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	92.3	90.4	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	92.5	93.9	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	93.9	91.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	73.8	89.2	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	78.4	87.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	87.2	78.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	87.4	89.1	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	89.1	73.8	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	93.0	87.2	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	100	81.6	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	80.1	82.8	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	81.6	89.6	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	82.8	90.9	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	89.5	80.1	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	89.6	89.5	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	82.6	93.7	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	86.8	82.6	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	87.6	87.8	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	87.8	91.9	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	93.7	87.6	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	96.6	86.8	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109204

Included Lab Sample IDs: 2291675, 2291676, 2291677, 2291678, 2291679, 2291700, 2291701, 2291702, 2291703, 2291704, 2291705, 2291706, 2291707, 2291708, 2291709, 2291710, 2291711, 2291712, 2291713, 2291714, 2291715, 2291716, 2291717, 2291718, 2291719, 2291740, 2291741, 2291742, 2291743, 2291744, 2291745, 2291746, 2291747, 2291748, 2291749, 2291750, 2291751, 2291752, 2291753, 2291754

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorohexanoic acid (PFHxA)	100	86.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	81.3	82.8	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	82.8	100	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	83.3	88.2	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	85.6	83.3	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	88.2	81.3	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	100	96.6	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	101	100	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	104	96.7	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	96.6	93.7	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	96.7	98.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	98.8	101	P/P	60 - 160
Perfluorononanoic acid (PFNA)	71.9	79.3	P/P	60 - 160
Perfluorononanoic acid (PFNA)	77.5	71.9	P/P	60 - 160
Perfluorononanoic acid (PFNA)	79.3	82.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	81.2	72.8	P/P	60 - 160
Perfluorononanoic acid (PFNA)	82.1	81.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	95.6	77.5	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	85.6	89.2	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	86.1	97.2	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	89.2	95.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	92.6	86.1	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	94.6	92.6	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	95.7	94.6	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	99.1	85.6	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	99.3	93.8	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	103	114	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	103	108	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	108	94.4	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	114	116	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	116	100	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	94.4	103	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	102	92.4	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	102	95.0	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	106	108	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	108	102	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	64.0	102	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	92.4	64.0	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	81.9	88.8	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	84.7	88.1	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	85.5	89.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	88.1	81.9	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	88.8	85.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	89.4	84.7	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	115	96.8	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	85.7	96.4	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	85.8	85.7	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	96.4	90.1	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	96.6	85.8	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109204

Included Lab Sample IDs: 2291675, 2291676, 2291677, 2291678, 2291679, 2291700, 2291701, 2291702, 2291703, 2291704, 2291705, 2291706, 2291707, 2291708, 2291709, 2291710, 2291711, 2291712, 2291713, 2291714, 2291715, 2291716, 2291717, 2291718, 2291719, 2291740, 2291741, 2291742, 2291743, 2291744, 2291745, 2291746, 2291747, 2291748, 2291749, 2291750, 2291751, 2291752, 2291753, 2291754

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoropropanesulfonic acid (PFPrS)	96.8	96.6	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	81.8	79.2	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	83.5	89.5	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	86.0	81.8	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	89.5	90.3	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	90.3	86.0	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	99.4	83.5	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	68.2	70.4	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	68.8	68.2	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	74.3	78.0	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	74.9	75.7	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	75.7	68.8	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	80.3	74.9	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	88.1	80.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	103	94.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	72.3	84.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	84.9	103	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	89.7	79.5	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	91.3	72.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	94.3	89.7	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3

Run ID: A109272

Included Lab Sample IDs: 2291755, 2291756, 2291757, 2291758, 2291759, 2291780, 2291781, 2291782, 2291783, 2291784, 2291785, 2291786, 2291787, 2291788, 2291789, 2291790, 2291791, 2291792, 2291793, 2291794, 2291795, 2291796, 2291797, 2291798, 2291799, 2291820, 2291821, 2291822, 2291823, 2291824

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	104	105	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	104	107	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	105	109	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	109	104	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	109	104	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	100	111	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	104	100	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	108	86.7	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	111	93.0	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	115	104	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	88.6	108	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	93.0	122	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	81.2	96.0	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	86.8	81.2	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	90.8	91.2	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	91.2	94.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	94.5	86.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	79.5	83.2	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	82.1	92.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	83.2	82.1	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	90.7	79.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	97.5	90.7	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109272

Included Lab Sample IDs: 2291755, 2291756, 2291757, 2291758, 2291759, 2291780, 2291781, 2291782, 2291783, 2291784, 2291785, 2291786, 2291787, 2291788, 2291789, 2291790, 2291791, 2291792, 2291793, 2291794, 2291795, 2291796, 2291797, 2291798, 2291799, 2291820, 2291821, 2291822, 2291823, 2291824

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	75.7	90.1	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	80.7	85.7	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	82.2	67.7	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	85.7	75.7	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	90.1	82.2	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	100	104	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	104	100	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	104	97.6	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	97.6	103	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	99.9	104	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	75.9	87.4	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	86.6	95.7	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	87.4	96.7	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	95.7	82.6	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	96.7	86.6	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	77.5	89.1	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	79.1	77.5	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	79.5	79.1	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	84.0	90.1	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	90.1	79.5	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	63.3	72.0	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	70.5	73.0	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	71.5	63.3	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	72.0	70.5	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	73.0	74.9	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	63.6	72.6	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	64.6	75.2	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	72.6	114	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	75.2	79.5	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	79.5	63.6	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	71.0	99.9	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	81.3	61.2	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	90.6	71.0	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	91.7	81.3	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	99.9	91.7	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	84.0	84.1	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	84.1	95.4	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	89.1	92.1	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	89.6	87.2	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	92.1	95.4	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	95.4	84.0	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	87.3	91.3	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	87.6	89.9	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	89.9	91.8	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	91.3	94.6	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	94.6	87.6	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	102	90.8	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	83.9	99.1	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	89.9	92.2	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109272

Included Lab Sample IDs: 2291755, 2291756, 2291757, 2291758, 2291759, 2291780, 2291781, 2291782, 2291783, 2291784, 2291785, 2291786, 2291787, 2291788, 2291789, 2291790, 2291791, 2291792, 2291793, 2291794, 2291795, 2291796, 2291797, 2291798, 2291799, 2291820, 2291821, 2291822, 2291823, 2291824

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoro-3-methoxypropanoic acid (PFMPA)	90.8	83.9	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	99.1	89.9	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	101	103	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	103	111	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	92.1	101	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	95.4	92.1	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	99.0	95.4	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	112	61.7	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	60.6	89.8	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	61.7	90.0	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	63.7	60.6	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	89.8	112	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	101	108	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	108	93.4	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	93.4	93.4	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	93.4	98.9	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	98.9	91.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	84.5	85.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	85.8	91.3	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	87.6	84.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	91.3	84.3	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	92.4	87.6	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	88.6	93.3	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	90.3	88.6	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	91.0	90.3	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	93.3	96.0	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	99.4	91.0	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	113	115	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	115	124	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	116	115	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	124	116	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	125	113	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	83.7	87.4	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	87.4	94.3	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	87.6	84.8	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	88.4	87.6	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	94.3	88.4	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	112	94.2	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	85.6	98.5	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	89.7	85.6	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	94.2	89.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	97.1	90.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	98.5	113	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	84.7	88.1	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	85.8	87.8	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	87.8	107	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	88.1	85.8	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	93.1	84.7	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	83.0	90.6	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109272

Included Lab Sample IDs: 2291755, 2291756, 2291757, 2291758, 2291759, 2291780, 2291781, 2291782, 2291783, 2291784, 2291785, 2291786, 2291787, 2291788, 2291789, 2291790, 2291791, 2291792, 2291793, 2291794, 2291795, 2291796, 2291797, 2291798, 2291799, 2291820, 2291821, 2291822, 2291823, 2291824

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoroheptanoic acid (PFHpA)	85.2	89.9	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	86.9	85.2	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	89.9	83.0	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	90.6	71.8	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	100	85.0	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	85.0	86.1	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	86.1	96.1	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	96.1	89.4	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	96.4	100	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	79.6	88.7	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	83.1	83.6	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	87.7	83.1	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	88.7	90.2	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	90.2	87.7	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	102	99.4	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	103	102	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	103	97.4	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	97.4	101	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	99.4	103	P/P	60 - 160
Perfluorononanoic acid (PFNA)	65.6	83.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	66.7	76.3	P/P	60 - 160
Perfluorononanoic acid (PFNA)	76.3	77.9	P/P	60 - 160
Perfluorononanoic acid (PFNA)	77.9	78.6	P/P	60 - 160
Perfluorononanoic acid (PFNA)	83.1	66.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	87.6	97.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	88.9	97.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	92.3	92.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	92.4	92.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	94.2	92.4	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	95.8	94.2	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	99.2	95.8	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	105	99.1	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	110	105	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	110	91.2	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	91.2	110	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	99.1	103	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	100	127	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	115	92.7	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	127	60.3	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	92.7	100	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	98.4	115	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	82.6	87.3	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	83.2	91.9	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	87.3	83.2	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	90.2	82.6	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	91.9	88.3	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	117	82.8	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	137	100	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	142	117	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109272

Included Lab Sample IDs: 2291755, 2291756, 2291757, 2291758, 2291759, 2291780, 2291781, 2291782, 2291783, 2291784, 2291785, 2291786, 2291787, 2291788, 2291789, 2291790, 2291791, 2291792, 2291793, 2291794, 2291795, 2291796, 2291797, 2291798, 2291799, 2291820, 2291821, 2291822, 2291823, 2291824

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoropropanesulfonic acid (PFPrS)	74.5	137	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	82.8	74.5	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	80.4	84.0	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	80.8	80.4	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	84.0	87.6	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	87.6	88.7	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	88.7	73.1	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	72.2	75.4	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	72.9	73.6	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	73.6	75.1	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	75.1	82.2	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	82.2	72.2	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	77.3	92.0	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	82.1	77.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	86.7	79.0	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	92.0	86.7	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	93.5	82.1	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3

Run ID: A109328

Included Lab Sample IDs: 2291825, 2291826, 2291827, 2291828

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	148	104	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	132	110	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	82.3	90.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	100	80.0	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	104	83.0	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	113	105	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	99.3	92.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	98.3	88.1	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	65.5	86.9	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	73.6	69.3	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	128	67.8	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	112	80.4	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	90.3	89.2	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	92.9	89.6	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	107	99.1	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	85.0	60.2	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	87.9	99.4	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	86.2	91.3	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	92.2	92.8	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	154	113	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	98.8	86.0	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	107	90.6	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	102	94.8	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	83.2	88.0	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	85.1	85.6	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	85.8	90.2	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A109328
Included Lab Sample IDs: 2291825, 2291826, 2291827, 2291828

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorononanesulfonic acid (PFNS)	130	107	P/P	60 - 160
Perfluorononanoic acid (PFNA)	71.2	72.2	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	95.2	96.9	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	93.5	93.5	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	92.4	122	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	89.1	84.2	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	95.3	158	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	71.7	91.1	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	92.8	115	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	92.9	84.7	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A109522
Included Lab Sample IDs: 2291829

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	97.8	99.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	148	134	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	98.7	86.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	84.8	85.3	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	66.8	146	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	104	104	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	83.2	101	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	91.6	78.1	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	83.1	80.9	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	89.5	67.9	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	84.3	81.3	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	64.7	83.1	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	89.2	92.8	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	83.7	79.8	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	131	109	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	65.3	61.5	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	87.4	102	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	91.3	95.7	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	92.1	92.1	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	111	114	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	125	105	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	96.7	130	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	123	91.9	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	94.4	81.5	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	95.4	91.3	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	86.8	83.4	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	97.5	102	P/P	60 - 160
Perfluorononanoic acid (PFNA)	69.4	87.1	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	105	104	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	83.9	92.9	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	86.9	118	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	90.6	94.9	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	97.1	146	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	106	93.7	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	115	122	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A109522
Included Lab Sample IDs: 2291829

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoroundecanoic acid (PFUnA)	86.9	83.2	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		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	117	112	118			5.40
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	104	110	110			0.363
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	124	112	108			3.09
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	150	109	108			1.10
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	117	116	119			2.90
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	122	123	112			9.72
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	86.2	71.4	65.6			8.47
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	80.1	57.0	56.0			1.77
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	130	114	121			5.62
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	138	122	143			15.7
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	118	103	88.8			10.3
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	123	122	117			4.27
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	90.1	67.2	86.2			7.94
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	110					2.44
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	124	130	122			6.04
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	105	103	110			6.09
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	92.8	109	105			3.27
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	104	110	102			7.08
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	92.5	99.5	90.5			9.47
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	98.8	94.9	112			16.8
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	96.5	95.6	90.1			5.92
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	97.6	103	102			0.584
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	98.7	96.1	83.4			14.2
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	89.9	89.9	98.4			9.03
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	84.8	85.6	87.4			2.08
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	84.4	81.0	82.6			1.96
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	88.2	82.3	77.8			5.62
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	64.8	91.3	94.8			3.76
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	82.6	115	101			12.9
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	90.1	110	137			12.0

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	78.8	78.0	84.4			7.88
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	72.7	72.2	67.2			7.17
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	79.2	88.5	91.5			3.33
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	87.0	82.9	80.3			3.19
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.1	95.4	74.3			24.9
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	124	82.4	94.9			14.1
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	87.9	85.2	85.6			0.468
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	93.7	88.7	85.5			3.67
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	84.9	78.2	90.4			14.5
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	134	132	139			5.09
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	120	106	106			0.283
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	100	118	110			7.46
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	106	103	104			1.26
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	109	95.0	100			5.43
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	100	106	105			1.04
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	101	115	114			0.874
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	100	91.0	91.5			0.548
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	95.8	86.1	91.8			6.41
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	87.0	97.9	91.3			6.98
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	101	76.9	96.2			22.3
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	145	83.8	92.7			10.1
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	106	80.9	99.2			20.3
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	95.4	79.0	89.2			12.1
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	113	105	122			14.6
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	110	96.7	110			13.0
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	78.5	69.1	91.0			27.4
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.0	92.9	88.7			4.63
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	78.4	87.5	82.5			5.88
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	101	79.0	80.6			2.01

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	81.9	81.6	83.6			2.42
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	85.6	99.0	93.5			5.71
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.5	83.7	95.3			13.0
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	88.0	80.6	76.7			4.96
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	80.8	75.0	73.6			1.88
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	82.3	64.7	73.3			12.5
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	73.4	60.9	66.1			8.19
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	74.8	73.8	65.2			12.4
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	72.3	72.0	83.5			14.8
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	70.4	64.6	71.3			9.86
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	81.5	75.2	67.4			10.9
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	81.1	89.2	73.7			19.0
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	73.0	70.3	83.5			17.2
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	64.5	59.9	59.1			1.34
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	114	70.0	84.9			19.2
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	92.7	85.0	90.8			6.60
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	62.8	69.8	81.7			15.7
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	76.0	78.5	65.8			17.6
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	91.6	80.2	84.2			4.87
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	78.4	66.9	64.2			4.12
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	56.0	61.7	60.5			1.96
	Perfluoro-1-butane sulfonamide (FBSA)	99.1	103	103			0.583
	Perfluoro-1-butane sulfonamide (FBSA)	52.7	111	99.1			11.1
	Perfluoro-1-butane sulfonamide (FBSA)	95.1	106	104			2.38

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Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoro-1-butane sulfonamide (FBSA)	110	102	99.9			2.18
	Perfluoro-1-butane sulfonamide (FBSA)	86.9	102	89.7			12.7
	Perfluoro-1-butane sulfonamide (FBSA)	70.3	102	104			1.66
	Perfluoro-1-butane sulfonamide (FBSA)	144	106	95.9			9.29
	Perfluoro-1-butane sulfonamide (FBSA)	126	88.8	67.7			25.1
	Perfluoro-1-hexane sulfonamide (FHxSA)	85.5	89.4	86.5			3.30
	Perfluoro-1-hexane sulfonamide (FHxSA)	80.3	162	104			27.6
	Perfluoro-1-hexane sulfonamide (FHxSA)	95.9					2.07
	Perfluoro-1-hexane sulfonamide (FHxSA)	46.2	91.2	88.6			2.89
	Perfluoro-1-hexane sulfonamide (FHxSA)	87.0	89.5	62.0			13.6
	Perfluoro-1-hexane sulfonamide (FHxSA)	96.2	79.9	93.7			7.62
	Perfluoro-1-hexane sulfonamide (FHxSA)	123	85.6	81.2			5.28
	Perfluoro-1-hexane sulfonamide (FHxSA)	117	85.8	79.8			7.25
	Perfluoro-1-octane sulfonamide (FOSA)	94.5	92.8	99.3			6.77
	Perfluoro-1-octane sulfonamide (FOSA)	96.9	102	93.4			9.00
	Perfluoro-1-octane sulfonamide (FOSA)	98.7					2.36
	Perfluoro-1-octane sulfonamide (FOSA)	95.8	94.1	94.5			0.424
	Perfluoro-1-octane sulfonamide (FOSA)	95.5	93.6	97.1			2.55
	Perfluoro-1-octane sulfonamide (FOSA)	99.3	106	108			0.242
	Perfluoro-1-octane sulfonamide (FOSA)	87.3	90.7	86.0			5.32
	Perfluoro-1-octane sulfonamide (FOSA)	86.6	77.6	91.4			16.3
	Perfluoro-3-methoxypropanoic acid (PFMPA)	113	88.0	72.8			18.9
	Perfluoro-3-methoxypropanoic acid (PFMPA)	93.3	117	107			9.20
	Perfluoro-3-methoxypropanoic acid (PFMPA)	94.4	90.7	92.9			2.40
	Perfluoro-3-methoxypropanoic acid (PFMPA)	88.1	90.1	90.3			0.222
	Perfluoro-3-methoxypropanoic acid (PFMPA)	90.3	93.2	91.2			2.17
	Perfluoro-3-methoxypropanoic acid (PFMPA)	90.5	88.7	93.4			5.16
	Perfluoro-3-methoxypropanoic acid (PFMPA)	108	92.6	92.9			0.323
	Perfluoro-3-methoxypropanoic acid (PFMPA)	78.4	78.5	80.6			2.64
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	112	112	118			5.05

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	131	124	111			11.0
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	101	97.6	92.0			5.91
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	56.4	96.2	101			4.67
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	98.3	111	107			4.03
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	110	114	111			2.05
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	92.1	105	106			0.662
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	101	70.0	91.2			26.3
	Perfluoro-4-methoxybutanoic acid (PFMBA)	118	82.8	87.7			5.75
	Perfluoro-4-methoxybutanoic acid (PFMBA)	86.5	113	102			9.98
	Perfluoro-4-methoxybutanoic acid (PFMBA)	88.7	93.4	102			8.70
	Perfluoro-4-methoxybutanoic acid (PFMBA)	99.1	89.3	97.8			9.09
	Perfluoro-4-methoxybutanoic acid (PFMBA)	59.0	121	99.5			19.8
	Perfluoro-4-methoxybutanoic acid (PFMBA)	49.3	98.1	98.3			0.204
	Perfluoro-4-methoxybutanoic acid (PFMBA)	105	89.8	96.2			6.88
	Perfluoro-4-methoxybutanoic acid (PFMBA)	58.9	74.1	60.6			20.0
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	105	96.4	102			5.15
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	103	104	98.1			5.65
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	116	96.1	106			9.33
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	101	97.2	104			6.57
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	84.4	68.3	91.1			28.6
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	115	101	108			7.08
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	93.1	97.0	142			37.5
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	118	90.1	69.0			26.5
	Perfluorobutanesulfonic acid (PFBS)	105	95.1	103			7.59
	Perfluorobutanesulfonic acid (PFBS)	106	98.0	104			6.32
	Perfluorobutanesulfonic acid (PFBS)	98.3	98.1	103			4.78
	Perfluorobutanesulfonic acid (PFBS)	97.2	95.2	104			8.35
	Perfluorobutanesulfonic acid (PFBS)	101	105	90.4			14.7
	Perfluorobutanesulfonic acid (PFBS)	102	91.5	90.6			0.988
	Perfluorobutanesulfonic acid (PFBS)	93.8	93.8	91.9			1.34

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)	84.6	75.2	86.1			9.90
	Perfluorobutanoic acid (PFBA)	75.6	79.3	99.4			22.5
	Perfluorobutanoic acid (PFBA)	79.7	81.5	80.6			1.11
	Perfluorobutanoic acid (PFBA)	95.5	94.4	99.3			5.06
	Perfluorobutanoic acid (PFBA)	94.7	91.1	93.8			2.92
	Perfluorobutanoic acid (PFBA)	89.8	96.7	80.8			17.9
	Perfluorobutanoic acid (PFBA)	89.0	94.3	97.7			3.54
	Perfluorobutanoic acid (PFBA)	90.0	92.5	91.9			0.484
	Perfluorobutanoic acid (PFBA)	92.2	72.2	79.3			6.80
	Perfluorodecanesulfonic acid (PFDS)	120	118	123			3.48
	Perfluorodecanesulfonic acid (PFDS)	114	124	116			5.77
	Perfluorodecanesulfonic acid (PFDS)	124	111	108			1.91
	Perfluorodecanesulfonic acid (PFDS)	150	116	115			0.520
	Perfluorodecanesulfonic acid (PFDS)	117	99.1	106			4.84
	Perfluorodecanesulfonic acid (PFDS)	118	118	115			2.32
	Perfluorodecanesulfonic acid (PFDS)	105	80.8	74.7			7.85
	Perfluorodecanesulfonic acid (PFDS)	94.3	66.7	65.9			1.21
	Perfluorodecanoic acid (PFDA)	92.4	91.3	86.1			5.86
	Perfluorodecanoic acid (PFDA)	83.2	113	112			0.533
	Perfluorodecanoic acid (PFDA)	83.4	66.6	79.3			9.19
	Perfluorodecanoic acid (PFDA)	81.9	80.8	81.9			1.35
	Perfluorodecanoic acid (PFDA)	82.2	77.9	83.8			3.78
	Perfluorodecanoic acid (PFDA)	91.2	75.9	70.6			5.12
	Perfluorodecanoic acid (PFDA)	78.2	86.4	108			22.1
	Perfluorodecanoic acid (PFDA)	104	84.7	70.8			17.9
	Perfluorododecanoic acid (PFDoA)	89.5	102	92.2			10.4
	Perfluorododecanoic acid (PFDoA)	103	112	83.0			29.5
	Perfluorododecanoic acid (PFDoA)	102	112	98.2			13.6
	Perfluorododecanoic acid (PFDoA)	98.8	88.6	99.9			12.0
	Perfluorododecanoic acid (PFDoA)	110	124	120			2.63
	Perfluorododecanoic acid (PFDoA)	103	129	92.8			27.6
	Perfluorododecanoic acid (PFDoA)	119	90.0	89.4			0.669
	Perfluorododecanoic acid (PFDoA)	98.7	120	108			10.1
	Perfluoroheptanesulfonic acid (PFHpS)	97.5	96.3	96.4			0.104
	Perfluoroheptanesulfonic acid (PFHpS)	107	99.5	101			1.40
	Perfluoroheptanesulfonic acid (PFHpS)	88.6	84.6	85.2			0.707
	Perfluoroheptanesulfonic acid (PFHpS)	51.5	89.9	86.7			3.62
	Perfluoroheptanesulfonic acid (PFHpS)	94.8	96.7	97.3			0.619
	Perfluoroheptanesulfonic acid (PFHpS)	99.4	93.9	99.4			5.69
	Perfluoroheptanesulfonic acid (PFHpS)	83.7	90.8	93.7			3.14
	Perfluoroheptanesulfonic acid (PFHpS)	87.3	56.7	75.1			23.9

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoroheptanoic acid (PFHpA)	87.3	97.2	95.1			2.18
	Perfluoroheptanoic acid (PFHpA)	98.9	95.8	97.7			1.96
	Perfluoroheptanoic acid (PFHpA)	97.5	92.8	84.0			8.41
	Perfluoroheptanoic acid (PFHpA)	86.2	83.6	92.8			10.4
	Perfluoroheptanoic acid (PFHpA)	85.1	88.5	98.7			8.59
	Perfluoroheptanoic acid (PFHpA)	98.8	95.0	96.7			1.77
	Perfluoroheptanoic acid (PFHpA)	107	92.2	92.1			0.109
	Perfluoroheptanoic acid (PFHpA)	56.9	85.1	67.6			15.4
	Perfluorohexanesulfonic acid (PFHxS)	98.8	101	104			2.73
	Perfluorohexanesulfonic acid (PFHxS)	98.6	110	97.7			9.52
	Perfluorohexanesulfonic acid (PFHxS)	93.4	92.1	84.6			6.63
	Perfluorohexanesulfonic acid (PFHxS)	95.2	86.0	91.5			5.81
	Perfluorohexanesulfonic acid (PFHxS)	95.9	101	104			3.05
	Perfluorohexanesulfonic acid (PFHxS)	95.5	103	98.6			3.96
	Perfluorohexanesulfonic acid (PFHxS)	88.2	92.5	95.6			2.80
	Perfluorohexanesulfonic acid (PFHxS)	88.3	108	55.9			21.6
	Perfluorohexanoic acid (PFHxA)	98.0	104	92.6			11.5
	Perfluorohexanoic acid (PFHxA)	85.8	95.9	87.1			8.30
	Perfluorohexanoic acid (PFHxA)	103	108	97.6			10.1
	Perfluorohexanoic acid (PFHxA)	92.9	82.2	96.4			15.9
	Perfluorohexanoic acid (PFHxA)	102	94.1	84.4			9.09
	Perfluorohexanoic acid (PFHxA)	97.7	99.3	75.4			23.8
	Perfluorohexanoic acid (PFHxA)	94.4	96.6	84.5			11.3
	Perfluorohexanoic acid (PFHxA)	100	91.5	72.1			14.4
	Perfluorononanesulfonic acid (PFNS)	107	108	106			1.78
	Perfluorononanesulfonic acid (PFNS)	97.9	112	112			0.268
	Perfluorononanesulfonic acid (PFNS)	109	95.3	99.7			3.91
	Perfluorononanesulfonic acid (PFNS)	131	102	103			1.76
	Perfluorononanesulfonic acid (PFNS)	104	111	116			4.77
	Perfluorononanesulfonic acid (PFNS)	107	115	106			6.79
	Perfluorononanesulfonic acid (PFNS)	94.9	94.8	83.6			12.6
	Perfluorononanesulfonic acid (PFNS)	92.8	81.2	78.7			3.13
	Perfluorononanoic acid (PFNA)	84.4	78.3	81.3			3.76
	Perfluorononanoic acid (PFNA)	90.9	71.2	66.3			4.74
	Perfluorononanoic acid (PFNA)	87.3	99.5	85.3			15.4
	Perfluorononanoic acid (PFNA)	69.4	73.5	84.5			13.9
	Perfluorononanoic acid (PFNA)	92.5	81.0	83.4			2.92
	Perfluorononanoic acid (PFNA)	90.9	81.7	84.1			2.90
	Perfluorononanoic acid (PFNA)	66.7	82.4	73.2			11.8
	Perfluorononanoic acid (PFNA)	112	82.3	68.9			17.7
	Perfluorooctanesulfonic acid (PFOS)	100	102	92.6			7.00

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluorooctanesulfonic acid (PFOS)	104					8.09
	Perfluorooctanesulfonic acid (PFOS)	102					3.62
	Perfluorooctanesulfonic acid (PFOS)	98.3	97.5	97.6			0.953
	Perfluorooctanesulfonic acid (PFOS)	100	96.8	93.3			1.76
	Perfluorooctanesulfonic acid (PFOS)	101					5.31
	Perfluorooctanesulfonic acid (PFOS)	97.6	85.0	81.5			1.31
	Perfluorooctanesulfonic acid (PFOS)	92.4	104	110			1.79
	Perfluorooctanoic acid (PFOA)	77.4	88.6	116			26.9
	Perfluorooctanoic acid (PFOA)	84.6	115	89.3			24.8
	Perfluorooctanoic acid (PFOA)	109	102	101			1.77
	Perfluorooctanoic acid (PFOA)	118	90.9	97.6			7.11
	Perfluorooctanoic acid (PFOA)	101	122	99.5			16.5
	Perfluorooctanoic acid (PFOA)	97.4	108	101			6.88
	Perfluorooctanoic acid (PFOA)	95.0	97.4	89.7			6.95
	Perfluorooctanoic acid (PFOA)	120	110	118			3.69
	Perfluoropentanesulfonic acid (PFPeS)	116	100	112			11.2
	Perfluoropentanesulfonic acid (PFPeS)	66.6	97.3	106			9.03
	Perfluoropentanesulfonic acid (PFPeS)	117	117	121			2.94
	Perfluoropentanesulfonic acid (PFPeS)	115	109	116			6.12
	Perfluoropentanesulfonic acid (PFPeS)	107	87.5	104			17.4
	Perfluoropentanesulfonic acid (PFPeS)	133	115	116			0.605
	Perfluoropentanesulfonic acid (PFPeS)	105	108	160			38.5
	Perfluoropentanesulfonic acid (PFPeS)	132	88.6	83.1			5.10
	Perfluoropentanoic acid (PFPeA)	90.5	96.5	105			8.63
	Perfluoropentanoic acid (PFPeA)	95.6	88.4	93.7			4.74
	Perfluoropentanoic acid (PFPeA)	93.5	90.7	87.8			3.25
	Perfluoropentanoic acid (PFPeA)	91.9	89.9	88.2			1.91
	Perfluoropentanoic acid (PFPeA)	82.5	89.8	96.4			5.60
	Perfluoropentanoic acid (PFPeA)	91.4	105	93.5			11.2
	Perfluoropentanoic acid (PFPeA)	86.2	96.0	77.8			17.3
	Perfluoropentanoic acid (PFPeA)	91.3	93.0	94.8			1.27
	Perfluoropropanesulfonic acid (PFPrS)	80.2	99.2	89.8			9.95
	Perfluoropropanesulfonic acid (PFPrS)	97.3	112	109			2.80
	Perfluoropropanesulfonic acid (PFPrS)	123	92.0	105			13.6
	Perfluoropropanesulfonic acid (PFPrS)	101	107	102			4.50
	Perfluoropropanesulfonic acid (PFPrS)	107	117	107			8.21
	Perfluoropropanesulfonic acid (PFPrS)	146	83.5	81.4			2.55

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)	94.4	108	139			25.0
	Perfluoropropanesulfonic acid (PFPrS)	131	89.2	94.1			5.35
	Perfluorotetradecanoic acid (PFTeA)	80.8	91.9	90.2			1.87
	Perfluorotetradecanoic acid (PFTeA)	99.0	81.3	83.9			3.15
	Perfluorotetradecanoic acid (PFTeA)	89.3	95.6	95.9			0.313
	Perfluorotetradecanoic acid (PFTeA)	82.3	90.6	93.9			3.58
	Perfluorotetradecanoic acid (PFTeA)	83.1	97.1	87.1			10.9
	Perfluorotetradecanoic acid (PFTeA)	94.5	93.6	91.4			2.38
	Perfluorotetradecanoic acid (PFTeA)	92.2	95.6	97.9			2.38
	Perfluorotetradecanoic acid (PFTeA)	140	81.4	89.6			9.59
	Perfluorotridecanoic acid (PFTriA)	89.2	114	110			3.38
	Perfluorotridecanoic acid (PFTriA)	111	101	87.9			10.7
	Perfluorotridecanoic acid (PFTriA)	87.0	84.9	73.5			14.4
	Perfluorotridecanoic acid (PFTriA)	69.1	77.2	70.4			9.21
	Perfluorotridecanoic acid (PFTriA)	82.1	78.8	86.9			9.78
	Perfluorotridecanoic acid (PFTriA)	87.2	88.9	68.5			19.2
	Perfluorotridecanoic acid (PFTriA)	133	126	96.4			26.7
	Perfluorotridecanoic acid (PFTriA)	151	117	90.8			25.5
	Perfluoroundecanoic acid (PFUnA)	80.5	91.1	93.8			2.92
	Perfluoroundecanoic acid (PFUnA)	96.6	73.4	97.4			19.2
	Perfluoroundecanoic acid (PFUnA)	89.3	107	84.5			19.1
	Perfluoroundecanoic acid (PFUnA)	98.2	83.9	100			17.5
	Perfluoroundecanoic acid (PFUnA)	90.5	80.1	67.3			6.66
	Perfluoroundecanoic acid (PFUnA)	64.3	84.5	83.6			1.26
	Perfluoroundecanoic acid (PFUnA)	85.5	104	90.1			14.8
	Perfluoroundecanoic acid (PFUnA)	113	85.7	101			16.7

Reference Method Descriptions

Method	Description	Associated Samples

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: LC-001-3	Perfluorinated alkyl substances in sediment/solid matrices by HPLC/MS/MS	2291597, 2291598, 2291599, 2291600, 2291601, 2291602, 2291603, 2291604, 2291605, 2291606, 2291607, 2291608, 2291609, 2291610, 2291611, 2291612, 2291613, 2291614, 2291615, 2291616, 2291660, 2291661, 2291662, 2291663, 2291664, 2291665, 2291666, 2291667, 2291668, 2291669, 2291670, 2291671, 2291672, 2291673, 2291674, 2291675, 2291676, 2291677, 2291678, 2291679, 2291700, 2291701, 2291702, 2291703, 2291704, 2291705, 2291706, 2291707, 2291708, 2291709, 2291710, 2291711, 2291712, 2291713, 2291714, 2291715, 2291716, 2291717, 2291718, 2291719, 2291740, 2291741, 2291742, 2291743, 2291744, 2291745, 2291746, 2291747, 2291748, 2291749, 2291750, 2291751, 2291752, 2291753, 2291754, 2291755, 2291756, 2291757, 2291758, 2291759, 2291780, 2291781, 2291782, 2291783, 2291784, 2291785, 2291786, 2291787, 2291788, 2291789, 2291790, 2291791, 2291792, 2291793, 2291794, 2291795, 2291796, 2291797, 2291798, 2291799, 2291820, 2291821, 2291822, 2291823, 2291824
DEP SOP: LC-001-3	Perfluorinated alkyl substances in water matrices by HPLC/MS/MS	2291825, 2291826, 2291827, 2291828, 2291829
SM 2540 G (20th)	Percent solid determination before the other sample preparations.	2291625, 2291626, 2291627, 2291628, 2291629, 2291630, 2291631, 2291632, 2291633, 2291634, 2291635, 2291636, 2291637, 2291638, 2291639, 2291640, 2291641, 2291642, 2291643, 2291644, 2291680, 2291681, 2291682, 2291683, 2291684, 2291685, 2291686, 2291687, 2291688, 2291689, 2291690, 2291691, 2291692, 2291693, 2291694, 2291695, 2291696, 2291697, 2291698, 2291699, 2291720, 2291721, 2291722, 2291723, 2291724, 2291725, 2291726, 2291727, 2291728, 2291729, 2291730, 2291731, 2291732, 2291733, 2291734, 2291735, 2291736, 2291737, 2291738, 2291739, 2291760, 2291761, 2291762, 2291763, 2291764, 2291765, 2291766, 2291767, 2291768, 2291769, 2291770, 2291771, 2291772, 2291773, 2291774, 2291775, 2291776, 2291777, 2291778, 2291779, 2291800, 2291801, 2291802, 2291803, 2291804, 2291805, 2291806, 2291807, 2291808, 2291809, 2291810, 2291811, 2291812, 2291813, 2291814, 2291815, 2291816, 2291817, 2291818, 2291819, 2291830, 2291831, 2291832, 2291833, 2291834

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	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 10:38	Mohammad Ghaffari	2291612
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 11:32	Mohammad Ghaffari	2291597
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 11:43	Mohammad Ghaffari	2291598
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 12:16	Mohammad Ghaffari	2291599
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 12:26	Mohammad Ghaffari	2291600
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 12:37	Mohammad Ghaffari	2291601
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 12:48	Mohammad Ghaffari	2291602
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 12:59	Mohammad Ghaffari	2291603
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 13:10	Mohammad Ghaffari	2291604
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 13:20	Mohammad Ghaffari	2291605
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 13:31	Mohammad Ghaffari	2291606
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 13:53	Mohammad Ghaffari	2291607
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 14:04	Mohammad Ghaffari	2291608
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 14:14	Mohammad Ghaffari	2291609
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 14:25	Mohammad Ghaffari	2291610
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 14:36	Mohammad Ghaffari	2291611
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 14:47	Mohammad Ghaffari	2291613
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 14:58	Mohammad Ghaffari	2291614
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 15:08	Mohammad Ghaffari	2291615
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 15:30	Mohammad Ghaffari	2291616
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 15:41	Mohammad Ghaffari	2291660
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 15:52	Mohammad Ghaffari	2291661
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 16:02	Mohammad Ghaffari	2291662
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 16:13	Mohammad Ghaffari	2291663
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 16:24	Mohammad Ghaffari	2291664
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 16:35	Mohammad Ghaffari	2291665
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 16:46	Mohammad Ghaffari	2291666
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 17:07	Mohammad Ghaffari	2291667
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 17:18	Mohammad Ghaffari	2291668
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 17:29	Mohammad Ghaffari	2291669
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 17:39	Mohammad Ghaffari	2291670
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 17:50	Mohammad Ghaffari	2291671
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 18:01	Mohammad Ghaffari	2291672
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 18:12	Mohammad Ghaffari	2291673
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/02/2021 18:23	Mohammad Ghaffari	2291674
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/03/2021 07:47	Mohammad Ghaffari	2291661
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/03/2021 07:57	Mohammad Ghaffari	2291663
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/03/2021 08:08	Mohammad Ghaffari	2291664
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/03/2021 08:19	Mohammad Ghaffari	2291665
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/03/2021 08:30	Mohammad Ghaffari	2291669

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	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/03/2021 08:40	Mohammad Ghaffari	2291671
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/03/2021 08:51	Mohammad Ghaffari	2291672
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/03/2021 09:02	Mohammad Ghaffari	2291673
	11/30/2021	12/01/2021 10:00	Manjita Shrestha	12/03/2021 09:13	Mohammad Ghaffari	2291673
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/03/2021 21:23	Mohammad Ghaffari	2291675
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/03/2021 22:17	Mohammad Ghaffari	2291676
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/03/2021 22:28	Mohammad Ghaffari	2291677
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/03/2021 22:39	Mohammad Ghaffari	2291678
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/03/2021 22:50	Mohammad Ghaffari	2291679
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/03/2021 23:01	Mohammad Ghaffari	2291700
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/03/2021 23:11	Mohammad Ghaffari	2291701
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/03/2021 23:33	Mohammad Ghaffari	2291702
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/03/2021 23:44	Mohammad Ghaffari	2291703
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/03/2021 23:54	Mohammad Ghaffari	2291704
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 00:05	Mohammad Ghaffari	2291705
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 00:16	Mohammad Ghaffari	2291706
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 00:27	Mohammad Ghaffari	2291707
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 00:38	Mohammad Ghaffari	2291708
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 00:48	Mohammad Ghaffari	2291709
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 01:10	Mohammad Ghaffari	2291710
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 01:21	Mohammad Ghaffari	2291711
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 01:32	Mohammad Ghaffari	2291712
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 01:42	Mohammad Ghaffari	2291713
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 01:53	Mohammad Ghaffari	2291714
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 06:01	Mohammad Ghaffari	2291704
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 06:12	Mohammad Ghaffari	2291705
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 06:23	Mohammad Ghaffari	2291706
	11/30/2021	12/02/2021 10:00	Manjita Shrestha	12/04/2021 06:34	Mohammad Ghaffari	2291707
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/03/2021 22:07	Mohammad Ghaffari	2291715
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 02:04	Mohammad Ghaffari	2291716
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 02:15	Mohammad Ghaffari	2291717
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 02:26	Mohammad Ghaffari	2291718
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	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 03:09	Mohammad Ghaffari	2291741
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 03:20	Mohammad Ghaffari	2291742
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 03:30	Mohammad Ghaffari	2291743
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 03:41	Mohammad Ghaffari	2291744
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 03:52	Mohammad Ghaffari	2291745
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 04:03	Mohammad Ghaffari	2291746

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	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 04:24	Mohammad Ghaffari	2291747
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	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 04:46	Mohammad Ghaffari	2291749
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 04:57	Mohammad Ghaffari	2291750
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 05:07	Mohammad Ghaffari	2291751
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 05:18	Mohammad Ghaffari	2291752
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 05:29	Mohammad Ghaffari	2291753
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/04/2021 05:40	Mohammad Ghaffari	2291754
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/05/2021 16:35	Mohammad Ghaffari	2291748
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/05/2021 16:46	Mohammad Ghaffari	2291749
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/05/2021 16:57	Mohammad Ghaffari	2291751
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/05/2021 17:08	Mohammad Ghaffari	2291753
	11/30/2021	12/02/2021 13:00	Manjita Shrestha	12/06/2021 07:54	Mohammad Ghaffari	2291752
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 10:04	Mohammad Ghaffari	2291755
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 10:15	Mohammad Ghaffari	2291756
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 10:25	Mohammad Ghaffari	2291757
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 10:36	Mohammad Ghaffari	2291758
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 10:58	Mohammad Ghaffari	2291759
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 11:09	Mohammad Ghaffari	2291780
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 11:19	Mohammad Ghaffari	2291781
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 11:30	Mohammad Ghaffari	2291782
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 11:41	Mohammad Ghaffari	2291783
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 11:52	Mohammad Ghaffari	2291784
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 12:02	Mohammad Ghaffari	2291785
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 12:13	Mohammad Ghaffari	2291786
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 12:35	Mohammad Ghaffari	2291787
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 12:46	Mohammad Ghaffari	2291788
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 12:56	Mohammad Ghaffari	2291789
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 13:07	Mohammad Ghaffari	2291790
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 13:18	Mohammad Ghaffari	2291791
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 13:29	Mohammad Ghaffari	2291792
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 13:39	Mohammad Ghaffari	2291793
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 13:50	Mohammad Ghaffari	2291794
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 15:06	Mohammad Ghaffari	2291795
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 15:17	Mohammad Ghaffari	2291796
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 15:27	Mohammad Ghaffari	2291797
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 15:38	Mohammad Ghaffari	2291798
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 16:00	Mohammad Ghaffari	2291799
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 16:10	Mohammad Ghaffari	2291820
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 16:21	Mohammad Ghaffari	2291821

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	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 16:32	Mohammad Ghaffari	2291822
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	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 16:54	Mohammad Ghaffari	2291824
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 19:35	Mohammad Ghaffari	2291788
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 19:46	Mohammad Ghaffari	2291789
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 20:08	Mohammad Ghaffari	2291791
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 20:19	Mohammad Ghaffari	2291792
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 20:40	Mohammad Ghaffari	2291794
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 21:23	Mohammad Ghaffari	2291795
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/08/2021 08:05	Mohammad Ghaffari	2291820
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/08/2021 08:16	Mohammad Ghaffari	2291821
	11/30/2021	12/06/2021 10:00	Manjita Shrestha	12/08/2021 09:10	Mohammad Ghaffari	2291799
	11/30/2021	12/09/2021 09:00	Hoor Shaik	12/10/2021 08:17	Mohammad Ghaffari	2291825
	11/30/2021	12/09/2021 09:00	Hoor Shaik	12/10/2021 08:28	Mohammad Ghaffari	2291826
	11/30/2021	12/09/2021 09:00	Hoor Shaik	12/10/2021 08:39	Mohammad Ghaffari	2291827
	11/30/2021	12/09/2021 09:00	Hoor Shaik	12/10/2021 08:50	Mohammad Ghaffari	2291828
	11/30/2021	12/20/2021 11:00	Hoor Shaik	12/21/2021 12:33	Mohammad Ghaffari	2291829

Chemical Analysis Report

SIS-2021-12-03-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

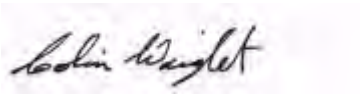
Event Description: **Fire Academy of the South**
Request ID: **RQ-2021-11-15-48**
Customer: **SIS**
Project ID: **SIS-PFAS**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Road
Twin Towers Bldg. MS# 4515
Tallahassee, FL 32399
Attn: Jeff Newton

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Colin Wright, Program Administrator

Date Certified: 22-DEC-2021 12:42



NON-CONFORMANCE REPORT INCLUDED

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 groups are included in this report: Pesticides and Priority Organic Pollutants.

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 10:55**

Field ID: DEPSB - 82 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292794	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	0.61	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	1.2		ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.49	I	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.23	I	ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.44	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.66	I	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	3.4		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.58	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	I	ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	0.73	I	ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	1.8		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.50	I	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	0.41	I	ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407000	

Field ID: DEPSB - 82 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292794	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.93	U	ug/Kg	P407000	
2292830	SM 2540 G (20th)	% Solid	90.2	A	%	P407469	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 11:00**

Field ID: DEPSB - 82 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292795	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.54	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	0.54	U	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.27	U	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.67		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.50	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.39	I	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.27	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	0.57	I	ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.65	I	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.24	I	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.29	I	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	4.4		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	U	ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.27	U	ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.54	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P407000	

Field ID: DEPSB - 82 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292795	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407000	
2292831	SM 2540 G (20th)	% Solid	81.7		%	P407469	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 11:05**

Field ID: DEPSB - 82 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292796	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.55	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	0.57	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	0.28	U	ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.32	I	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.84		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.63	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.33	I	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.34	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	0.28	U	ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	0.58	I	ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.89	I	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.47	I	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	8.6		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.18	I	ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	3.2	I	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.28	U	ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.55	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P407000	

Field ID: DEPSB - 82 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292796	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407000	
2292832	SM 2540 G (20th)	% Solid	80.3		%	P407469	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 11:10**

Field ID: DEPSB - 83 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292797	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	1.2	I	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	1.3	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	1.5		ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	1.3		ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	1.6		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	1.3		ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	3.3		ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	6.5		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	1.3		ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.54	I	ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	18		ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	7.1		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	1.8		ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.19	I	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	0.71		ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.21	I	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.78		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.35	I	ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.37	I	ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407000	

Field ID: DEPSB - 83 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292797	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.91	U	ug/Kg	P407000	
2292833	SM 2540 G (20th)	% Solid	90.9		%	P407469	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 11:15**

Field ID: DEPSB - 83 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292798	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.15	I	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	1.2	I	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	0.92	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	2.4		ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	3.0		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	2.3		ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	4.7		ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	23		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	2.2		ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	0.67	I	ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	2.6		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	2.7		ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.28	I	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.16	I	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	I	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	5.7		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.25	I	ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P407000	

Field ID: DEPSB - 83 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292798	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P407000	
2292834	SM 2540 G (20th)	% Solid	84.9		%	P407469	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 11:30**

Field ID: DEPSB - 84 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292799	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.50	I	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	1.5	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	0.94		ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.65	I	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	1.0		ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.51	I	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	9.7		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.92		ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	I	ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	0.94		ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	1.9		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	1.4		ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	0.43	I	ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.1		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.29	I	ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	3.1	I	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	4.8		ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407000	

Field ID: DEPSB - 84 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292799	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.89	U	ug/Kg	P407000	
2292835	SM 2540 G (20th)	% Solid	93.6		%	P407469	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 11:35**

Field ID: DEPSB - 84 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292800	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.61	I	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	1.0	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.70	I	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	1.4		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	1.3		ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.45	I	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	18		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.59	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	1.1		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	2.0		ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	I	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.47		ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	0.21	I	ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.22	I	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	21		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.99		ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	77		ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407000	

Field ID: DEPSB - 84 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292800	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.91	U	ug/Kg	P407000	
2292836	SM 2540 G (20th)	% Solid	90.9		%	P407469	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 11:40**

Field ID: DEPSB - 84 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292801	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	1.6	I	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	2.8		ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	1.5		ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	1.5		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	3.7		ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.36	I	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	52		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	1.1		ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	1.8		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	5.2		ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	I	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	1.5		ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	0.30	I	ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.61		ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	57		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	7.3		ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	20		ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.31	I	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.50	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P407000	

Field ID: DEPSB - 84 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292801	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P407000	
2292837	SM 2540 G (20th)	% Solid	85.3		%	P407469	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 11:50**

Field ID: DEPSB - 85 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292802	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	1.3	I	ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	3.7		ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.39	I	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.99		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.64	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	26		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.65	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.88		ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	1.0		ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	1.3		ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.86	I	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.22	I	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.18	I	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	0.74		ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.2		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.87		ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	3.2	I	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	7.4		ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407000	

Field ID: DEPSB - 85 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292802	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.87	U	ug/Kg	P407000	
2292838	SM 2540 G (20th)	% Solid	93.1		%	P407469	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 11:55**

Field ID: DEPSB - 85 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292803	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407000	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P407000	
		Perfluorodecanoic acid (PFDA)**	2.0		ug/Kg	P407000	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P407000	
		Perfluoroheptanoic acid (PFHpA)**	0.29	I	ug/Kg	P407000	
		Perfluorohexanesulfonic acid (PFHxS)**	0.48		ug/Kg	P407000	
		Perfluorohexanoic acid (PFHxA)**	0.66	I	ug/Kg	P407000	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P407000	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P407000	
		Perfluorooctanoic acid (PFOA)**	0.34	I	ug/Kg	P407000	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P407000	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P407000	
		Perfluoroundecanoic acid (PFUnA)**	0.79	I	ug/Kg	P407000	
		Perfluoropentanoic acid (PFPeA)**	0.87	I	ug/Kg	P407000	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407000	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407000	
		Perfluorononanesulfonic acid (PFNS)**	0.22	I	ug/Kg	P407000	
		Perfluorodecanesulfonic acid (PFDS)**	0.42	I	ug/Kg	P407000	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407000	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P407000	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	3.5		ug/Kg	P407000	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.1		ug/Kg	P407000	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P407000	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	5.5	I	ug/Kg	P407000	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	76		ug/Kg	P407000	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407000	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407000	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P407000	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P407000	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P407000	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P407000	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P407000	

Field ID: DEPSB - 85 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292803	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P407000	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.94	U	ug/Kg	P407000	
2292839	SM 2540 G (20th)	% Solid	89.6		%	P407469	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 12:00**

Field ID: DEPSB - 85 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292804	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.59	I	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	2.1	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.49	I	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.58		ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	1.6		ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.27	U	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	9.4		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.27	I	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	0.65	I	ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	2.5		ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.34	I	ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	5.3		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.1		ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	6.1	I	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	64		ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.54	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P407001	

Field ID: DEPSB - 85 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292804	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407001	
2292840	SM 2540 G (20th)	% Solid	81.5	A	%	P407314	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 12:05**

Field ID: DEPSB - 86 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292805	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.42	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	0.85	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.79	I	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.22	I	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.30	I	ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.23	I	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.23	I	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	5.9		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.36	I	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.21	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.31	I	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	0.75	I	ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.24	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	1.2		ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.0		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.50		ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.21	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.21	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.21	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.7	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	15		ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.42	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.21	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.21	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.21	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.21	U	ug/Kg	P407001	

Field ID: DEPSB - 86 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292805	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.21	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.85	U	ug/Kg	P407001	
2292841	SM 2540 G (20th)	% Solid	95.3		%	P407314	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 12:10**

Field ID: DEPSB - 86 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292806	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	1.0	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.22	U	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.24	I	ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.23	I	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	2.9		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.38	I	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.22	U	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	1.0		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.22	U	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.11	I	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.55		ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.7		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.65		ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.8	I	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	24		ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407001	

Field ID: DEPSB - 86 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292806	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.88	U	ug/Kg	P407001	
2292842	SM 2540 G (20th)	% Solid	93.2		%	P407314	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 12:15**

Field ID: DEPSB - 86 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292807	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.53	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	1.4	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.29	I	ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.55	I	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	4.6		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	1.1		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.75	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.18	I	ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	4.5		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	3.3		ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	47		ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P407001	

Field ID: DEPSB - 86 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292807	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407001	
2292843	SM 2540 G (20th)	% Solid	83.7		%	P407314	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 12:25**

Field ID: DEPSB - 87 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292808	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.43	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	2.4		ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	1.2		ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.49	I	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.95		ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.39	I	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.74	I	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	1.3		ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	I	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.84	I	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	2.2		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.32	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.13	I	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	1.1		ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.3		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	21		ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.7	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.4		ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.98		ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.43	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407001	

Field ID: DEPSB - 87 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292808	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.86	U	ug/Kg	P407001	
2292844	SM 2540 G (20th)	% Solid	94.5		%	P407314	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 12:30**

Field ID: DEPSB - 87 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292809	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	0.85	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.32	I	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.44	I	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	1.1		ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.34	I	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	7.8		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.77	I	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	2.3		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.26	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.18	I	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	2.0		ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	14		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	57		ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.1		ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	1.9		ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407001	

Field ID: DEPSB - 87 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292809	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.91	U	ug/Kg	P407001	
2292845	SM 2540 G (20th)	% Solid	91.4		%	P407314	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 12:35**

Field ID: DEPSB - 87 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292810	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.51	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	0.71	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.65	I	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.95		ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.71	I	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	5.3		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.56	I	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	1.8		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.65	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.61		ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.18	I	ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.24	I	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	25		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	13		ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	5.3		ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.22	I	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P407001	

Field ID: DEPSB - 87 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292810	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P407001	
2292846	SM 2540 G (20th)	% Solid	83.6		%	P407314	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 12:40**

Field ID: DEPSB - 88 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292811	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	I	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.42	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	4.0		ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	2.7		ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	2.6		ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.97		ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.99		ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	390		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	1.4		ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	1.1		ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	1.0		ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	3.0		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.40	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	I	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.50		ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.88		ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	2.4		ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.10	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	I	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	5.9		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	9.3		ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.21	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.21	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.21	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.7	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	280		ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.10	U	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.10	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.42	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.21	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.21	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.21	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.21	U	ug/Kg	P407001	

Field ID: DEPSB - 88 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292811	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.21	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.83	U	ug/Kg	P407001	
2292847	SM 2540 G (20th)	% Solid	96.4		%	P407314	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 12:45**

Field ID: DEPSB - 88 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292812	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	1.5	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.72	I	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.36	I	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	3.2		ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	1.3		ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.35	I	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	170		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	2.0		ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	I	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.74	I	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	2.4		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.91	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.17	I	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.37	I	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.79		ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.91		ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.52		ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	110		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	6.7		ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	58		ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.25	I	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407001	

Field ID: DEPSB - 88 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292812	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.92	U	ug/Kg	P407001	
2292848	SM 2540 G (20th)	% Solid	89.5		%	P407314	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 12:50**

Field ID: DEPSB - 88 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292813	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.15	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.60	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	0.92	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.94	I	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.36	I	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	1.2		ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	1.6		ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.30	U	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	38		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	1.1	I	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.30	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	2.0		ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	3.7		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	1.5		ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.15	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.15	I	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.70		ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.77		ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.15	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.43	I	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	43		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	23		ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.30	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.30	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.30	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	15		ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	19		ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.46	I	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.15	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.60	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.30	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.30	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.30	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.30	U	ug/Kg	P407001	

Field ID: DEPSB - 88 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292813	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.30	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.2	U	ug/Kg	P407001	
2292849	SM 2540 G (20th)	% Solid	76.0		%	P407314	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 13:50**

Field ID: DEPSB - 89 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292814	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.42	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	0.70	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	1.9		ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.21	U	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.30	I	ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.21	U	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.21	U	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	3.1		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.21	U	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.51	I	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	1.9		ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	0.97		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.21	U	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.73		ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.44		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.21	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.21	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.21	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.7	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.42	I	ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.42	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.21	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.21	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.21	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.21	U	ug/Kg	P407001	

Field ID: DEPSB - 89 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292814	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.21	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.85	U	ug/Kg	P407001	
2292850	SM 2540 G (20th)	% Solid	96.4	A	%	P407315	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 13:55**

Field ID: DEPSB - 89 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292815	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	0.70	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	1.1		ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.28	I	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.38	I	ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	4.0		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.27	I	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.28	I	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	2.1		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.22	U	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.20	I	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	1.9		ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.71		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.0		ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.8		ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.42	I	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407001	

Field ID: DEPSB - 89 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292815	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.88	U	ug/Kg	P407001	
2292851	SM 2540 G (20th)	% Solid	93.4		%	P407315	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 14:00**

Field ID: DEPSB - 89 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292816	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	0.61	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.32	I	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.61		ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.81	I	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.29	I	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	10		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	1.2		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.87	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.29	I	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	1.1		ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	5.9		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	7.9		ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	9.1		ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	2.2		ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P407001	

Field ID: DEPSB - 89 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292816	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P407001	
2292852	SM 2540 G (20th)	% Solid	83.9		%	P407315	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 14:05**

Field ID: DEPSB - 90 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292817	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.45	I	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	0.49	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.25	I	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.29	I	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.73		ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.49	I	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.43	I	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	3.7		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.26	I	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.27	I	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	1.4		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.81	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.18	I	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.44		ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	I	ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.22	U	ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407001	

Field ID: DEPSB - 90 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292817	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.89	U	ug/Kg	P407001	
2292853	SM 2540 G (20th)	% Solid	92.9		%	P407315	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 14:10**

Field ID: DEPSB - 90 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292854	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	0.50	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.31	I	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.34	I	ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.32	I	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.37	I	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	3.8		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.23	U	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	0.26	I	ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.62	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.12	I	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407001	

Field ID: DEPSB - 90 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292854	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.93	U	ug/Kg	P407001	
2292878	SM 2540 G (20th)	% Solid	89.4		%	P407315	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 14:15**

Field ID: DEPSB - 90 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292855	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.55	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	0.55	U	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.27	U	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.37	I	ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.27	U	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.27	U	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	5.0		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.27	U	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	0.27	U	ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.36	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.29	I	ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	U	ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.27	U	ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.55	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P407001	

Field ID: DEPSB - 90 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292855	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407001	
2292879	SM 2540 G (20th)	% Solid	80.0		%	P407315	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 14:20**

Field ID: DEPSB - 91 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292856	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	8.3		ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	0.68	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.48	I	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.33	I	ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.30	I	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	2.3		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.22	U	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.31	I	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	1.3		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.26	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.11	U	ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.22	U	ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407001	

Field ID: DEPSB - 91 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292856	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.89	U	ug/Kg	P407001	
2292880	SM 2540 G (20th)	% Solid	93.4		%	P407315	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 14:25**

Field ID: DEPSB - 91 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292857	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	0.54	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	0.83		ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.23	U	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.49	I	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	15		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.42	I	ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	0.30	I	ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.36	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	I	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.24	I	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	4.0		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.37	I	ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407001	

Field ID: DEPSB - 91 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292857	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.93	U	ug/Kg	P407001	
2292881	SM 2540 G (20th)	% Solid	89.6		%	P407315	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 14:30**

Field ID: DEPSB - 91 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292858	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.23	I	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.70	I	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	0.62	U	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.31	U	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	0.76	I	ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	3.5		ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	1.0	I	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	2.5		ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	84		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	1.9		ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.31	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.31	U	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	0.31	U	ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	1.5		ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.42	I	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.34	I	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.15	U	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.15	U	ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.15	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	3.9		ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	9.5		ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.15	U	ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.31	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.31	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.31	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.5	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.47	I	ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.15	U	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.15	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.62	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.31	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.31	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.31	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.31	U	ug/Kg	P407001	

Field ID: DEPSB - 91 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292858	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.31	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.2	U	ug/Kg	P407001	
2292882	SM 2540 G (20th)	% Solid	73.6		%	P407315	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 14:35**

Field ID: DEPSB - 92 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292859	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407001	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P407001	
		Perfluorodecanoic acid (PFDA)**	1.2	I	ug/Kg	P407001	
		Perfluorododecanoic acid (PFDoA)**	0.82	I	ug/Kg	P407001	
		Perfluoroheptanoic acid (PFHpA)**	1.0		ug/Kg	P407001	
		Perfluorohexanesulfonic acid (PFHxS)**	1.5		ug/Kg	P407001	
		Perfluorohexanoic acid (PFHxA)**	0.50	I	ug/Kg	P407001	
		Perfluorononanoic acid (PFNA)**	0.77	I	ug/Kg	P407001	
		Perfluorooctanesulfonic acid (PFOS)**	6.0		ug/Kg	P407001	
		Perfluorooctanoic acid (PFOA)**	0.99		ug/Kg	P407001	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P407001	
		Perfluorotridecanoic acid (PFTriA)**	0.45	I	ug/Kg	P407001	
		Perfluoroundecanoic acid (PFUnA)**	2.6		ug/Kg	P407001	
		Perfluoropentanoic acid (PFPeA)**	0.60	I	ug/Kg	P407001	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	I	ug/Kg	P407001	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407001	
		Perfluorononanesulfonic acid (PFNS)**	0.20	I	ug/Kg	P407001	
		Perfluorodecanesulfonic acid (PFDS)**	0.18	I	ug/Kg	P407001	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407001	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.35	I	ug/Kg	P407001	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P407001	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407001	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407001	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.64	I	ug/Kg	P407001	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407001	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407001	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P407001	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407001	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407001	

Field ID: DEPSB - 92 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292859	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407001	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.88	U	ug/Kg	P407001	
2292883	SM 2540 G (20th)	% Solid	93.2		%	P407315	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 14:40**

Field ID: DEPSB - 92 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292860	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	0.94	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	1.0		ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	3.4		ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.97		ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	1.1		ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	110		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	1.4		ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	0.62	I	ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	1.1		ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.22	I	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.28	I	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.98		ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.35	I	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	34		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.68		ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.8	I	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	7.8		ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P407002	

Field ID: DEPSB - 92 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292860	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.97	U	ug/Kg	P407002	
2292884	SM 2540 G (20th)	% Solid	87.0	A	%	P407316	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 14:45**

Field ID: DEPSB - 93 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292861	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	1.2	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	1.1		ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.49	I	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	0.41	I	ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.37	I	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.33	I	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	2.9		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.55	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	I	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	0.44	I	ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	2.2		ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	0.48	I	ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.12	I	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.52		ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.11	U	ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	I	ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407002	

Field ID: DEPSB - 93 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292861	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.89	U	ug/Kg	P407002	
2292885	SM 2540 G (20th)	% Solid	92.8		%	P407316	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 14:50**

Field ID: DEPSB - 93 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292862	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	0.83	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.24	I	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	0.28	I	ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.28	I	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.54	I	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	7.7		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.34	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	0.23	U	ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	0.30	I	ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.26	I	ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407002	

Field ID: DEPSB - 93 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292862	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.93	U	ug/Kg	P407002	
2292886	SM 2540 G (20th)	% Solid	90.7		%	P407316	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 14:55**

Field ID: DEPSB - 93 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292863	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.55	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	0.55	U	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.28	U	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.28	U	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	0.32	I	ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.28	U	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.35	I	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	8.8		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.28	U	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	0.28	U	ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	0.30	I	ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	0.32	I	ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.0		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	U	ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.28	U	ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.55	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P407002	

Field ID: DEPSB - 93 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292863	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407002	
2292887	SM 2540 G (20th)	% Solid	80.8		%	P407316	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 15:10**

Field ID: DEPSB - 94 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292864	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	0.88	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.52	I	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	1.1		ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.91	I	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.45	I	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	61		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.80	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	5.0		ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	2.1		ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	1.4		ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.16	I	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.35	I	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.20	I	ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.43	I	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	38		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.82		ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	4.5	I	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	14		ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P407002	

Field ID: DEPSB - 94 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292864	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P407002	
2292888	SM 2540 G (20th)	% Solid	83.7		%	P407316	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 15:15**

Field ID: DEPSB - 94 - 1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292865	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.85	I	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	1.1	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.28	U	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	1.0	I	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	1.8		ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	1.9		ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.61	I	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	57		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	1.5		ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	1.3		ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	1.2		ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	3.3		ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	I	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.19	I	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.34	I	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.17	I	ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.90		ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	35		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	2.3		ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	17		ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	39		ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.56	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P407002	

Field ID: DEPSB - 94 - 1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292865	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407002	
2292889	SM 2540 G (20th)	% Solid	79.5		%	P407316	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 15:20**

Field ID: DEPSB - 95 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292866	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	0.51	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.57	I	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	0.35	I	ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.28	I	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	2.7		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.23	U	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	I	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	7.8		ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	1.5		ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	0.42	I	ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.29	I	ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.21	I	ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.19	I	ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407002	

Field ID: DEPSB - 95 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292866	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.91	U	ug/Kg	P407002	
2292890	SM 2540 G (20th)	% Solid	91.0		%	P407316	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 15:25**

Field ID: DEPSB - 95 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292867	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	1.4	I	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	1.1	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	1.2		ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	1.4		ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	3.3		ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.43	I	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	39		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	1.0	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	1.1		ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	0.78	I	ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	4.3		ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	I	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.18	I	ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.51	I	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	32		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.93		ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	33		ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	56		ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P407002	

Field ID: DEPSB - 95 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292867	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407002	
2292891	SM 2540 G (20th)	% Solid	82.8		%	P407316	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 15:30**

Field ID: DEPSB - 96 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292868	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.60	I	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	2.7		ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	1.5		ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.65	I	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	0.70		ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.81	I	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.42	I	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	11		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.77	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.49	I	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	3.9		ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	1.7		ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	0.99		ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.13	I	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.47		ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.82		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.16	I	ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.8		ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407002	

Field ID: DEPSB - 96 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292868	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.91	U	ug/Kg	P407002	
2292892	SM 2540 G (20th)	% Solid	91.9		%	P407316	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 15:35**

Field ID: DEPSB - 96 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292869	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.53	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	0.91	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.38	I	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	0.26	I	ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.70	I	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.27	U	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	11		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.27	U	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.38	I	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	13		ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	0.74	I	ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	1.2		ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.41	I	ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.5		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.48	I	ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	38		ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P407002	

Field ID: DEPSB - 96 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292869	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407002	
2292893	SM 2540 G (20th)	% Solid	81.7		%	P407316	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 09:20**

Field ID: DEPSB - 97 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292870	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	0.60	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.85	I	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	0.25	I	ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.22	U	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	1.7		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.28	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	5.4		ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	1.1		ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	0.25	I	ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.76		ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.49		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.46		ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.1	I	ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407002	

Field ID: DEPSB - 97 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292870	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.88	U	ug/Kg	P407002	
2292894	SM 2540 G (20th)	% Solid	94.1	A	%	P407317	

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. MDL for 8:2 FTS is elevated due to required dilution of sample matrix.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 09:25**

Field ID: DEPSB - 97 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292871	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	1.1	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.60	I	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	0.54		ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.62	I	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	5.2		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.44	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	0.50	I	ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	1.3		ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	0.75	I	ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.76		ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.22	I	ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	9.2		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.2		ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	13		ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P407002	

Field ID: DEPSB - 97 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292871	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P407002	
2292895	SM 2540 G (20th)	% Solid	84.0		%	P407317	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 09:30**

Field ID: DEPSB - 98 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292872	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	0.47	U	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.39	I	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	1.7		ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.26	I	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.25	I	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	5.4		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.40	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	1.8		ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	0.71	I	ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	0.30	I	ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.80		ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.5		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	10		ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	I	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P407002	

Field ID: DEPSB - 98 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292872	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.94	U	ug/Kg	P407002	
2292896	SM 2540 G (20th)	% Solid	89.8		%	P407317	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 09:35**

Field ID: DEPSB - 98 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292873	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.55	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	2.9		ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.28	U	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.72	I	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	1.7		ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.61	I	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.80	I	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	37		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.93	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	0.52	I	ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	1.3		ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	0.81	I	ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	1.0		ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.38	I	ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.68		ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	31		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	5.9		ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	14		ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.18	I	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.55	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P407002	

Field ID: DEPSB - 98 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292873	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407002	
2292897	SM 2540 G (20th)	% Solid	80.5		%	P407317	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 09:40**

Field ID: DEPSB - 99 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292874	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	0.46	U	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.65	I	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.28	I	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	0.51		ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.31	I	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	4.4		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.30	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	2.2		ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	0.69	I	ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	0.51	I	ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.51		ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.0		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.5		ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.32	I	ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407002	

Field ID: DEPSB - 99 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292874	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.92	U	ug/Kg	P407002	
2292898	SM 2540 G (20th)	% Solid	90.6		%	P407317	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 09:45**

Field ID: DEPSB - 99 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292875	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	0.87	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.32	I	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.60	I	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	1.5		ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	2.5		ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	55		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.79	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	0.58	I	ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	2.5		ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	2.4		ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.16	I	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.30	I	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.58		ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.60		ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	39		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	21		ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	8.9		ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	24		ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.20	I	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P407002	

Field ID: DEPSB - 99 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292875	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P407002	
2292899	SM 2540 G (20th)	% Solid	83.0		%	P407317	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 09:50**

Field ID: DEPSB - 100 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292876	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	0.47	U	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	1.0		ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	1.5		ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	2.9		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	I	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	2.2		ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	0.98		ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	0.27	I	ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	1.6		ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.4		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.34	I	ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P407002	

Field ID: DEPSB - 100 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292876	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.95	U	ug/Kg	P407002	
2292900	SM 2540 G (20th)	% Solid	89.4		%	P407317	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 09:55**

Field ID: DEPSB - 100 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292877	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.55	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	1.3	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.28	U	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.49	I	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	1.9		ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	1.1		ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.31	I	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	60		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.84	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	0.38	I	ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	1.3		ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	1.6		ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.16	I	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.15	I	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.31	I	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.58		ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.2		ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	44		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	6.8		ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	9.0		ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	25		ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.24	I	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.55	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P407002	

Field ID: DEPSB - 100 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292877	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407002	
2292901	SM 2540 G (20th)	% Solid	79.7		%	P407317	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 10:00**

Field ID: DEPSB - 101 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292915	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.44	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	1.0	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	1.4		ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.29	I	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	0.36	I	ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.26	I	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.29	I	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	3.0		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.23	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.32	I	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	1.4		ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	1.6		ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	0.44	I	ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.52		ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.21	I	ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.17	I	ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.7	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.30	I	ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.44	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407002	

Field ID: DEPSB - 101 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292915	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.87	U	ug/Kg	P407002	
2292939	SM 2540 G (20th)	% Solid	93.5		%	P407317	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 10:05**

Field ID: DEPSB - 101 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292916	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407002	
		Perfluorobutanoic acid (PFBA)**	0.50	U	ug/Kg	P407002	
		Perfluorodecanoic acid (PFDA)**	0.87	I	ug/Kg	P407002	
		Perfluorododecanoic acid (PFDoA)**	0.32	I	ug/Kg	P407002	
		Perfluoroheptanoic acid (PFHpA)**	0.25	I	ug/Kg	P407002	
		Perfluorohexanesulfonic acid (PFHxS)**	0.44	I	ug/Kg	P407002	
		Perfluorohexanoic acid (PFHxA)**	0.33	I	ug/Kg	P407002	
		Perfluorononanoic acid (PFNA)**	0.30	I	ug/Kg	P407002	
		Perfluorooctanesulfonic acid (PFOS)**	8.9		ug/Kg	P407002	
		Perfluorooctanoic acid (PFOA)**	0.30	I	ug/Kg	P407002	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P407002	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P407002	
		Perfluoroundecanoic acid (PFUnA)**	1.0	I	ug/Kg	P407002	
		Perfluoropentanoic acid (PFPeA)**	0.49	I	ug/Kg	P407002	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407002	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407002	
		Perfluorononanesulfonic acid (PFNS)**	0.17	I	ug/Kg	P407002	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P407002	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407002	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P407002	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	3.8		ug/Kg	P407002	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.46	I	ug/Kg	P407002	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P407002	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P407002	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.43	I	ug/Kg	P407002	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P407002	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407002	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.50	U	ug/Kg	P407002	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P407002	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P407002	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P407002	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P407002	

Field ID: DEPSB - 101 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292916	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P407002	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P407002	
2292940	SM 2540 G (20th)	% Solid	86.3		%	P407317	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 10:10**

Field ID: DEPSB - 102 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292917	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.15	I	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	1.8	I	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	1.3	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	1.1	I	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	2.0		ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	3.7		ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	2.6		ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.83	I	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	85		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	1.7		ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.29	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	4.3		ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	2.9		ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	6.2		ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.20	I	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.91		ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.73		ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	2.3		ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.15	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.32	I	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	15		ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	5.6		ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.29	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.29	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.29	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	9.1	I	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	8.3		ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.18	I	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.15	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.59	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.29	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.29	UJ	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.29	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.29	U	ug/Kg	P407004	

Field ID: DEPSB - 102 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292917	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.29	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.2	U	ug/Kg	P407004	
2292941	SM 2540 G (20th)	% Solid	76.1	A	%	P407407	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 10:15**

Field ID: DEPSB - 102 - 1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292918	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.15	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.80	I	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.82	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.31	U	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.65	I	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	1.5		ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	2.3		ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.31	U	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	60		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.78	I	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.31	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.44	I	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	0.95	I	ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	2.0		ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.15	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.28	I	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.35	I	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.24	I	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.15	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.17	I	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	11		ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	9.6		ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.31	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.31	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.31	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	15		ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	23		ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.27	I	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.15	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.61	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.31	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.31	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.31	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.31	U	ug/Kg	P407004	

Field ID: DEPSB - 102 - 1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292918	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.31	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.2	U	ug/Kg	P407004	
2292942	SM 2540 G (20th)	% Solid	74.5		%	P407407	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 10:20**

Field ID: DEPSB - 103 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292919	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.70	I	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.95	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	1.4		ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.86	I	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.36	I	ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.62	I	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.54	I	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	1.5		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.48	I	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	1.8		ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	2.8		ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	1.0		ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.20	I	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P407004	

Field ID: DEPSB - 103 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292919	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.99	U	ug/Kg	P407004	
2292943	SM 2540 G (20th)	% Solid	85.8		%	P407407	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 10:25**

Field ID: DEPSB - 103 - 1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292920	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.15	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.59	U	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.59	U	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.30	U	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.30	U	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.47	I	ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.41	I	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.30	U	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	3.1		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.30	U	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.30	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.30	U	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	0.81	I	ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	0.47	I	ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.15	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.15	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.15	U	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.15	U	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.15	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.26	I	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.36	I	ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.15	U	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.30	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.30	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.30	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.4	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.30	U	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.15	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.15	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.59	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.30	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.30	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.30	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.30	U	ug/Kg	P407004	

Field ID: DEPSB - 103 - 1.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292920	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.30	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.2	U	ug/Kg	P407004	
2292944	SM 2540 G (20th)	% Solid	76.8		%	P407407	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 10:30**

Field ID: DEPSB - 104 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292921	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.69	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.84	I	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.39	I	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.13	I	ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.32	I	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	0.83	I	ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.27	I	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	1.6		ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	1.6		ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	0.38	I	ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.23	I	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.22	I	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.30	I	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P407004	

Field ID: DEPSB - 104 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292921	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.96	U	ug/Kg	P407004	
2292945	SM 2540 G (20th)	% Solid	87.6		%	P407407	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 10:35**

Field ID: DEPSB - 104 - 1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292922	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.58	U	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.63	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.29	U	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.29	U	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.92		ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.29	U	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.32	I	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	6.4		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.29	U	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.29	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.29	U	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	0.98	I	ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	0.37	I	ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.29	I	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	4.6		ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.81		ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.29	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.29	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.29	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.3	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.29	U	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.58	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.29	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.29	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.29	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.29	U	ug/Kg	P407004	

Field ID: DEPSB - 104 - 1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292922	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.29	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.2	U	ug/Kg	P407004	
2292946	SM 2540 G (20th)	% Solid	77.8		%	P407407	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 10:40**

Field ID: DEPSB - 105 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292923	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.46	U	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.70	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.88	I	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.23	U	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.16	I	ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.23	U	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.23	U	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	0.97		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.23	U	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	2.1		ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	1.7		ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	0.27	I	ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	I	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.18	I	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.31	I	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.46	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407004	

Field ID: DEPSB - 105 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292923	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.93	U	ug/Kg	P407004	
2292947	SM 2540 G (20th)	% Solid	90.1		%	P407407	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 10:45**

Field ID: DEPSB - 105 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292924	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.75	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.23	U	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.66	I	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	1.4		ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.57	I	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.46	I	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	31		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.62	I	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.23	U	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	0.61	I	ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	0.46	I	ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.60		ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.29	I	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	70		ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.38	I	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	3.6		ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407004	

Field ID: DEPSB - 105 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292924	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.94	U	ug/Kg	P407004	
2292948	SM 2540 G (20th)	% Solid	89.7		%	P407407	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 10:50**

Field ID: DEPSB - 106 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292925	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.53	I	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.82	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.33	I	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.35	I	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.22	I	ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.33	I	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.30	I	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	3.3		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.36	I	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	1.5		ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	1.2		ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	0.54	I	ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P407004	

Field ID: DEPSB - 106 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292925	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.95	U	ug/Kg	P407004	
2292949	SM 2540 G (20th)	% Solid	88.8		%	P407407	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 10:55**

Field ID: DEPSB - 106 - 1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292926	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.55	U	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.63	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.28	U	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.42	I	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.66		ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.41	I	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.38	I	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	18		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.37	I	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.31	I	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	0.61	I	ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	0.42	I	ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.28	I	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.3		ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	U	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.77	I	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.55	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P407004	

Field ID: DEPSB - 106 - 1.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292926	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407004	
2292950	SM 2540 G (20th)	% Solid	80.9		%	P407407	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 12:50**

Field ID: DEPSB - 107 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292927	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	1.2	I	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	1.1	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	1.8		ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	1.3		ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	3.0		ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	1.6		ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.53	I	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	16		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.83	I	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.53	I	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	2.1		ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	2.2		ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.28	I	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.93		ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	5.3		ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	I	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.2		ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.8		ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.39	I	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P407004	

Field ID: DEPSB - 107 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292927	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P407004	
2292951	SM 2540 G (20th)	% Solid	84.1	A	%	P407408	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 12:50**

Field ID: DEPSB - 107 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292909	EPA 8270E	Acenaphthene	8.1	U	ug/kg	P407360	
		Acenaphthylene	8.1	U	ug/kg	P407360	
		Anthracene	8.1	U	ug/kg	P407360	
		Azobenzene/1,2-Diphenylhydrazine	73	U	ug/kg	P407360	
		Benzidine	1.6E+03	U	ug/kg	P407360	
		Benzo(a)anthracene	8.1	U	ug/kg	P407360	
		Benzo(a)pyrene	8.1	U	ug/kg	P407360	
		Benzo(b)fluoranthene	22	I	ug/kg	P407360	
		Benzo(k)fluoranthene	8.1	U	ug/kg	P407360	
		Benzo(g,h,i)perylene	8.1	U	ug/kg	P407360	
		Bis(2-chloroethoxy)methane	73	U	ug/kg	P407360	
		Bis(2-chloroethyl)ether	73	U	ug/kg	P407360	
		Bis(2-chloroisopropyl)ether	73	U	ug/kg	P407360	
		Bis(2-ethylhexyl)phthalate	440	UJ	ug/kg	P407360	LCS
		Butyl benzyl phthalate	73	U	ug/kg	P407360	
		4-Bromophenyl phenyl ether	73	U	ug/kg	P407360	
		2-Chloronaphthalene	73	U	ug/kg	P407360	
		4-Chlorophenyl phenyl ether	73	U	ug/kg	P407360	
		Chrysene	8.1	U	ug/kg	P407360	
		Di-n-butyl phthalate	440	U	ug/kg	P407360	
		Di-n-octyl phthalate	73	U	ug/kg	P407360	
		Dibenzo(a,h)anthracene	8.1	U	ug/kg	P407360	
		3,3'-Dichlorobenzidine	4.4E+03	U	ug/kg	P407360	
		Diethyl phthalate	73	U	ug/kg	P407360	
		Dimethyl phthalate	73	U	ug/kg	P407360	
		2,4-Dinitrotoluene	73	U	ug/kg	P407360	
		2,6-Dinitrotoluene	73	U	ug/kg	P407360	
		Fluoranthene	8.1	U	ug/kg	P407360	
		Fluorene	8.1	U	ug/kg	P407360	
		Hexachlorobenzene	73	U	ug/kg	P407360	
		Hexachlorobutadiene	220	U	ug/kg	P407360	
		Hexachlorocyclopentadiene	73	U	ug/kg	P407360	MS, RPD
		Hexachloroethane	220	U	ug/kg	P407360	
		Indeno(1,2,3-cd)pyrene	8.1	U	ug/kg	P407360	
		Isophorone	73	U	ug/kg	P407360	
		Naphthalene	8.1	U	ug/kg	P407360	
		Nitrobenzene	73	U	ug/kg	P407360	
		N-Nitrosodimethylamine	440	U	ug/kg	P407360	
		N-Nitrosodi-n-propylamine	73	U	ug/kg	P407360	
		Phenanthrene	8.1	U	ug/kg	P407360	
		Pyrene	8.1	U	ug/kg	P407360	
		1,2,4-Trichlorobenzene	220	U	ug/kg	P407360	
		4-Chloro-3-methylphenol	73	U	ug/kg	P407360	
		2-Chlorophenol	220	U	ug/kg	P407360	

Field ID: DEPSB - 107 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292909	EPA 8270E	2,4-Dichlorophenol	73	U	ug/kg	P407360	
		2,4-Dimethylphenol	440	U	ug/kg	P407360	
		2,4-Dinitrophenol	440	U	ug/kg	P407360	
		2-Methyl-4,6-dinitrophenol	73	U	ug/kg	P407360	
		2-Nitrophenol	73	U	ug/kg	P407360	
		4-Nitrophenol	73	U	ug/kg	P407360	
		Pentachlorophenol	73	U	ug/kg	P407360	
		Phenol	73	U	ug/kg	P407360	
		2,4,6-Trichlorophenol	73	U	ug/kg	P407360	
		N-Nitrosodiphenylamine/ Diphenylamine	73	U	ug/kg	P407360	
	FL-PRO 2018	TRPH	43	U	mg/Kg	P407270	
2292933	EPA 8260D	Benzene	2.4	U	ug/kg	P407143	
		Bromodichloromethane	2.4	U	ug/kg	P407143	
		Bromoform	2.4	U	ug/kg	P407143	
		Bromomethane	2.4	U	ug/kg	P407143	
		2-Butanone	12	U	ug/kg	P407143	
		Carbon tetrachloride	2.4	U	ug/kg	P407143	
		Chlorobenzene	2.4	U	ug/kg	P407143	
		Chloroethane	2.4	U	ug/kg	P407143	
		Chloroform	2.4	U	ug/kg	P407143	
		Chloromethane	2.4	U	ug/kg	P407143	
		Dibromochloromethane	2.4	U	ug/kg	P407143	
		1,2-Dichlorobenzene	2.4	U	ug/kg	P407143	
		1,3-Dichlorobenzene	2.4	U	ug/kg	P407143	
		1,4-Dichlorobenzene	2.4	U	ug/kg	P407143	
		1,1-Dichloroethane	2.4	U	ug/kg	P407143	
		1,2-Dichloroethane	2.4	U	ug/kg	P407143	
		1,1-Dichloroethene	2.4	U	ug/kg	P407143	
		cis-1,2-Dichloroethene	2.4	U	ug/kg	P407143	
		trans-1,2-Dichloroethene	2.4	U	ug/kg	P407143	
		1,2-Dichloropropane	2.4	U	ug/kg	P407143	
		cis-1,3-Dichloropropene	2.4	U	ug/kg	P407143	
		trans-1,3-Dichloropropene	2.4	U	ug/kg	P407143	
		Ethylbenzene	2.4	U	ug/kg	P407143	
		Methylene chloride	12	U	ug/kg	P407143	
		1,1,2,2-Tetrachloroethane	2.4	U	ug/kg	P407143	
		Tetrachloroethene	2.4	U	ug/kg	P407143	
		Toluene	2.4	U	ug/kg	P407143	
		1,1,1-Trichloroethane	2.4	U	ug/kg	P407143	
		1,1,2-Trichloroethane	2.4	U	ug/kg	P407143	
		Trichloroethene	2.4	U	ug/kg	P407143	
		Trichlorofluoromethane	2.4	U	ug/kg	P407143	
		Vinyl chloride	2.4	U	ug/kg	P407143	
		Methyl-t-butyl ether	2.4	U	ug/kg	P407143	

Field ID: DEPSB - 107 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292933	EPA 8260D	o-Xylene	2.4	U	ug/kg	P407143	
		m,p-Xylene	2.4	U	ug/kg	P407143	
2292952	SM 2540 G (20th)	% Solid	81.6	A	%	P407220	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 13:00**

Field ID: DEPSB - 107 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292928	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.53	U	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.77	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.41	I	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.86		ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.80	I	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.39	I	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	4.9		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.34	I	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	0.73	I	ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	0.84	I	ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	1.2		ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	1.8		ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	3.4		ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.7		ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.0	I	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P407004	

Field ID: DEPSB - 107 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292928	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407004	
2292953	SM 2540 G (20th)	% Solid	82.6		%	P407408	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 13:00**

Field ID: DEPSB - 107 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292910	EPA 8270E	Acenaphthene	8.0	U	ug/kg	P407360	
		Acenaphthylene	8.0	U	ug/kg	P407360	
		Anthracene	8.0	U	ug/kg	P407360	
		Azobenzene/1,2-Diphenylhydrazine	72	U	ug/kg	P407360	
		Benzidine	1.6E+03	U	ug/kg	P407360	
		Benzo(a)anthracene	8.0	U	ug/kg	P407360	
		Benzo(a)pyrene	8.0	U	ug/kg	P407360	
		Benzo(b)fluoranthene	16	I	ug/kg	P407360	
		Benzo(k)fluoranthene	8.0	U	ug/kg	P407360	
		Benzo(g,h,i)perylene	8.0	U	ug/kg	P407360	
		Bis(2-chloroethoxy)methane	72	U	ug/kg	P407360	
		Bis(2-chloroethyl)ether	72	U	ug/kg	P407360	
		Bis(2-chloroisopropyl)ether	72	U	ug/kg	P407360	
		Bis(2-ethylhexyl)phthalate	430	UJ	ug/kg	P407360	LCS
		Butyl benzyl phthalate	72	U	ug/kg	P407360	
		4-Bromophenyl phenyl ether	72	U	ug/kg	P407360	
		2-Chloronaphthalene	72	U	ug/kg	P407360	
		4-Chlorophenyl phenyl ether	72	U	ug/kg	P407360	
		Chrysene	8.0	U	ug/kg	P407360	
		Di-n-butyl phthalate	430	U	ug/kg	P407360	
		Di-n-octyl phthalate	72	U	ug/kg	P407360	
		Dibenzo(a,h)anthracene	8.0	U	ug/kg	P407360	
		3,3'-Dichlorobenzidine	4.3E+03	U	ug/kg	P407360	
		Diethyl phthalate	72	U	ug/kg	P407360	
		Dimethyl phthalate	72	U	ug/kg	P407360	
		2,4-Dinitrotoluene	72	U	ug/kg	P407360	
		2,6-Dinitrotoluene	72	U	ug/kg	P407360	
		Fluoranthene	8.0	U	ug/kg	P407360	
		Fluorene	8.0	U	ug/kg	P407360	
		Hexachlorobenzene	72	U	ug/kg	P407360	
		Hexachlorobutadiene	220	U	ug/kg	P407360	
		Hexachlorocyclopentadiene	72	U	ug/kg	P407360	MS, RPD
		Hexachloroethane	220	U	ug/kg	P407360	
		Indeno(1,2,3-cd)pyrene	8.0	U	ug/kg	P407360	
		Isophorone	72	U	ug/kg	P407360	
		Naphthalene	8.0	U	ug/kg	P407360	
		Nitrobenzene	72	U	ug/kg	P407360	
		N-Nitrosodimethylamine	430	U	ug/kg	P407360	
		N-Nitrosodi-n-propylamine	72	U	ug/kg	P407360	
		Phenanthrene	8.0	U	ug/kg	P407360	
		Pyrene	8.0	U	ug/kg	P407360	
		1,2,4-Trichlorobenzene	220	U	ug/kg	P407360	
		4-Chloro-3-methylphenol	72	U	ug/kg	P407360	
		2-Chlorophenol	220	U	ug/kg	P407360	

Field ID: DEPSB - 107 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292910	EPA 8270E	2,4-Dichlorophenol	72	U	ug/kg	P407360	
		2,4-Dimethylphenol	430	U	ug/kg	P407360	
		2,4-Dinitrophenol	430	U	ug/kg	P407360	
		2-Methyl-4,6-dinitrophenol	72	U	ug/kg	P407360	
		2-Nitrophenol	72	U	ug/kg	P407360	
		4-Nitrophenol	72	U	ug/kg	P407360	
		Pentachlorophenol	72	U	ug/kg	P407360	
		Phenol	72	U	ug/kg	P407360	
		2,4,6-Trichlorophenol	72	U	ug/kg	P407360	
		N-Nitrosodiphenylamine/ Diphenylamine	72	U	ug/kg	P407360	
	FL-PRO 2018	TRPH	42	U	mg/Kg	P407270	
2292934	EPA 8260D	Benzene	2.3	U	ug/kg	P407143	
		Bromodichloromethane	2.3	U	ug/kg	P407143	
		Bromoform	2.3	U	ug/kg	P407143	
		Bromomethane	2.3	U	ug/kg	P407143	
		2-Butanone	11	U	ug/kg	P407143	
		Carbon tetrachloride	2.3	U	ug/kg	P407143	
		Chlorobenzene	2.3	U	ug/kg	P407143	
		Chloroethane	2.3	U	ug/kg	P407143	
		Chloroform	2.3	U	ug/kg	P407143	
		Chloromethane	2.3	U	ug/kg	P407143	
		Dibromochloromethane	2.3	U	ug/kg	P407143	
		1,2-Dichlorobenzene	2.3	U	ug/kg	P407143	
		1,3-Dichlorobenzene	2.3	U	ug/kg	P407143	
		1,4-Dichlorobenzene	2.3	U	ug/kg	P407143	
		1,1-Dichloroethane	2.3	U	ug/kg	P407143	
		1,2-Dichloroethane	2.3	U	ug/kg	P407143	
		1,1-Dichloroethene	2.3	U	ug/kg	P407143	
		cis-1,2-Dichloroethene	2.3	U	ug/kg	P407143	
		trans-1,2-Dichloroethene	2.3	U	ug/kg	P407143	
		1,2-Dichloropropane	2.3	U	ug/kg	P407143	
		cis-1,3-Dichloropropene	2.3	U	ug/kg	P407143	
		trans-1,3-Dichloropropene	2.3	U	ug/kg	P407143	
		Ethylbenzene	2.3	U	ug/kg	P407143	
		Methylene chloride	11	U	ug/kg	P407143	
		1,1,2,2-Tetrachloroethane	2.3	U	ug/kg	P407143	
		Tetrachloroethene	2.3	U	ug/kg	P407143	
		Toluene	2.3	U	ug/kg	P407143	
		1,1,1-Trichloroethane	2.3	U	ug/kg	P407143	
		1,1,2-Trichloroethane	2.3	U	ug/kg	P407143	
		Trichloroethene	2.3	U	ug/kg	P407143	
		Trichlorofluoromethane	2.3	U	ug/kg	P407143	
		Vinyl chloride	2.3	U	ug/kg	P407143	
		Methyl-t-butyl ether	2.3	U	ug/kg	P407143	

Field ID: DEPSB - 107 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292934	EPA 8260D	o-Xylene	2.3	U	ug/kg	P407143	
		m,p-Xylene	2.3	U	ug/kg	P407143	
2292954	SM 2540 G (20th)	% Solid	83.0		%	P407220	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 13:10**

Field ID: DEPSB - 107 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292929	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.54	U	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.81	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.45	I	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.63		ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.84	I	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.36	I	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	7.2		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.39	I	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	0.65	I	ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	1.3		ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.36	I	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.23	I	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	36		ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.45	I	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.7	I	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.2		ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.54	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P407004	

Field ID: DEPSB - 107 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292929	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407004	
2292955	SM 2540 G (20th)	% Solid	82.0		%	P407408	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 13:10**

Field ID: DEPSB - 107 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292911	EPA 8270E	Acenaphthene	8.0	U	ug/kg	P407360	
		Acenaphthylene	8.0	U	ug/kg	P407360	
		Anthracene	8.0	U	ug/kg	P407360	
		Azobenzene/1,2-Diphenylhydrazine	72	U	ug/kg	P407360	
		Benzidine	1.6E+03	U	ug/kg	P407360	
		Benzo(a)anthracene	8.0	U	ug/kg	P407360	
		Benzo(a)pyrene	8.0	U	ug/kg	P407360	
		Benzo(b)fluoranthene	8.0	U	ug/kg	P407360	
		Benzo(k)fluoranthene	8.0	U	ug/kg	P407360	
		Benzo(g,h,i)perylene	8.0	U	ug/kg	P407360	
		Bis(2-chloroethoxy)methane	72	U	ug/kg	P407360	
		Bis(2-chloroethyl)ether	72	U	ug/kg	P407360	
		Bis(2-chloroisopropyl)ether	72	U	ug/kg	P407360	
		Bis(2-ethylhexyl)phthalate	430	UJ	ug/kg	P407360	LCS
		Butyl benzyl phthalate	72	U	ug/kg	P407360	
		4-Bromophenyl phenyl ether	72	U	ug/kg	P407360	
		2-Chloronaphthalene	72	U	ug/kg	P407360	
		4-Chlorophenyl phenyl ether	72	U	ug/kg	P407360	
		Chrysene	8.0	U	ug/kg	P407360	
		Di-n-butyl phthalate	430	U	ug/kg	P407360	
		Di-n-octyl phthalate	72	U	ug/kg	P407360	
		Dibenzo(a,h)anthracene	8.0	U	ug/kg	P407360	
		3,3'-Dichlorobenzidine	4.3E+03	U	ug/kg	P407360	
		Diethyl phthalate	72	U	ug/kg	P407360	
		Dimethyl phthalate	72	U	ug/kg	P407360	
		2,4-Dinitrotoluene	72	U	ug/kg	P407360	
		2,6-Dinitrotoluene	72	U	ug/kg	P407360	
		Fluoranthene	8.0	U	ug/kg	P407360	
		Fluorene	8.0	U	ug/kg	P407360	
		Hexachlorobenzene	72	U	ug/kg	P407360	
		Hexachlorobutadiene	220	U	ug/kg	P407360	
		Hexachlorocyclopentadiene	72	U	ug/kg	P407360	MS, RPD
		Hexachloroethane	220	U	ug/kg	P407360	
		Indeno(1,2,3-cd)pyrene	8.0	U	ug/kg	P407360	
		Isophorone	72	U	ug/kg	P407360	
		Naphthalene	8.0	U	ug/kg	P407360	
		Nitrobenzene	72	U	ug/kg	P407360	
		N-Nitrosodimethylamine	430	U	ug/kg	P407360	
		N-Nitrosodi-n-propylamine	72	U	ug/kg	P407360	
		Phenanthrene	8.0	U	ug/kg	P407360	
		Pyrene	8.0	U	ug/kg	P407360	
		1,2,4-Trichlorobenzene	220	U	ug/kg	P407360	
		4-Chloro-3-methylphenol	72	U	ug/kg	P407360	
		2-Chlorophenol	220	U	ug/kg	P407360	

Field ID: DEPSB - 107 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292911	EPA 8270E	2,4-Dichlorophenol	72	U	ug/kg	P407360	
		2,4-Dimethylphenol	430	U	ug/kg	P407360	
		2,4-Dinitrophenol	430	U	ug/kg	P407360	
		2-Methyl-4,6-dinitrophenol	72	U	ug/kg	P407360	
		2-Nitrophenol	72	U	ug/kg	P407360	
		4-Nitrophenol	72	U	ug/kg	P407360	
		Pentachlorophenol	72	U	ug/kg	P407360	
		Phenol	72	U	ug/kg	P407360	
		2,4,6-Trichlorophenol	72	U	ug/kg	P407360	
		N-Nitrosodiphenylamine/ Diphenylamine	72	U	ug/kg	P407360	
	FL-PRO 2018	TRPH	43	U	mg/Kg	P407270	
2292935	EPA 8260D	Benzene	2.4	U	ug/kg	P407143	
		Bromodichloromethane	2.4	U	ug/kg	P407143	
		Bromoform	2.4	U	ug/kg	P407143	
		Bromomethane	2.4	U	ug/kg	P407143	
		2-Butanone	12	U	ug/kg	P407143	
		Carbon tetrachloride	2.4	U	ug/kg	P407143	
		Chlorobenzene	2.4	U	ug/kg	P407143	
		Chloroethane	2.4	U	ug/kg	P407143	
		Chloroform	2.4	U	ug/kg	P407143	
		Chloromethane	2.4	U	ug/kg	P407143	
		Dibromochloromethane	2.4	U	ug/kg	P407143	
		1,2-Dichlorobenzene	2.4	U	ug/kg	P407143	
		1,3-Dichlorobenzene	2.4	U	ug/kg	P407143	
		1,4-Dichlorobenzene	2.4	U	ug/kg	P407143	
		1,1-Dichloroethane	2.4	U	ug/kg	P407143	
		1,2-Dichloroethane	2.4	U	ug/kg	P407143	
		1,1-Dichloroethene	2.4	U	ug/kg	P407143	
		cis-1,2-Dichloroethene	2.4	U	ug/kg	P407143	
		trans-1,2-Dichloroethene	2.4	U	ug/kg	P407143	
		1,2-Dichloropropane	2.4	U	ug/kg	P407143	
		cis-1,3-Dichloropropene	2.4	U	ug/kg	P407143	
		trans-1,3-Dichloropropene	2.4	U	ug/kg	P407143	
		Ethylbenzene	2.4	U	ug/kg	P407143	
		Methylene chloride	12	U	ug/kg	P407143	
		1,1,2,2-Tetrachloroethane	2.4	U	ug/kg	P407143	
		Tetrachloroethene	2.4	U	ug/kg	P407143	
		Toluene	2.4	U	ug/kg	P407143	
		1,1,1-Trichloroethane	2.4	U	ug/kg	P407143	
		1,1,2-Trichloroethane	2.4	U	ug/kg	P407143	
		Trichloroethene	2.4	U	ug/kg	P407143	
		Trichlorofluoromethane	2.4	U	ug/kg	P407143	
		Vinyl chloride	2.4	U	ug/kg	P407143	
		Methyl-t-butyl ether	2.4	U	ug/kg	P407143	

Field ID: DEPSB - 107 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292935	EPA 8260D	o-Xylene	2.4	U	ug/kg	P407143	
		m,p-Xylene	2.4	U	ug/kg	P407143	
2292956	SM 2540 G (20th)	% Solid	81.1		%	P407220	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 13:25**

Field ID: DEPSB - 108 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292930	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.49	I	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.47	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.38	I	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.33	I	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.52		ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.47	I	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.33	I	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	3.6		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.35	I	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.23	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.36	I	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	1.2		ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	0.96		ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.13	I	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.37	I	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.23	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.23	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.23	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.23	U	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.23	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.23	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.23	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.23	U	ug/Kg	P407004	

Field ID: DEPSB - 108 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292930	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.23	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.93	U	ug/Kg	P407004	
2292957	SM 2540 G (20th)	% Solid	89.8		%	P407408	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 13:25**

Field ID: DEPSB - 108 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292912	EPA 8270E	Acenaphthene	7.5	U	ug/kg	P407360	
		Acenaphthylene	7.5	U	ug/kg	P407360	
		Anthracene	7.5	U	ug/kg	P407360	
		Azobenzene/1,2-Diphenylhydrazine	67	U	ug/kg	P407360	
		Benzidine	1.5E+03	U	ug/kg	P407360	
		Benzo(a)anthracene	7.5	U	ug/kg	P407360	
		Benzo(a)pyrene	7.5	U	ug/kg	P407360	
		Benzo(b)fluoranthene	17	I	ug/kg	P407360	
		Benzo(k)fluoranthene	7.5	U	ug/kg	P407360	
		Benzo(g,h,i)perylene	7.5	U	ug/kg	P407360	
		Bis(2-chloroethoxy)methane	67	U	ug/kg	P407360	
		Bis(2-chloroethyl)ether	67	U	ug/kg	P407360	
		Bis(2-chloroisopropyl)ether	67	U	ug/kg	P407360	
		Bis(2-ethylhexyl)phthalate	400	UJ	ug/kg	P407360	LCS
		Butyl benzyl phthalate	67	U	ug/kg	P407360	
		4-Bromophenyl phenyl ether	67	U	ug/kg	P407360	
		2-Chloronaphthalene	67	U	ug/kg	P407360	
		4-Chlorophenyl phenyl ether	67	U	ug/kg	P407360	
		Chrysene	7.5	U	ug/kg	P407360	
		Di-n-butyl phthalate	400	U	ug/kg	P407360	
		Di-n-octyl phthalate	67	U	ug/kg	P407360	
		Dibenzo(a,h)anthracene	7.5	U	ug/kg	P407360	
		3,3'-Dichlorobenzidine	4.0E+03	U	ug/kg	P407360	
		Diethyl phthalate	67	U	ug/kg	P407360	
		Dimethyl phthalate	67	U	ug/kg	P407360	
		2,4-Dinitrotoluene	67	U	ug/kg	P407360	
		2,6-Dinitrotoluene	67	U	ug/kg	P407360	
		Fluoranthene	7.5	U	ug/kg	P407360	
		Fluorene	7.5	U	ug/kg	P407360	
		Hexachlorobenzene	67	U	ug/kg	P407360	
		Hexachlorobutadiene	200	U	ug/kg	P407360	
		Hexachlorocyclopentadiene	67	U	ug/kg	P407360	MS, RPD
		Hexachloroethane	200	U	ug/kg	P407360	
		Indeno(1,2,3-cd)pyrene	7.5	U	ug/kg	P407360	
		Isophorone	67	U	ug/kg	P407360	
		Naphthalene	7.5	U	ug/kg	P407360	
		Nitrobenzene	67	U	ug/kg	P407360	
		N-Nitrosodimethylamine	400	U	ug/kg	P407360	
		N-Nitrosodi-n-propylamine	67	U	ug/kg	P407360	
		Phenanthrene	7.5	U	ug/kg	P407360	
		Pyrene	7.5	U	ug/kg	P407360	
		1,2,4-Trichlorobenzene	200	U	ug/kg	P407360	
		4-Chloro-3-methylphenol	67	U	ug/kg	P407360	
		2-Chlorophenol	200	U	ug/kg	P407360	

Field ID: DEPSB - 108 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292912	EPA 8270E	2,4-Dichlorophenol	67	U	ug/kg	P407360	
		2,4-Dimethylphenol	400	U	ug/kg	P407360	
		2,4-Dinitrophenol	400	U	ug/kg	P407360	
		2-Methyl-4,6-dinitrophenol	67	U	ug/kg	P407360	
		2-Nitrophenol	67	U	ug/kg	P407360	
		4-Nitrophenol	67	U	ug/kg	P407360	
		Pentachlorophenol	67	U	ug/kg	P407360	
		Phenol	67	U	ug/kg	P407360	
		2,4,6-Trichlorophenol	67	U	ug/kg	P407360	
		N-Nitrosodiphenylamine/ Diphenylamine	67	U	ug/kg	P407360	
	FL-PRO 2018	TRPH	40	U	mg/Kg	P407270	
2292936	EPA 8260D	Benzene	2.2	U	ug/kg	P407143	
		Bromodichloromethane	2.2	U	ug/kg	P407143	
		Bromoform	2.2	U	ug/kg	P407143	
		Bromomethane	2.2	U	ug/kg	P407143	
		2-Butanone	11	U	ug/kg	P407143	
		Carbon tetrachloride	2.2	U	ug/kg	P407143	
		Chlorobenzene	2.2	U	ug/kg	P407143	
		Chloroethane	2.2	U	ug/kg	P407143	
		Chloroform	2.2	U	ug/kg	P407143	
		Chloromethane	2.2	U	ug/kg	P407143	
		Dibromochloromethane	2.2	U	ug/kg	P407143	
		1,2-Dichlorobenzene	2.2	U	ug/kg	P407143	
		1,3-Dichlorobenzene	2.2	U	ug/kg	P407143	
		1,4-Dichlorobenzene	2.2	U	ug/kg	P407143	
		1,1-Dichloroethane	2.2	U	ug/kg	P407143	
		1,2-Dichloroethane	2.2	U	ug/kg	P407143	
		1,1-Dichloroethene	2.2	U	ug/kg	P407143	
		cis-1,2-Dichloroethene	2.2	U	ug/kg	P407143	
		trans-1,2-Dichloroethene	2.2	U	ug/kg	P407143	
		1,2-Dichloropropane	2.2	U	ug/kg	P407143	
		cis-1,3-Dichloropropene	2.2	U	ug/kg	P407143	
		trans-1,3-Dichloropropene	2.2	U	ug/kg	P407143	
		Ethylbenzene	2.2	U	ug/kg	P407143	
		Methylene chloride	11	U	ug/kg	P407143	
		1,1,2,2-Tetrachloroethane	2.2	U	ug/kg	P407143	
		Tetrachloroethene	2.2	U	ug/kg	P407143	
		Toluene	2.2	U	ug/kg	P407143	
		1,1,1-Trichloroethane	2.2	U	ug/kg	P407143	
		1,1,2-Trichloroethane	2.2	U	ug/kg	P407143	
		Trichloroethene	2.2	U	ug/kg	P407143	
		Trichlorofluoromethane	2.2	U	ug/kg	P407143	
		Vinyl chloride	2.2	U	ug/kg	P407143	
		Methyl-t-butyl ether	2.2	U	ug/kg	P407143	

Field ID: DEPSB - 108 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292936	EPA 8260D	o-Xylene	2.2	U	ug/kg	P407143	
		m,p-Xylene	2.2	U	ug/kg	P407143	
2292958	SM 2540 G (20th)	% Solid	88.8		%	P407220	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 13:35**

Field ID: DEPSB - 108 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292931	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.55	I	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.51	U	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.25	I	ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.44	I	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	2.0		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	0.26	U	ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	0.29	I	ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.17	I	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.30	I	ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.51	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P407004	

Field ID: DEPSB - 108 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292931	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P407004	
2292959	SM 2540 G (20th)	% Solid	84.7		%	P407408	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 13:35**

Field ID: DEPSB - 108 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292913	EPA 8270E	Acenaphthene	7.7	U	ug/kg	P407360	
		Acenaphthylene	7.7	U	ug/kg	P407360	
		Anthracene	7.7	U	ug/kg	P407360	
		Azobenzene/1,2-Diphenylhydrazine	69	U	ug/kg	P407360	
		Benzidine	1.5E+03	U	ug/kg	P407360	
		Benzo(a)anthracene	7.7	U	ug/kg	P407360	
		Benzo(a)pyrene	7.7	U	ug/kg	P407360	
		Benzo(b)fluoranthene	7.7	U	ug/kg	P407360	
		Benzo(k)fluoranthene	7.7	U	ug/kg	P407360	
		Benzo(g,h,i)perylene	7.7	U	ug/kg	P407360	
		Bis(2-chloroethoxy)methane	69	U	ug/kg	P407360	
		Bis(2-chloroethyl)ether	69	U	ug/kg	P407360	
		Bis(2-chloroisopropyl)ether	69	U	ug/kg	P407360	
		Bis(2-ethylhexyl)phthalate	410	UJ	ug/kg	P407360	LCS
		Butyl benzyl phthalate	69	U	ug/kg	P407360	
		4-Bromophenyl phenyl ether	69	U	ug/kg	P407360	
		2-Chloronaphthalene	69	U	ug/kg	P407360	
		4-Chlorophenyl phenyl ether	69	U	ug/kg	P407360	
		Chrysene	7.7	U	ug/kg	P407360	
		Di-n-butyl phthalate	410	U	ug/kg	P407360	
		Di-n-octyl phthalate	69	U	ug/kg	P407360	
		Dibenzo(a,h)anthracene	7.7	U	ug/kg	P407360	
		3,3'-Dichlorobenzidine	4.1E+03	U	ug/kg	P407360	
		Diethyl phthalate	69	U	ug/kg	P407360	
		Dimethyl phthalate	69	U	ug/kg	P407360	
		2,4-Dinitrotoluene	69	U	ug/kg	P407360	
		2,6-Dinitrotoluene	69	U	ug/kg	P407360	
		Fluoranthene	7.7	U	ug/kg	P407360	
		Fluorene	7.7	U	ug/kg	P407360	
		Hexachlorobenzene	69	U	ug/kg	P407360	
		Hexachlorobutadiene	210	U	ug/kg	P407360	
		Hexachlorocyclopentadiene	69	U	ug/kg	P407360	MS, RPD
		Hexachloroethane	210	U	ug/kg	P407360	
		Indeno(1,2,3-cd)pyrene	7.7	U	ug/kg	P407360	
		Isophorone	69	U	ug/kg	P407360	
		Naphthalene	7.7	U	ug/kg	P407360	
		Nitrobenzene	69	U	ug/kg	P407360	
		N-Nitrosodimethylamine	410	U	ug/kg	P407360	
		N-Nitrosodi-n-propylamine	69	U	ug/kg	P407360	
		Phenanthrene	7.7	U	ug/kg	P407360	
		Pyrene	7.7	U	ug/kg	P407360	
		1,2,4-Trichlorobenzene	210	U	ug/kg	P407360	
		4-Chloro-3-methylphenol	69	U	ug/kg	P407360	
		2-Chlorophenol	210	U	ug/kg	P407360	

Field ID: DEPSB - 108 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292913	EPA 8270E	2,4-Dichlorophenol	69	U	ug/kg	P407360	
		2,4-Dimethylphenol	410	U	ug/kg	P407360	
		2,4-Dinitrophenol	410	U	ug/kg	P407360	
		2-Methyl-4,6-dinitrophenol	69	U	ug/kg	P407360	
		2-Nitrophenol	69	U	ug/kg	P407360	
		4-Nitrophenol	69	U	ug/kg	P407360	
		Pentachlorophenol	69	U	ug/kg	P407360	
		Phenol	69	U	ug/kg	P407360	
		2,4,6-Trichlorophenol	69	U	ug/kg	P407360	
		N-Nitrosodiphenylamine/ Diphenylamine	69	U	ug/kg	P407360	
	FL-PRO 2018	TRPH	41	U	mg/Kg	P407270	
2292937	EPA 8260D	Benzene	2.3	U	ug/kg	P407143	
		Bromodichloromethane	2.3	U	ug/kg	P407143	
		Bromoform	2.3	U	ug/kg	P407143	
		Bromomethane	2.3	U	ug/kg	P407143	
		2-Butanone	11	U	ug/kg	P407143	
		Carbon tetrachloride	2.3	U	ug/kg	P407143	
		Chlorobenzene	2.3	U	ug/kg	P407143	
		Chloroethane	2.3	U	ug/kg	P407143	
		Chloroform	2.3	U	ug/kg	P407143	
		Chloromethane	2.3	U	ug/kg	P407143	
		Dibromochloromethane	2.3	U	ug/kg	P407143	
		1,2-Dichlorobenzene	2.3	U	ug/kg	P407143	
		1,3-Dichlorobenzene	2.3	U	ug/kg	P407143	
		1,4-Dichlorobenzene	2.3	U	ug/kg	P407143	
		1,1-Dichloroethane	2.3	U	ug/kg	P407143	
		1,2-Dichloroethane	2.3	U	ug/kg	P407143	
		1,1-Dichloroethene	2.3	U	ug/kg	P407143	
		cis-1,2-Dichloroethene	2.3	U	ug/kg	P407143	
		trans-1,2-Dichloroethene	2.3	U	ug/kg	P407143	
		1,2-Dichloropropane	2.3	U	ug/kg	P407143	
		cis-1,3-Dichloropropene	2.3	U	ug/kg	P407143	
		trans-1,3-Dichloropropene	2.3	U	ug/kg	P407143	
		Ethylbenzene	2.3	U	ug/kg	P407143	
		Methylene chloride	11	U	ug/kg	P407143	
		1,1,2,2-Tetrachloroethane	2.3	U	ug/kg	P407143	
		Tetrachloroethene	2.3	U	ug/kg	P407143	
		Toluene	2.3	U	ug/kg	P407143	
		1,1,1-Trichloroethane	2.3	U	ug/kg	P407143	
		1,1,2-Trichloroethane	2.3	U	ug/kg	P407143	
		Trichloroethene	2.3	U	ug/kg	P407143	
		Trichlorofluoromethane	2.3	U	ug/kg	P407143	
		Vinyl chloride	2.3	U	ug/kg	P407143	
		Methyl-t-butyl ether	2.3	U	ug/kg	P407143	

Field ID: DEPSB - 108 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292937	EPA 8260D	o-Xylene	2.3	U	ug/kg	P407143	
		m,p-Xylene	2.3	U	ug/kg	P407143	
2292960	SM 2540 G (20th)	% Solid	85.4		%	P407220	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 13:45**

Field ID: DEPSB - 108 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292932	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.54	U	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.54	U	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.27	U	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.42	I	ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.27	U	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.61	I	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	1.4		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.27	U	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	0.27	U	ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	0.39	I	ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.3		ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	U	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.27	U	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.54	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P407004	

Field ID: DEPSB - 108 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292932	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407004	
2292961	SM 2540 G (20th)	% Solid	80.7		%	P407408	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 13:45**

Field ID: DEPSB - 108 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292914	EPA 8270E	Acenaphthene	8.0	U	ug/kg	P407360	
		Acenaphthylene	8.0	U	ug/kg	P407360	
		Anthracene	8.0	U	ug/kg	P407360	
		Azobenzene/1,2-Diphenylhydrazine	72	U	ug/kg	P407360	
		Benzidine	1.6E+03	U	ug/kg	P407360	
		Benzo(a)anthracene	8.0	U	ug/kg	P407360	
		Benzo(a)pyrene	8.0	U	ug/kg	P407360	
		Benzo(b)fluoranthene	8.0	U	ug/kg	P407360	
		Benzo(k)fluoranthene	8.0	U	ug/kg	P407360	
		Benzo(g,h,i)perylene	8.0	U	ug/kg	P407360	
		Bis(2-chloroethoxy)methane	72	U	ug/kg	P407360	
		Bis(2-chloroethyl)ether	72	U	ug/kg	P407360	
		Bis(2-chloroisopropyl)ether	72	U	ug/kg	P407360	
		Bis(2-ethylhexyl)phthalate	430	UJ	ug/kg	P407360	LCS
		Butyl benzyl phthalate	72	U	ug/kg	P407360	
		4-Bromophenyl phenyl ether	72	U	ug/kg	P407360	
		2-Chloronaphthalene	72	U	ug/kg	P407360	
		4-Chlorophenyl phenyl ether	72	U	ug/kg	P407360	
		Chrysene	8.0	U	ug/kg	P407360	
		Di-n-butyl phthalate	430	U	ug/kg	P407360	
		Di-n-octyl phthalate	72	U	ug/kg	P407360	
		Dibenzo(a,h)anthracene	8.0	U	ug/kg	P407360	
		3,3'-Dichlorobenzidine	4.3E+03	U	ug/kg	P407360	
		Diethyl phthalate	72	U	ug/kg	P407360	
		Dimethyl phthalate	72	U	ug/kg	P407360	
		2,4-Dinitrotoluene	72	U	ug/kg	P407360	
		2,6-Dinitrotoluene	72	U	ug/kg	P407360	
		Fluoranthene	8.0	U	ug/kg	P407360	
		Fluorene	8.0	U	ug/kg	P407360	
		Hexachlorobenzene	72	U	ug/kg	P407360	
		Hexachlorobutadiene	220	U	ug/kg	P407360	
		Hexachlorocyclopentadiene	72	U	ug/kg	P407360	MS, RPD
		Hexachloroethane	220	U	ug/kg	P407360	
		Indeno(1,2,3-cd)pyrene	8.0	U	ug/kg	P407360	
		Isophorone	72	U	ug/kg	P407360	
		Naphthalene	8.0	U	ug/kg	P407360	
		Nitrobenzene	72	U	ug/kg	P407360	
		N-Nitrosodimethylamine	430	U	ug/kg	P407360	
		N-Nitrosodi-n-propylamine	72	U	ug/kg	P407360	
		Phenanthrene	8.0	U	ug/kg	P407360	
		Pyrene	8.0	U	ug/kg	P407360	
		1,2,4-Trichlorobenzene	220	U	ug/kg	P407360	
		4-Chloro-3-methylphenol	72	U	ug/kg	P407360	
		2-Chlorophenol	220	U	ug/kg	P407360	

Field ID: DEPSB - 108 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292914	EPA 8270E	2,4-Dichlorophenol	72	U	ug/kg	P407360	
		2,4-Dimethylphenol	430	U	ug/kg	P407360	
		2,4-Dinitrophenol	430	U	ug/kg	P407360	
		2-Methyl-4,6-dinitrophenol	72	U	ug/kg	P407360	
		2-Nitrophenol	72	U	ug/kg	P407360	
		4-Nitrophenol	72	U	ug/kg	P407360	
		Pentachlorophenol	72	U	ug/kg	P407360	
		Phenol	72	U	ug/kg	P407360	
		2,4,6-Trichlorophenol	72	U	ug/kg	P407360	
		N-Nitrosodiphenylamine/ Diphenylamine	72	U	ug/kg	P407360	
	FL-PRO 2018	TRPH	43	U	mg/Kg	P407270	
2292938	EPA 8260D	Benzene	2.3	U	ug/kg	P407143	
		Bromodichloromethane	2.3	U	ug/kg	P407143	
		Bromoform	2.3	U	ug/kg	P407143	
		Bromomethane	2.3	U	ug/kg	P407143	
		2-Butanone	12	U	ug/kg	P407143	
		Carbon tetrachloride	2.3	U	ug/kg	P407143	
		Chlorobenzene	2.3	U	ug/kg	P407143	
		Chloroethane	2.3	U	ug/kg	P407143	
		Chloroform	2.3	U	ug/kg	P407143	
		Chloromethane	2.3	U	ug/kg	P407143	
		Dibromochloromethane	2.3	U	ug/kg	P407143	
		1,2-Dichlorobenzene	2.3	U	ug/kg	P407143	
		1,3-Dichlorobenzene	2.3	U	ug/kg	P407143	
		1,4-Dichlorobenzene	2.3	U	ug/kg	P407143	
		1,1-Dichloroethane	2.3	U	ug/kg	P407143	
		1,2-Dichloroethane	2.3	U	ug/kg	P407143	
		1,1-Dichloroethene	2.3	U	ug/kg	P407143	
		cis-1,2-Dichloroethene	2.3	U	ug/kg	P407143	
		trans-1,2-Dichloroethene	2.3	U	ug/kg	P407143	
		1,2-Dichloropropane	2.3	U	ug/kg	P407143	
		cis-1,3-Dichloropropene	2.3	U	ug/kg	P407143	
		trans-1,3-Dichloropropene	2.3	U	ug/kg	P407143	
		Ethylbenzene	2.3	U	ug/kg	P407143	
		Methylene chloride	12	U	ug/kg	P407143	
		1,1,2,2-Tetrachloroethane	2.3	U	ug/kg	P407143	
		Tetrachloroethene	2.3	U	ug/kg	P407143	
		Toluene	2.3	U	ug/kg	P407143	
		1,1,1-Trichloroethane	2.3	U	ug/kg	P407143	
		1,1,2-Trichloroethane	2.3	U	ug/kg	P407143	
		Trichloroethene	2.3	U	ug/kg	P407143	
		Trichlorofluoromethane	2.3	U	ug/kg	P407143	
		Vinyl chloride	2.3	U	ug/kg	P407143	
		Methyl-t-butyl ether	2.3	U	ug/kg	P407143	

Field ID: DEPSB - 108 - 2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292938	EPA 8260D	o-Xylene	2.3	U	ug/kg	P407143	
		m,p-Xylene	2.3	U	ug/kg	P407143	
2292962	SM 2540 G (20th)	% Solid	81.2		%	P407220	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 13:55**

Field ID: DEPSB - 109 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292977	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.11	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.45	U	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.55	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.90		ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.22	U	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.48		ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.33	I	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.22	U	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	2.0		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.22	U	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.22	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.33	I	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	1.8		ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	0.41	I	ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.11	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.11	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.11	U	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.94		ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.11	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.11	U	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	I	ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.11	U	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.22	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.22	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.22	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.8	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.22	U	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.11	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.11	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.45	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.22	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.22	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.22	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.22	U	ug/Kg	P407004	

Field ID: DEPSB - 109 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292977	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.22	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.90	U	ug/Kg	P407004	
2292999	SM 2540 G (20th)	% Solid	92.3		%	P407408	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 13:55**

Field ID: DEPSB - 109 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292973	EPA 8270E	Acenaphthene	7.0	U	ug/kg	P407360	
		Acenaphthylene	7.0	U	ug/kg	P407360	
		Anthracene	7.0	U	ug/kg	P407360	
		Azobenzene/1,2-Diphenylhydrazine	63	U	ug/kg	P407360	
		Benzidine	1.4E+03	U	ug/kg	P407360	
		Benzo(a)anthracene	7.0	U	ug/kg	P407360	
		Benzo(a)pyrene	7.0	U	ug/kg	P407360	
		Benzo(b)fluoranthene	17	I	ug/kg	P407360	
		Benzo(k)fluoranthene	7.0	U	ug/kg	P407360	
		Benzo(g,h,i)perylene	7.0	U	ug/kg	P407360	
		Bis(2-chloroethoxy)methane	63	U	ug/kg	P407360	
		Bis(2-chloroethyl)ether	63	U	ug/kg	P407360	
		Bis(2-chloroisopropyl)ether	63	U	ug/kg	P407360	
		Bis(2-ethylhexyl)phthalate	380	UJ	ug/kg	P407360	LCS
		Butyl benzyl phthalate	63	U	ug/kg	P407360	
		4-Bromophenyl phenyl ether	63	U	ug/kg	P407360	
		2-Chloronaphthalene	63	U	ug/kg	P407360	
		4-Chlorophenyl phenyl ether	63	U	ug/kg	P407360	
		Chrysene	7.0	U	ug/kg	P407360	
		Di-n-butyl phthalate	380	U	ug/kg	P407360	
		Di-n-octyl phthalate	63	U	ug/kg	P407360	
		Dibenzo(a,h)anthracene	7.0	U	ug/kg	P407360	
		3,3'-Dichlorobenzidine	3.8E+03	U	ug/kg	P407360	
		Diethyl phthalate	63	U	ug/kg	P407360	
		Dimethyl phthalate	63	U	ug/kg	P407360	
		2,4-Dinitrotoluene	63	U	ug/kg	P407360	
		2,6-Dinitrotoluene	63	U	ug/kg	P407360	
		Fluoranthene	7.0	U	ug/kg	P407360	
		Fluorene	7.0	U	ug/kg	P407360	
		Hexachlorobenzene	63	U	ug/kg	P407360	
		Hexachlorobutadiene	190	U	ug/kg	P407360	
		Hexachlorocyclopentadiene	63	U	ug/kg	P407360	MS, RPD
		Hexachloroethane	190	U	ug/kg	P407360	
		Indeno(1,2,3-cd)pyrene	7.0	U	ug/kg	P407360	
		Isophorone	63	U	ug/kg	P407360	
		Naphthalene	7.0	U	ug/kg	P407360	
		Nitrobenzene	63	U	ug/kg	P407360	
		N-Nitrosodimethylamine	380	U	ug/kg	P407360	
		N-Nitrosodi-n-propylamine	63	U	ug/kg	P407360	
		Phenanthrene	7.0	U	ug/kg	P407360	
		Pyrene	7.0	U	ug/kg	P407360	
		1,2,4-Trichlorobenzene	190	U	ug/kg	P407360	
		4-Chloro-3-methylphenol	63	U	ug/kg	P407360	
		2-Chlorophenol	190	U	ug/kg	P407360	

Field ID: DEPSB - 109 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292973	EPA 8270E	2,4-Dichlorophenol	63	U	ug/kg	P407360	
		2,4-Dimethylphenol	380	U	ug/kg	P407360	
		2,4-Dinitrophenol	380	U	ug/kg	P407360	
		2-Methyl-4,6-dinitrophenol	63	U	ug/kg	P407360	
		2-Nitrophenol	63	U	ug/kg	P407360	
		4-Nitrophenol	63	U	ug/kg	P407360	
		Pentachlorophenol	63	U	ug/kg	P407360	
		Phenol	63	U	ug/kg	P407360	
		2,4,6-Trichlorophenol	63	U	ug/kg	P407360	
		N-Nitrosodiphenylamine/ Diphenylamine	63	U	ug/kg	P407360	
	FL-PRO 2018	TRPH	38	U	mg/Kg	P407270	
2292995	EPA 8260D	Benzene	2.1	U	ug/kg	P407143	
		Bromodichloromethane	2.1	U	ug/kg	P407143	
		Bromoform	2.1	U	ug/kg	P407143	
		Bromomethane	2.1	U	ug/kg	P407143	
		2-Butanone	10	U	ug/kg	P407143	
		Carbon tetrachloride	2.1	U	ug/kg	P407143	
		Chlorobenzene	2.1	U	ug/kg	P407143	
		Chloroethane	2.1	U	ug/kg	P407143	
		Chloroform	2.1	U	ug/kg	P407143	
		Chloromethane	2.1	U	ug/kg	P407143	
		Dibromochloromethane	2.1	U	ug/kg	P407143	
		1,2-Dichlorobenzene	2.1	U	ug/kg	P407143	
		1,3-Dichlorobenzene	2.1	U	ug/kg	P407143	
		1,4-Dichlorobenzene	2.1	U	ug/kg	P407143	
		1,1-Dichloroethane	2.1	U	ug/kg	P407143	
		1,2-Dichloroethane	2.1	U	ug/kg	P407143	
		1,1-Dichloroethene	2.1	U	ug/kg	P407143	
		cis-1,2-Dichloroethene	2.1	U	ug/kg	P407143	
		trans-1,2-Dichloroethene	2.1	U	ug/kg	P407143	
		1,2-Dichloropropane	2.1	U	ug/kg	P407143	
		cis-1,3-Dichloropropene	2.1	U	ug/kg	P407143	
		trans-1,3-Dichloropropene	2.1	U	ug/kg	P407143	
		Ethylbenzene	2.1	U	ug/kg	P407143	
		Methylene chloride	10	U	ug/kg	P407143	
		1,1,2,2-Tetrachloroethane	2.1	U	ug/kg	P407143	
		Tetrachloroethene	2.1	U	ug/kg	P407143	
		Toluene	2.1	U	ug/kg	P407143	
		1,1,1-Trichloroethane	2.1	U	ug/kg	P407143	
		1,1,2-Trichloroethane	2.1	U	ug/kg	P407143	
		Trichloroethene	2.1	U	ug/kg	P407143	
		Trichlorofluoromethane	2.1	U	ug/kg	P407143	
		Vinyl chloride	2.1	U	ug/kg	P407143	
		Methyl-t-butyl ether	2.1	U	ug/kg	P407143	

Field ID: DEPSB - 109 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292995	EPA 8260D	o-Xylene	2.1	U	ug/kg	P407143	
		m,p-Xylene	2.1	U	ug/kg	P407143	
2293000	SM 2540 G (20th)	% Solid	93.6		%	P407220	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 14:05**

Field ID: DEPSB - 109 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292978	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.52	U	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	1.2	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.63	I	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	0.54		ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	0.73	I	ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.38	I	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	3.1		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.55	I	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	1.5		ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	1.2		ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.19	I	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.85		ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.1		ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.23	I	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.1		ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.52	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P407004	

Field ID: DEPSB - 109 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292978	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P407004	
2293001	SM 2540 G (20th)	% Solid	83.6		%	P407408	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 14:05**

Field ID: DEPSB - 109 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292974	EPA 8270E	Acenaphthene	7.6	U	ug/kg	P407360	
		Acenaphthylene	7.6	U	ug/kg	P407360	
		Anthracene	7.6	U	ug/kg	P407360	
		Azobenzene/1,2-Diphenylhydrazine	68	U	ug/kg	P407360	
		Benzidine	1.5E+03	U	ug/kg	P407360	
		Benzo(a)anthracene	7.6	U	ug/kg	P407360	
		Benzo(a)pyrene	7.6	U	ug/kg	P407360	
		Benzo(b)fluoranthene	7.6	U	ug/kg	P407360	
		Benzo(k)fluoranthene	7.6	U	ug/kg	P407360	
		Benzo(g,h,i)perylene	7.6	U	ug/kg	P407360	
		Bis(2-chloroethoxy)methane	68	U	ug/kg	P407360	
		Bis(2-chloroethyl)ether	68	U	ug/kg	P407360	
		Bis(2-chloroisopropyl)ether	68	U	ug/kg	P407360	
		Bis(2-ethylhexyl)phthalate	410	UJ	ug/kg	P407360	LCS
		Butyl benzyl phthalate	68	U	ug/kg	P407360	
		4-Bromophenyl phenyl ether	68	U	ug/kg	P407360	
		2-Chloronaphthalene	68	U	ug/kg	P407360	
		4-Chlorophenyl phenyl ether	68	U	ug/kg	P407360	
		Chrysene	7.6	U	ug/kg	P407360	
		Di-n-butyl phthalate	410	U	ug/kg	P407360	
		Di-n-octyl phthalate	68	U	ug/kg	P407360	
		Dibenzo(a,h)anthracene	7.6	U	ug/kg	P407360	
		3,3'-Dichlorobenzidine	4.1E+03	U	ug/kg	P407360	
		Diethyl phthalate	68	U	ug/kg	P407360	
		Dimethyl phthalate	68	U	ug/kg	P407360	
		2,4-Dinitrotoluene	68	U	ug/kg	P407360	
		2,6-Dinitrotoluene	68	U	ug/kg	P407360	
		Fluoranthene	7.6	U	ug/kg	P407360	
		Fluorene	7.6	U	ug/kg	P407360	
		Hexachlorobenzene	68	U	ug/kg	P407360	
		Hexachlorobutadiene	210	U	ug/kg	P407360	
		Hexachlorocyclopentadiene	68	U	ug/kg	P407360	MS, RPD
		Hexachloroethane	210	U	ug/kg	P407360	
		Indeno(1,2,3-cd)pyrene	7.6	U	ug/kg	P407360	
		Isophorone	68	U	ug/kg	P407360	
		Naphthalene	7.6	U	ug/kg	P407360	
		Nitrobenzene	68	U	ug/kg	P407360	
		N-Nitrosodimethylamine	410	U	ug/kg	P407360	
		N-Nitrosodi-n-propylamine	68	U	ug/kg	P407360	
		Phenanthrene	7.6	U	ug/kg	P407360	
		Pyrene	7.6	U	ug/kg	P407360	
		1,2,4-Trichlorobenzene	210	U	ug/kg	P407360	
		4-Chloro-3-methylphenol	68	U	ug/kg	P407360	
		2-Chlorophenol	210	U	ug/kg	P407360	

Field ID: DEPSB - 109 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292974	EPA 8270E	2,4-Dichlorophenol	68	U	ug/kg	P407360	
		2,4-Dimethylphenol	410	U	ug/kg	P407360	
		2,4-Dinitrophenol	410	U	ug/kg	P407360	
		2-Methyl-4,6-dinitrophenol	68	U	ug/kg	P407360	
		2-Nitrophenol	68	U	ug/kg	P407360	
		4-Nitrophenol	68	U	ug/kg	P407360	
		Pentachlorophenol	68	U	ug/kg	P407360	
		Phenol	68	U	ug/kg	P407360	
		2,4,6-Trichlorophenol	68	U	ug/kg	P407360	
		N-Nitrosodiphenylamine/ Diphenylamine	68	U	ug/kg	P407360	
	FL-PRO 2018	TRPH	41	U	mg/Kg	P407270	
2292996	EPA 8260D	Benzene	2.2	U	ug/kg	P407143	
		Bromodichloromethane	2.2	U	ug/kg	P407143	
		Bromoform	2.2	U	ug/kg	P407143	
		Bromomethane	2.2	U	ug/kg	P407143	
		2-Butanone	11	U	ug/kg	P407143	
		Carbon tetrachloride	2.2	U	ug/kg	P407143	
		Chlorobenzene	2.2	U	ug/kg	P407143	
		Chloroethane	2.2	U	ug/kg	P407143	
		Chloroform	2.2	U	ug/kg	P407143	
		Chloromethane	2.2	U	ug/kg	P407143	
		Dibromochloromethane	2.2	U	ug/kg	P407143	
		1,2-Dichlorobenzene	2.2	U	ug/kg	P407143	
		1,3-Dichlorobenzene	2.2	U	ug/kg	P407143	
		1,4-Dichlorobenzene	2.2	U	ug/kg	P407143	
		1,1-Dichloroethane	2.2	U	ug/kg	P407143	
		1,2-Dichloroethane	2.2	U	ug/kg	P407143	
		1,1-Dichloroethene	2.2	U	ug/kg	P407143	
		cis-1,2-Dichloroethene	2.2	U	ug/kg	P407143	
		trans-1,2-Dichloroethene	2.2	U	ug/kg	P407143	
		1,2-Dichloropropane	2.2	U	ug/kg	P407143	
		cis-1,3-Dichloropropene	2.2	U	ug/kg	P407143	
		trans-1,3-Dichloropropene	2.2	U	ug/kg	P407143	
		Ethylbenzene	2.2	U	ug/kg	P407143	
		Methylene chloride	11	U	ug/kg	P407143	
		1,1,2,2-Tetrachloroethane	2.2	U	ug/kg	P407143	
		Tetrachloroethene	2.2	U	ug/kg	P407143	
		Toluene	2.2	U	ug/kg	P407143	
		1,1,1-Trichloroethane	2.2	U	ug/kg	P407143	
		1,1,2-Trichloroethane	2.2	U	ug/kg	P407143	
		Trichloroethene	2.2	U	ug/kg	P407143	
		Trichlorofluoromethane	2.2	U	ug/kg	P407143	
		Vinyl chloride	2.2	U	ug/kg	P407143	
		Methyl-t-butyl ether	2.2	U	ug/kg	P407143	

Field ID: DEPSB - 109 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292996	EPA 8260D	o-Xylene	2.2	U	ug/kg	P407143	
		m,p-Xylene	2.2	U	ug/kg	P407143	
2293002	SM 2540 G (20th)	% Solid	86.6	A	%	P407221	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 14:15**

Field ID: DEPSB - 110 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292979	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.17	I	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	1.2	I	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	1.3	I	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.92	I	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	1.2		ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	3.3		ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	1.4		ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	1.3		ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	30		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.93	I	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.29	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.84	I	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	3.9		ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	2.7		ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.19	I	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.21	I	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.40	I	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	1.6		ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.62		ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.19	I	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.29	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.29	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.29	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.3	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.29	U	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.58	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.29	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.29	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.29	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.29	U	ug/Kg	P407004	

Field ID: DEPSB - 110 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292979	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.29	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.2	U	ug/Kg	P407004	
2293003	SM 2540 G (20th)	% Solid	77.2		%	P407408	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 14:15**

Field ID: DEPSB - 110 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292975	EPA 8270E	Acenaphthene	8.5	U	ug/kg	P407360	
		Acenaphthylene	8.5	U	ug/kg	P407360	
		Anthracene	8.5	U	ug/kg	P407360	
		Azobenzene/1,2-Diphenylhydrazine	77	U	ug/kg	P407360	
		Benzidine	1.7E+03	U	ug/kg	P407360	
		Benzo(a)anthracene	8.5	U	ug/kg	P407360	
		Benzo(a)pyrene	8.5	U	ug/kg	P407360	
		Benzo(b)fluoranthene	8.5	U	ug/kg	P407360	
		Benzo(k)fluoranthene	8.5	U	ug/kg	P407360	
		Benzo(g,h,i)perylene	8.5	U	ug/kg	P407360	
		Bis(2-chloroethoxy)methane	77	U	ug/kg	P407360	
		Bis(2-chloroethyl)ether	77	U	ug/kg	P407360	
		Bis(2-chloroisopropyl)ether	77	U	ug/kg	P407360	
		Bis(2-ethylhexyl)phthalate	460	UJ	ug/kg	P407360	LCS
		Butyl benzyl phthalate	77	U	ug/kg	P407360	
		4-Bromophenyl phenyl ether	77	U	ug/kg	P407360	
		2-Chloronaphthalene	77	U	ug/kg	P407360	
		4-Chlorophenyl phenyl ether	77	U	ug/kg	P407360	
		Chrysene	8.5	U	ug/kg	P407360	
		Di-n-butyl phthalate	460	U	ug/kg	P407360	
		Di-n-octyl phthalate	77	U	ug/kg	P407360	
		Dibenzo(a,h)anthracene	8.5	U	ug/kg	P407360	
		3,3'-Dichlorobenzidine	4.6E+03	U	ug/kg	P407360	
		Diethyl phthalate	77	U	ug/kg	P407360	
		Dimethyl phthalate	77	U	ug/kg	P407360	
		2,4-Dinitrotoluene	77	U	ug/kg	P407360	
		2,6-Dinitrotoluene	77	U	ug/kg	P407360	
		Fluoranthene	8.5	U	ug/kg	P407360	
		Fluorene	8.5	U	ug/kg	P407360	
		Hexachlorobenzene	77	U	ug/kg	P407360	
		Hexachlorobutadiene	230	U	ug/kg	P407360	
		Hexachlorocyclopentadiene	77	U	ug/kg	P407360	MS, RPD
		Hexachloroethane	230	U	ug/kg	P407360	
		Indeno(1,2,3-cd)pyrene	8.5	U	ug/kg	P407360	
		Isophorone	77	U	ug/kg	P407360	
		Naphthalene	8.5	U	ug/kg	P407360	
		Nitrobenzene	77	U	ug/kg	P407360	
		N-Nitrosodimethylamine	460	U	ug/kg	P407360	
		N-Nitrosodi-n-propylamine	77	U	ug/kg	P407360	
		Phenanthrene	8.5	U	ug/kg	P407360	
		Pyrene	8.5	U	ug/kg	P407360	
		1,2,4-Trichlorobenzene	230	U	ug/kg	P407360	
		4-Chloro-3-methylphenol	77	U	ug/kg	P407360	
		2-Chlorophenol	230	U	ug/kg	P407360	

Field ID: DEPSB - 110 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292975	EPA 8270E	2,4-Dichlorophenol	77	U	ug/kg	P407360	
		2,4-Dimethylphenol	460	U	ug/kg	P407360	
		2,4-Dinitrophenol	460	U	ug/kg	P407360	
		2-Methyl-4,6-dinitrophenol	77	U	ug/kg	P407360	
		2-Nitrophenol	77	U	ug/kg	P407360	
		4-Nitrophenol	77	U	ug/kg	P407360	
		Pentachlorophenol	77	U	ug/kg	P407360	
		Phenol	77	U	ug/kg	P407360	
		2,4,6-Trichlorophenol	77	U	ug/kg	P407360	
		N-Nitrosodiphenylamine/ Diphenylamine	77	U	ug/kg	P407360	
	FL-PRO 2018	TRPH	45	U	mg/Kg	P407270	
2292997	EPA 8260D	Benzene	2.4	U	ug/kg	P407143	
		Bromodichloromethane	2.4	U	ug/kg	P407143	
		Bromoform	2.4	U	ug/kg	P407143	
		Bromomethane	2.4	U	ug/kg	P407143	
		2-Butanone	12	U	ug/kg	P407143	
		Carbon tetrachloride	2.4	U	ug/kg	P407143	
		Chlorobenzene	2.4	U	ug/kg	P407143	
		Chloroethane	2.4	U	ug/kg	P407143	
		Chloroform	2.4	U	ug/kg	P407143	
		Chloromethane	2.4	U	ug/kg	P407143	
		Dibromochloromethane	2.4	U	ug/kg	P407143	
		1,2-Dichlorobenzene	2.4	U	ug/kg	P407143	
		1,3-Dichlorobenzene	2.4	U	ug/kg	P407143	
		1,4-Dichlorobenzene	2.4	U	ug/kg	P407143	
		1,1-Dichloroethane	2.4	U	ug/kg	P407143	
		1,2-Dichloroethane	2.4	U	ug/kg	P407143	
		1,1-Dichloroethene	2.4	U	ug/kg	P407143	
		cis-1,2-Dichloroethene	2.4	U	ug/kg	P407143	
		trans-1,2-Dichloroethene	2.4	U	ug/kg	P407143	
		1,2-Dichloropropane	2.4	U	ug/kg	P407143	
		cis-1,3-Dichloropropene	2.4	U	ug/kg	P407143	
		trans-1,3-Dichloropropene	2.4	U	ug/kg	P407143	
		Ethylbenzene	2.4	U	ug/kg	P407143	
		Methylene chloride	12	U	ug/kg	P407143	
		1,1,2,2-Tetrachloroethane	2.4	U	ug/kg	P407143	
		Tetrachloroethene	2.4	U	ug/kg	P407143	
		Toluene	2.4	U	ug/kg	P407143	
		1,1,1-Trichloroethane	2.4	U	ug/kg	P407143	
		1,1,2-Trichloroethane	2.4	U	ug/kg	P407143	
		Trichloroethene	2.4	U	ug/kg	P407143	
		Trichlorofluoromethane	2.4	U	ug/kg	P407143	
		Vinyl chloride	2.4	U	ug/kg	P407143	
		Methyl-t-butyl ether	2.4	U	ug/kg	P407143	

Field ID: DEPSB - 110 - 0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292997	EPA 8260D	o-Xylene	2.4	U	ug/kg	P407143	
		m,p-Xylene	2.4	U	ug/kg	P407143	
2293004	SM 2540 G (20th)	% Solid	77.4		%	P407221	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 14:30**

Field ID: DEPSB - 110 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292980	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.19	I	ug/Kg	P407004	
		Perfluorobutanoic acid (PFBA)**	0.55	I	ug/Kg	P407004	
		Perfluorodecanoic acid (PFDA)**	0.54	U	ug/Kg	P407004	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P407004	
		Perfluoroheptanoic acid (PFHpA)**	0.44	I	ug/Kg	P407004	
		Perfluorohexanesulfonic acid (PFHxS)**	1.7		ug/Kg	P407004	
		Perfluorohexanoic acid (PFHxA)**	1.1		ug/Kg	P407004	
		Perfluorononanoic acid (PFNA)**	0.27	U	ug/Kg	P407004	
		Perfluorooctanesulfonic acid (PFOS)**	16		ug/Kg	P407004	
		Perfluorooctanoic acid (PFOA)**	0.52	I	ug/Kg	P407004	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P407004	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P407004	
		Perfluoroundecanoic acid (PFUnA)**	0.27	U	ug/Kg	P407004	
		Perfluoropentanoic acid (PFPeA)**	1.6		ug/Kg	P407004	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P407004	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.26	I	ug/Kg	P407004	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P407004	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P407004	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407004	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.52	I	ug/Kg	P407004	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	17		ug/Kg	P407004	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	U	ug/Kg	P407004	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P407004	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	11		ug/Kg	P407004	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.40	I	ug/Kg	P407004	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P407004	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407004	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.54	U	ug/Kg	P407004	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P407004	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P407004	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P407004	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P407004	

Field ID: DEPSB - 110 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292980	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P407004	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407004	
2293005	SM 2540 G (20th)	% Solid	81.3		%	P407408	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 14:30**

Field ID: DEPSB - 110 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292976	EPA 8270E	Acenaphthene	8.2	U	ug/kg	P407360	
		Acenaphthylene	8.2	U	ug/kg	P407360	
		Anthracene	8.2	U	ug/kg	P407360	
		Azobenzene/1,2-Diphenylhydrazine	73	U	ug/kg	P407360	
		Benzidine	1.6E+03	U	ug/kg	P407360	
		Benzo(a)anthracene	8.2	U	ug/kg	P407360	
		Benzo(a)pyrene	8.2	U	ug/kg	P407360	
		Benzo(b)fluoranthene	8.2	U	ug/kg	P407360	
		Benzo(k)fluoranthene	8.2	U	ug/kg	P407360	
		Benzo(g,h,i)perylene	8.2	U	ug/kg	P407360	
		Bis(2-chloroethoxy)methane	73	U	ug/kg	P407360	
		Bis(2-chloroethyl)ether	73	U	ug/kg	P407360	
		Bis(2-chloroisopropyl)ether	73	U	ug/kg	P407360	
		Bis(2-ethylhexyl)phthalate	440	UJ	ug/kg	P407360	LCS
		Butyl benzyl phthalate	73	U	ug/kg	P407360	
		4-Bromophenyl phenyl ether	73	U	ug/kg	P407360	
		2-Chloronaphthalene	73	U	ug/kg	P407360	
		4-Chlorophenyl phenyl ether	73	U	ug/kg	P407360	
		Chrysene	8.2	U	ug/kg	P407360	
		Di-n-butyl phthalate	440	U	ug/kg	P407360	
		Di-n-octyl phthalate	73	U	ug/kg	P407360	
		Dibenzo(a,h)anthracene	8.2	U	ug/kg	P407360	
		3,3'-Dichlorobenzidine	4.4E+03	U	ug/kg	P407360	
		Diethyl phthalate	73	U	ug/kg	P407360	
		Dimethyl phthalate	73	U	ug/kg	P407360	
		2,4-Dinitrotoluene	73	U	ug/kg	P407360	
		2,6-Dinitrotoluene	73	U	ug/kg	P407360	
		Fluoranthene	8.2	U	ug/kg	P407360	
		Fluorene	8.2	U	ug/kg	P407360	
		Hexachlorobenzene	73	U	ug/kg	P407360	
		Hexachlorobutadiene	220	U	ug/kg	P407360	
		Hexachlorocyclopentadiene	73	U	ug/kg	P407360	MS, RPD
		Hexachloroethane	220	U	ug/kg	P407360	
		Indeno(1,2,3-cd)pyrene	8.2	U	ug/kg	P407360	
		Isophorone	73	U	ug/kg	P407360	
		Naphthalene	8.2	U	ug/kg	P407360	
		Nitrobenzene	73	U	ug/kg	P407360	
		N-Nitrosodimethylamine	440	U	ug/kg	P407360	
		N-Nitrosodi-n-propylamine	73	U	ug/kg	P407360	
		Phenanthrene	8.2	U	ug/kg	P407360	
		Pyrene	8.2	U	ug/kg	P407360	
		1,2,4-Trichlorobenzene	220	U	ug/kg	P407360	
		4-Chloro-3-methylphenol	73	U	ug/kg	P407360	
		2-Chlorophenol	220	U	ug/kg	P407360	

Field ID: DEPSB - 110 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292976	EPA 8270E	2,4-Dichlorophenol	73	U	ug/kg	P407360	
		2,4-Dimethylphenol	440	U	ug/kg	P407360	
		2,4-Dinitrophenol	440	U	ug/kg	P407360	
		2-Methyl-4,6-dinitrophenol	73	U	ug/kg	P407360	
		2-Nitrophenol	73	U	ug/kg	P407360	
		4-Nitrophenol	73	U	ug/kg	P407360	
		Pentachlorophenol	73	U	ug/kg	P407360	
		Phenol	73	U	ug/kg	P407360	
		2,4,6-Trichlorophenol	73	U	ug/kg	P407360	
		N-Nitrosodiphenylamine/ Diphenylamine	73	U	ug/kg	P407360	
	FL-PRO 2018	TRPH	43	U	mg/Kg	P407270	
2292998	EPA 8260D	Benzene	2.4	U	ug/kg	P407143	
		Bromodichloromethane	2.4	U	ug/kg	P407143	
		Bromoform	2.4	U	ug/kg	P407143	
		Bromomethane	2.4	U	ug/kg	P407143	
		2-Butanone	12	U	ug/kg	P407143	
		Carbon tetrachloride	2.4	U	ug/kg	P407143	
		Chlorobenzene	2.4	U	ug/kg	P407143	
		Chloroethane	2.4	U	ug/kg	P407143	
		Chloroform	2.4	U	ug/kg	P407143	
		Chloromethane	2.4	U	ug/kg	P407143	
		Dibromochloromethane	2.4	U	ug/kg	P407143	
		1,2-Dichlorobenzene	2.4	U	ug/kg	P407143	
		1,3-Dichlorobenzene	2.4	U	ug/kg	P407143	
		1,4-Dichlorobenzene	2.4	U	ug/kg	P407143	
		1,1-Dichloroethane	2.4	U	ug/kg	P407143	
		1,2-Dichloroethane	2.4	U	ug/kg	P407143	
		1,1-Dichloroethene	2.4	U	ug/kg	P407143	
		cis-1,2-Dichloroethene	2.4	U	ug/kg	P407143	
		trans-1,2-Dichloroethene	2.4	U	ug/kg	P407143	
		1,2-Dichloropropane	2.4	U	ug/kg	P407143	
		cis-1,3-Dichloropropene	2.4	U	ug/kg	P407143	
		trans-1,3-Dichloropropene	2.4	U	ug/kg	P407143	
		Ethylbenzene	2.4	U	ug/kg	P407143	
		Methylene chloride	12	U	ug/kg	P407143	
		1,1,2,2-Tetrachloroethane	2.4	U	ug/kg	P407143	
		Tetrachloroethene	2.4	U	ug/kg	P407143	
		Toluene	2.4	U	ug/kg	P407143	
		1,1,1-Trichloroethane	2.4	U	ug/kg	P407143	
		1,1,2-Trichloroethane	2.4	U	ug/kg	P407143	
		Trichloroethene	2.4	U	ug/kg	P407143	
		Trichlorofluoromethane	2.4	U	ug/kg	P407143	
		Vinyl chloride	2.4	U	ug/kg	P407143	
		Methyl-t-butyl ether	2.4	U	ug/kg	P407143	

Field ID: DEPSB - 110 - 2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292998	EPA 8260D	o-Xylene	2.4	U	ug/kg	P407143	
		m,p-Xylene	2.4	U	ug/kg	P407143	
2293006	SM 2540 G (20th)	% Solid	81.1		%	P407221	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 09:45**

Field ID: SED - 3 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292981	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	0.56	U	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	0.56	U	ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	0.28	U	ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	0.28	U	ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	0.29	I	ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	0.67	I	ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	0.28	U	ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	0.28	U	ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	0.28	U	ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	0.28	U	ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	0.33	I	ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	0.93	I	ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.16	U	ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.16	U	ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	U	ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.3	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.28	U	ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.56	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	UJ	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P407462	

Field ID: SED - 3 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292981	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407462	
2293007	SM 2540 G (20th)	% Solid	73.1	A	%	P407470	

Ref. Method and Comment:
DEP SOP: LC-001-3: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 10:25**

Field ID: SED - 4 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292982	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.33	I	ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	0.65	U	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	0.65	U	ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	0.32	U	ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	0.32	U	ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	2.0		ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	0.32	U	ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	0.32	U	ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	3.2		ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	0.32	U	ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	0.32	U	ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	0.32	U	ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	0.32	U	ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	0.32	U	ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	0.35	I	ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.16	U	ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	0.16	U	ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	0.16	U	ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.16	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.16	U	ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.16	U	ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.16	U	ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.32	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.32	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.32	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.6	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.32	U	ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.16	U	ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.16	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.65	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.32	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.32	U	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.32	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.32	U	ug/Kg	P407462	

Field ID: SED - 4 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292982	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.32	U	ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.3	U	ug/Kg	P407462	
2293008	SM 2540 G (20th)	% Solid	71.8		%	P407470	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 10:55**

Field ID: SED - 1 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292983	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.15	U	ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	0.61	U	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	1.5	I	ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	2.5		ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	0.30	U	ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	0.15	U	ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	0.30	U	ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	0.30	U	ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	3.9		ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	0.30	U	ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	3.0		ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	1.8		ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	1.1	I	ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	0.47	I	ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	0.15	U	ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.15	U	ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	0.15	U	ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	0.15	U	ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.15	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.19	U	ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.69	I	ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	I	ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.30	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.30	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.30	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.9	I	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	3.4		ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.15	U	ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.15	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.61	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.30	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.30	U	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.30	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.30	U	ug/Kg	P407462	

Field ID: SED - 1 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292983	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.30	U	ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.2	U	ug/Kg	P407462	
2293009	SM 2540 G (20th)	% Solid	64.9		%	P407470	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 11:10**

Field ID: SED - 12 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292984	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.15	U	ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	0.59	U	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	0.59	U	ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	0.30	U	ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	0.30	U	ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	0.21	I	ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	0.30	U	ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	0.30	U	ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	0.39	I	ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	0.30	U	ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	0.30	U	ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	0.30	U	ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	0.30	U	ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	0.72	I	ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	0.15	U	ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.15	U	ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	0.15	U	ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	0.15	U	ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.15	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.15	U	ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.15	U	ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.15	U	ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.30	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.30	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.30	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.4	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.30	U	ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.15	U	ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.15	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.59	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.30	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.30	U	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.30	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.30	U	ug/Kg	P407462	

Field ID: SED - 12 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292984	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.30	U	ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.2	U	ug/Kg	P407462	
2293010	SM 2540 G (20th)	% Solid	76.8		%	P407470	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 11:25**

Field ID: SED - 14 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292985	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	4.6		ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	2.3	I	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	0.84	U	ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	0.42	U	ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	1.1	I	ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	7.1		ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	2.4		ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	0.46	I	ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	16		ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	1.6	I	ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	0.42	U	ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	0.42	U	ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	0.42	U	ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	4.2		ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	3.3		ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.23	I	ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	0.21	U	ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	0.21	U	ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.21	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.22	I	ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.21	U	ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.21	U	ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.42	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.42	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.42	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	3.4	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.42	U	ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.21	U	ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.21	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.84	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.42	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.42	U	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.42	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.42	U	ug/Kg	P407462	

Field ID: SED - 14 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292985	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	1.2	I	ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.7	U	ug/Kg	P407462	
2293011	SM 2540 G (20th)	% Solid	58.8		%	P407470	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 11:45**

Field ID: SED - 5 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292986	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	1.2	I	ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	1.5	I	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	6.3		ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	6.8		ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	3.5		ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	19		ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	7.5		ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	3.4		ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	870		ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	6.1		ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	4.9		ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	0.66	U	ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	14		ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	6.4		ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	1.8		ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	3.2		ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	3.2		ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	7.6		ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.33	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	3.6		ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	130		ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	31		ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.66	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.66	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.66	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	43		ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	41		ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.49	I	ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.33	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	1.3	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.66	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.66	U	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.66	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.66	U	ug/Kg	P407462	

Field ID: SED - 5

Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292986	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.66	U	ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	2.6	U	ug/Kg	P407462	
2293012	SM 2540 G (20th)	% Solid	40.9		%	P407470	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 11:55**

Field ID: SED - 2 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292987	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.18	U	ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	0.71	U	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	0.71	U	ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	0.73	I	ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	0.36	U	ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	1.7		ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	0.36	U	ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	0.36	U	ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	11		ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	0.36	U	ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	0.36	U	ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	0.36	U	ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	0.36	U	ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	0.36	U	ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	0.18	U	ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.18	U	ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	0.18	U	ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	0.18	U	ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.18	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.18	U	ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.28	I	ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.18	U	ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.36	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.36	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.36	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.8	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.36	U	ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.18	U	ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.18	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.71	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.36	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.36	U	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.36	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.36	U	ug/Kg	P407462	

Field ID: SED - 2 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292987	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.36	U	ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.4	U	ug/Kg	P407462	
2293013	SM 2540 G (20th)	% Solid	67.3		%	P407470	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 12:10**

Field ID: SED - 6 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292988	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.23	U	ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	0.93	U	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	0.93	U	ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	2.2		ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	0.47	U	ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	1.6		ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	0.53	I	ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	0.47	U	ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	42		ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	0.47	U	ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	0.60	I	ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	2.4		ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	1.9		ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	0.59	I	ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	0.23	U	ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.23	U	ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	0.23	U	ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	0.79	I	ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.23	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.23	U	ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	4.8		ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.1		ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.47	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.47	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.47	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	3.7	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.1	I	ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.23	U	ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.23	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.93	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.47	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.47	U	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.47	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.47	U	ug/Kg	P407462	

Field ID: SED - 6

Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292988	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.47	U	ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.9	U	ug/Kg	P407462	
2293014	SM 2540 G (20th)	% Solid	54.8		%	P407470	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 14:00**

Field ID: SED - 7 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292989	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.17	U	ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	0.70	U	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	0.70	U	ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	0.35	U	ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	0.35	U	ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	0.17	U	ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	0.35	U	ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	0.35	U	ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	0.41	I	ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	0.35	U	ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	0.35	U	ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	0.35	U	ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	0.35	U	ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	0.35	U	ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	0.17	U	ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.17	U	ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	0.17	U	ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	0.17	U	ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.17	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.17	U	ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.17	U	ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.17	U	ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.35	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.35	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.35	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.8	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.35	U	ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.17	U	ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.17	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.70	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.35	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.35	U	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.35	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.35	U	ug/Kg	P407462	

Field ID: SED - 7

Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292989	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.35	U	ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.4	U	ug/Kg	P407462	
2293015	SM 2540 G (20th)	% Solid	68.3		%	P407470	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 14:40**

Field ID: SED - 8 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292990	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.18	U	ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	0.72	U	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	0.72	U	ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	0.36	U	ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	0.36	U	ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	0.18	U	ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	0.36	U	ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	0.36	U	ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	1.0	I	ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	0.36	U	ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	0.36	U	ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	0.36	U	ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	0.36	U	ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	0.36	U	ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	0.18	U	ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.18	U	ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	0.18	U	ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	0.18	U	ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.18	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.18	U	ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.18	U	ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.18	U	ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.36	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.36	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.36	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.9	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.36	U	ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.18	U	ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.18	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.72	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.36	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.36	U	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.36	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.36	U	ug/Kg	P407462	

Field ID: SED - 8

Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292990	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.36	U	ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.4	U	ug/Kg	P407462	
2293016	SM 2540 G (20th)	% Solid	66.4	A	%	P407731	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 15:05**

Field ID: SED - 9 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292991	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.31	I	ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	0.90	U	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	2.6	I	ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	6.7		ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	1.1	I	ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	7.9		ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	2.2		ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	1.9		ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	280		ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	1.7	I	ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	3.4		ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	6.6		ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	9.6		ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	1.8		ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	0.54	I	ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.3		ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	1.7		ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	4.0		ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.23	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.3		ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	89		ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	14		ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.45	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.45	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.45	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	9.7	I	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	22		ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	I	ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.23	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.90	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.45	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.45	U	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.45	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.45	U	ug/Kg	P407462	

Field ID: SED - 9 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292991	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.45	U	ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.8	U	ug/Kg	P407462	
2293017	SM 2540 G (20th)	% Solid	56.0		%	P407470	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 15:30**

Field ID: SED - 10 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292992	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	1.1		ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	1.6	I	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	3.4		ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	2.0		ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	1.4	I	ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	15		ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	5.7		ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	1.0	I	ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	630		ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	4.1		ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	1.4	I	ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	2.7		ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	22		ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	4.6		ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	1.5		ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	3.0		ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	5.5		ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	8.0		ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.20	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.82		ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	60		ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	54		ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.41	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.41	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.41	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	54	I	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	180		ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	1.1		ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.20	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.81	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.41	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.41	U	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.41	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.41	U	ug/Kg	P407462	

Field ID: SED - 10 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292992	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.96	I	ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.6	U	ug/Kg	P407462	
2293018	SM 2540 G (20th)	% Solid	61.2	A	%	P407499	

Ref. Method and Comment:
DEP SOP: LC-001-3: The MDL for 6:2 FTS is elevated due to required dilution of sample matrix.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 16:08**

Field ID: SED - 11 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292993	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	26		ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	6.1	I	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	3.2	U	ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	1.6	U	ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	19		ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	220		ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	46		ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	4.6	I	ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	570		ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	15		ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	1.6	U	ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	1.6	U	ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	2.4	I	ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	26		ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	39		ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	12		ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	0.79	U	ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	0.79	U	ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.79	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	7.2		ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	7.2		ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.79	U	ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	1.6	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	1.6	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	1.6	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	13	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.6	U	ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.79	U	ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.79	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	3.2	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	1.6	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	1.6	U	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	1.6	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	1.6	U	ug/Kg	P407462	

Field ID: SED - 11 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292993	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	8.1		ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	6.3	U	ug/Kg	P407462	
2293019	SM 2540 G (20th)	% Solid	18.6		%	P407499	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 10:45**

Field ID: SED - 13 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292994	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P407462	
		Perfluorobutanoic acid (PFBA)**	0.55	U	ug/Kg	P407462	
		Perfluorodecanoic acid (PFDA)**	1.7	I	ug/Kg	P407462	
		Perfluorododecanoic acid (PFDoA)**	0.48	I	ug/Kg	P407462	
		Perfluoroheptanoic acid (PFHpA)**	0.48	I	ug/Kg	P407462	
		Perfluorohexanesulfonic acid (PFHxS)**	0.35	I	ug/Kg	P407462	
		Perfluorohexanoic acid (PFHxA)**	0.54	I	ug/Kg	P407462	
		Perfluorononanoic acid (PFNA)**	0.27	U	ug/Kg	P407462	
		Perfluorooctanesulfonic acid (PFOS)**	3.1		ug/Kg	P407462	
		Perfluorooctanoic acid (PFOA)**	0.35	I	ug/Kg	P407462	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P407462	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P407462	
		Perfluoroundecanoic acid (PFUnA)**	1.1	I	ug/Kg	P407462	
		Perfluoropentanoic acid (PFPeA)**	0.84	I	ug/Kg	P407462	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P407462	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P407462	
		Perfluorononanesulfonic acid (PFNS)**	0.14	I	ug/Kg	P407462	
		Perfluorodecanesulfonic acid (PFDS)**	0.17	I	ug/Kg	P407462	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P407462	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P407462	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.3		ug/Kg	P407462	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.82		ug/Kg	P407462	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P407462	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P407462	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.4		ug/Kg	P407462	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P407462	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P407462	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.55	U	ug/Kg	P407462	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P407462	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P407462	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P407462	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P407462	

Field ID: SED - 13 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2292994	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P407462	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P407462	
2293020	SM 2540 G (20th)	% Solid	79.8		%	P407499	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 09:35**

Field ID: SW - 3 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293055	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	48		ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	35		ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	45		ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	210		ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	100		ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	12		ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	33		ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	340		ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	140		ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	41		ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	6.9		ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	18		ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	7.6		ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	55	I	ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: SW - 3 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293055	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	14	I	ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 10:05**

Field ID: SW - 4 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293056	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	85		ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	48		ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	51		ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	270		ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	150		ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	10		ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	35		ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	330		ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	200		ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	69		ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	6.1		ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	14	I	ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	6.2	I	ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	61	I	ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: SW - 4 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293056	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	39		ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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. MDL for some parameters elevated due to matrix interference.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 11:40**

Field ID: SW - 5 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293057	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	250		ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	310		ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	40		ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	500		ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	1.8E+03		ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	980		ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	150		ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	310		ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	7.2E+03		ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	1.4E+03		ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	16		ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	160		ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	97		ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	6.1		ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	270		ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.1E+03		ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	17		ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	4.6	I	ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	3.0E+03	I	ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	670		ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: SW - 5 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293057	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	110		ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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. MDL for 6:2 FTS is elevated due to required dilution of sample matrix.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 12:05**

Field ID: SW - 6 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293058	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	48		ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	89		ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	9.0	I	ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	100		ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	410		ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	280		ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	25		ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	96		ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	1.2E+03		ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	260		ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	5.2	I	ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	56		ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	16		ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	1.0	I	ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	86		ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	350		ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.9		ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	230	I	ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	23		ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: SW - 6 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293058	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	15	I	ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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. MDL for 6:2 FTS is elevated due to required dilution of sample matrix.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 13:50**

Field ID: SW - 7 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293059	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	3.2		ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	18		ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	22		ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	18		ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	30		ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	4.4	I	ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	12		ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	42		ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	48		ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	3.0		ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.5	I	ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.5		ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: SW - 7 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293059	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 14:35**

Field ID: SW - 8 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293060	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	3.0		ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	17		ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	22		ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	18		ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	31		ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	3.7	I	ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	11		ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	42		ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	48		ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	2.9		ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.4	I	ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.5		ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: SW - 8 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293060	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 15:00**

Field ID: SW - 9 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293061	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	170		ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	450		ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	39		ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.4	I	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	690		ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	2.0E+03		ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	1.4E+03		ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	140		ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	530		ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	6.7E+03		ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	1.9E+03		ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	17		ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	210		ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	150		ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	5.1		ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	0.66	I	ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	820		ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	4.3E+03		ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	43		ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	5.4	I	ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	3.4E+03		ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	400		ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: SW - 9 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293061	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	52		ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 15:25**

Field ID: SW - 10 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293062	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	320		ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	870		ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	120		ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	980		ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	3.0E+03		ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	2.2E+03		ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	240		ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	820		ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	1.4E+04		ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	3.7E+03		ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	92		ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	280		ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	320	I	ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	27		ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	3.7		ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	580		ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	6.0E+03		ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	120		ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	17		ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.5E+04		ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	3.5E+03		ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	3.3		ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: SW - 10 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293062	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	140		ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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. MDL for PFHpS is elevated due to required dilution of sample matrix.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 16:05**

Field ID: SW - 11 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293063	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	2.2E+03		ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	550		ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	420		ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	6.4E+03		ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	2.0E+03		ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	17		ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	130		ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	1.6E+03		ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	1.5E+03		ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	1.2E+03		ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	180		ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	130		ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	12		ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	11		ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	110		ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: SW - 11 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293063	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	1.0E+03		ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 15:25**

Field ID: Dup - SW - 10 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293064	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	310		ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	850		ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	130		ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	990		ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	2.8E+03		ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	2.0E+03		ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	210		ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	840		ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	1.3E+04		ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	4.0E+03		ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	91		ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	300		ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	300	I	ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	28		ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	3.6		ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	570		ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	6.2E+03		ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	120		ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	18		ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.3E+04		ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	3.4E+03		ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	3.7		ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: Dup - SW - 10 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293064	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	170		ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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. MDL for PFHpS is elevated due to required dilution of sample matrix.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 10:05**

Field ID: Dup - SW - 4 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293065	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	91		ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	49		ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	61		ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	300		ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	150		ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	12		ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	35		ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	380		ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	200		ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	75		ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	7.2		ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	12	I	ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	6.1	I	ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	57	I	ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: Dup - SW - 4 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293065	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	36		ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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. MDL for some parameters elevated due to matrix interference.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 11:45**

Field ID: FRB - SB - 85 Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293053	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: FRB - SB - 85 Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293053	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 12:20**

Field ID: EQB - HA - 9 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293047	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407140	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407140	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407140	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407140	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407140	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407140	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407140	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407140	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407140	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407140	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407140	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407140	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407140	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407140	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407140	RPD
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407140	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407140	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407140	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407140	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407140	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407140	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407140	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407140	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407140	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407140	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407140	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407140	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407140	

Field ID: EQB - HA - 9

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293047	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407140	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407140	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 15:00**

Field ID: EQB - HA - 10 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293048	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407140	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407140	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407140	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407140	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407140	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407140	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407140	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407140	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407140	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407140	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407140	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407140	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407140	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407140	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407140	RPD
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407140	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407140	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407140	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407140	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407140	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407140	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407140	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407140	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407140	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407140	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407140	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407140	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407140	

Field ID: EQB - HA - 10

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293048	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407140	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407140	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 09:05**

Field ID: EQB - HA - 11 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293049	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407140	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407140	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407140	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407140	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407140	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407140	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407140	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407140	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407140	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407140	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407140	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407140	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407140	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407140	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407140	RPD
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407140	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407140	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407140	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407140	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407140	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407140	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407140	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407140	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407140	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407140	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407140	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407140	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407140	

Field ID: EQB - HA - 11

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293049	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407140	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407140	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 11:10**

Field ID: EQB - HA - 12 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293050	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407140	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407140	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407140	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407140	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407140	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407140	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407140	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407140	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407140	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407140	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407140	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407140	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407140	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407140	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407140	RPD
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407140	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407140	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407140	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P407140	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407140	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407140	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407140	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407140	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407140	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407140	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407140	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407140	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407140	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407140	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407140	

Field ID: EQB - HA - 12

Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293050	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407140	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407140	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 15:00**

Field ID: EQB - HA - 13 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293051	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: EQB - HA - 13 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293051	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 12/01/2021 15:00**

Field ID: EQB - HA - 13 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293045	FL-PRO 2018	TRPH	0.46	UY	mg/L	P407161	
2293046	EPA 8270E	Acenaphthene	0.026	U	ug/L	P407027	
		Acenaphthylene	0.026	U	ug/L	P407027	
		Anthracene	0.051	U	ug/L	P407027	
		Azobenzene/1,2-Diphenylhydrazine**	0.051	U	ug/L	P407027	
		Benzidine	10	U	ug/L	P407027	
		Benzo(a)anthracene	0.026	U	ug/L	P407027	
		Benzo(a)pyrene	0.026	U	ug/L	P407027	
		Benzo(b)fluoranthene	0.026	U	ug/L	P407027	
		Benzo(k)fluoranthene	0.026	U	ug/L	P407027	
		Benzo(g,h,i)perylene	0.026	U	ug/L	P407027	
		Bis(2-chloroethoxy)methane	0.051	U	ug/L	P407027	
		Bis(2-chloroethyl)ether	0.051	U	ug/L	P407027	
		Bis(2-chloroisopropyl)ether	0.051	U	ug/L	P407027	
		Bis(2-ethylhexyl)phthalate	5.1	U	ug/L	P407027	
		Butyl benzyl phthalate	1.0	U	ug/L	P407027	
		4-Bromophenyl phenyl ether	0.051	U	ug/L	P407027	
		2-Chloronaphthalene	0.051	U	ug/L	P407027	
		4-Chlorophenyl phenyl ether	0.051	U	ug/L	P407027	
		Chrysene	0.026	U	ug/L	P407027	
		m,p-Cresols	0.051	U	ug/L	P407027	
		o-Cresol	0.051	U	ug/L	P407027	
		Di-n-butyl phthalate	2.0	U	ug/L	P407027	
		Di-n-octyl phthalate	0.051	U	ug/L	P407027	
		Dibenzo(a,h)anthracene	0.026	U	ug/L	P407027	
		3,3'-Dichlorobenzidine	10	U	ug/L	P407027	
		Diethyl phthalate	2.0	U	ug/L	P407027	
		Dimethyl phthalate	0.20	U	ug/L	P407027	
		2,4-Dinitrotoluene	0.051	U	ug/L	P407027	
		2,6-Dinitrotoluene	0.051	U	ug/L	P407027	MS
		Fluoranthene	0.051	U	ug/L	P407027	
		Fluorene	0.026	U	ug/L	P407027	
		Hexachloroethane	0.051	U	ug/L	P407027	
		Indeno(1,2,3-cd)pyrene	0.026	U	ug/L	P407027	
		Isophorone	0.051	U	ug/L	P407027	
		Naphthalene	0.10	U	ug/L	P407027	
		Nitrobenzene	0.051	U	ug/L	P407027	
		N-Nitrosodimethylamine	2.0	U	ug/L	P407027	
		N-Nitrosodi-n-propylamine	0.051	U	ug/L	P407027	
		Phenanthrene	0.10	U	ug/L	P407027	
		Pyrene	0.10	U	ug/L	P407027	
		1,2,4-Trichlorobenzene	0.051	U	ug/L	P407027	
		4-Chloro-3-methylphenol	0.051	U	ug/L	P407027	
		2-Chlorophenol	0.051	U	ug/L	P407027	

Field ID: EQB - HA - 13 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293046	EPA 8270E	2,4-Dichlorophenol	0.051	U	ug/L	P407027	
		2,4-Dimethylphenol	0.051	U	ug/L	P407027	
		2,4-Dinitrophenol	10	U	ug/L	P407027	
		2-Methyl-4,6-dinitrophenol	3.1	U	ug/L	P407027	
		2-Nitrophenol	0.051	U	ug/L	P407027	
		4-Nitrophenol	10	U	ug/L	P407027	
		Pentachlorophenol	0.51	U	ug/L	P407027	
		Phenol	0.051	U	ug/L	P407027	
		2,4,6-Trichlorophenol	0.051	U	ug/L	P407027	
		N-Nitrosodiphenylamine/ Diphenylamine	0.10	U	ug/L	P407027	
2293069	EPA 8260D	Benzene	0.20	U	ug/L	P407271	
		Bromodichloromethane	0.20	U	ug/L	P407271	
		Bromoform	0.50	U	ug/L	P407271	
		Bromomethane	0.50	U	ug/L	P407271	
		2-Butanone	3.0	U	ug/L	P407271	
		Carbon tetrachloride	0.20	U	ug/L	P407271	
		Chlorobenzene	0.20	U	ug/L	P407271	
		Chloroethane	0.50	U	ug/L	P407271	
		Chloroform	0.20	U	ug/L	P407271	
		Chloromethane	0.50	U	ug/L	P407271	
		Dibromochloromethane	0.20	U	ug/L	P407271	
		1,2-Dichlorobenzene	0.50	U	ug/L	P407271	
		1,3-Dichlorobenzene	0.50	U	ug/L	P407271	
		1,4-Dichlorobenzene	0.50	U	ug/L	P407271	
		1,1-Dichloroethane	0.20	U	ug/L	P407271	
		1,2-Dichloroethane	0.20	U	ug/L	P407271	
		1,1-Dichloroethene	0.20	UJ	ug/L	P407271	CCV
		cis-1,2-Dichloroethene	0.20	U	ug/L	P407271	
		trans-1,2-Dichloroethene	0.20	U	ug/L	P407271	
		1,2-Dichloropropane	0.20	U	ug/L	P407271	
		cis-1,3-Dichloropropene	0.50	U	ug/L	P407271	
		trans-1,3-Dichloropropene	0.50	U	ug/L	P407271	
		Ethylbenzene	0.20	U	ug/L	P407271	
		Methyl-t-butyl ether	0.20	U	ug/L	P407271	
		Methylene chloride	1.0	U	ug/L	P407271	
		1,1,2,2-Tetrachloroethane	0.20	U	ug/L	P407271	
		Tetrachloroethene	0.20	U	ug/L	P407271	
		Toluene	0.50	U	ug/L	P407271	
		1,1,1-Trichloroethane	0.20	U	ug/L	P407271	
		1,1,2-Trichloroethane	0.20	U	ug/L	P407271	
		Trichloroethene	0.20	U	ug/L	P407271	
		Trichlorofluoromethane	0.20	U	ug/L	P407271	
		Vinyl chloride	0.20	U	ug/L	P407271	
		o-Xylene	0.50	U	ug/L	P407271	

Field ID: EQB - HA - 13 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293069	EPA 8260D	m,p-Xylene	0.50	U	ug/L	P407271	

Ref. Method and Comment:
FL-PRO 2018: Insufficient sample available to perform duplicate matrix spikes. Y - Due to improper preservation; see NCR report.
EPA 8260D: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/29/2021 10:55**

Field ID: Trip Blank Matrix: W-TRIP-BLK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293070	EPA 8260D	Benzene	0.20	U	ug/L	P407271	
		Bromodichloromethane	0.20	U	ug/L	P407271	
		Bromoform	0.50	U	ug/L	P407271	
		Bromomethane	0.50	U	ug/L	P407271	
		2-Butanone	3.0	U	ug/L	P407271	
		Carbon tetrachloride	0.20	U	ug/L	P407271	
		Chlorobenzene	0.20	U	ug/L	P407271	
		Chloroethane	0.50	U	ug/L	P407271	
		Chloroform	0.20	U	ug/L	P407271	
		Chloromethane	0.50	U	ug/L	P407271	
		Dibromochloromethane	0.20	U	ug/L	P407271	
		1,2-Dichlorobenzene	0.50	U	ug/L	P407271	
		1,3-Dichlorobenzene	0.50	U	ug/L	P407271	
		1,4-Dichlorobenzene	0.50	U	ug/L	P407271	
		1,1-Dichloroethane	0.20	U	ug/L	P407271	
		1,2-Dichloroethane	0.20	U	ug/L	P407271	
		1,1-Dichloroethene	0.20	UJ	ug/L	P407271	CCV
		cis-1,2-Dichloroethene	0.20	U	ug/L	P407271	
		trans-1,2-Dichloroethene	0.20	U	ug/L	P407271	
		1,2-Dichloropropane	0.20	U	ug/L	P407271	
		cis-1,3-Dichloropropene	0.50	U	ug/L	P407271	
		trans-1,3-Dichloropropene	0.50	U	ug/L	P407271	
		Ethylbenzene	0.20	U	ug/L	P407271	
		Methyl-t-butyl ether	0.20	U	ug/L	P407271	
		Methylene chloride	1.0	U	ug/L	P407271	
		1,1,2,2-Tetrachloroethane	0.20	U	ug/L	P407271	
		Tetrachloroethene	0.20	U	ug/L	P407271	
		Toluene	0.50	U	ug/L	P407271	
		1,1,1-Trichloroethane	0.20	U	ug/L	P407271	
		1,1,2-Trichloroethane	0.20	U	ug/L	P407271	
		Trichloroethene	0.20	U	ug/L	P407271	
		Trichlorofluoromethane	0.20	U	ug/L	P407271	
		Vinyl chloride	0.20	U	ug/L	P407271	
		o-Xylene	0.50	U	ug/L	P407271	
		m,p-Xylene	0.50	U	ug/L	P407271	

Ref. Method and Comment:
EPA 8260D: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 14:10**

Field ID: EQB - PP - 1 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293052	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: EQB - PP - 1 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293052	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 11/30/2021 14:30**

Field ID: FRB - SW - 8 Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293054	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407141	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407141	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407141	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407141	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407141	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407141	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407141	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407141	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407141	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407141	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407141	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407141	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407141	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407141	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407141	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407141	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407141	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407141	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.40	U	ng/L	P407141	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407141	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407141	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407141	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407141	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407141	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407141	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407141	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407141	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407141	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407141	

Field ID: FRB - SW - 8 Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2293054	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407141	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407141	

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.

Non-Conformance Report

NCR ID: 9145

Event(s)	Job(s)	Sample(s)	Test(s)
SIS-2021-12-03-01	TLH-2021-12-03-49	2293045	

NCR Type: SHIPPING/RECEIVING **NCR Category: Preservation Not Intact**

Observation: Samples not preserved to pH < 2.

Resolution: Sample preserved in the laboratory with sulfuric acid on 12/3/2021 at 13:05
H2SO4 Lot# SA1105060 | Expiration Date: 04/30/2022
Data will be qualified as appropriate.

Authorized by/Date: Joshua Ayres 12/7/2021

NCR ID: 9147

Event(s)	Job(s)	Sample(s)	Test(s)
SIS-2021-12-03-01	TLH-2021-12-03-36	2292997	

NCR Type: SHIPPING/RECEIVING **NCR Category: Sample Integrity**

Observation: The 5035 encore replicate wasn't received for this sample.

Resolution: Additional container logged in.

Authorized by/Date: Joshua Ayres 12/10/2021

The Non-Conformance Report details exceptions or problems encountered with the events/jobs/samples/test.
Please address questions to:

Chemistry	Colin Wright	(850) 245-8085
Biology	Cheryl Swanson	(850) 245-8177

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P407000

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
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

Reference Method: DEP SOP: LC-001-3
Batch ID: P407001

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

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P407001

Component	Result	Code	Units
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
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

Reference Method: DEP SOP: LC-001-3
Batch ID: P407002

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: P407002

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

Reference Method: DEP SOP: LC-001-3
Batch ID: P407004

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
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

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P407004

Component	Result	Code	Units
Perfluorotetradecanoic acid (PFTeA)	0.20	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	0.20	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	0.20	U	ug/Kg

Reference Method: DEP SOP: LC-001-3
Batch ID: P407140

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)	0.40	U	ng/L
Perfluoro-1-hexane sulfonamide (FHxSA)	0.40	U	ng/L
Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.0	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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: P407141

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: P407141

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 (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)	0.40	U	ng/L
Perfluoro-1-hexane sulfonamide (FHxSA)	0.40	U	ng/L
Perfluoro-1-octane sulfonamide (FOSA)	0.40	U	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.0	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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: P407462

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

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P407462

Component	Result	Code	Units
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
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

Reference Method: EPA 8260D
Batch ID: P407143

Component	Result	Code	Units
1,1-Dichloroethane	2.0	U	ug/kg
1,1-Dichloroethene	2.0	U	ug/kg
1,1,1-Trichloroethane	2.0	U	ug/kg
1,1,2-Trichloroethane	2.0	U	ug/kg
1,1,2,2-Tetrachloroethane	2.0	U	ug/kg
1,2-Dichlorobenzene	2.0	U	ug/kg
1,2-Dichloroethane	2.0	U	ug/kg
1,2-Dichloropropane	2.0	U	ug/kg
1,3-Dichlorobenzene	2.0	U	ug/kg
1,4-Dichlorobenzene	2.0	U	ug/kg
2-Butanone	10	U	ug/kg
Benzene	2.0	U	ug/kg
Bromodichloromethane	2.0	U	ug/kg
Bromoform	2.0	U	ug/kg
Bromomethane	2.0	U	ug/kg
Carbon tetrachloride	2.0	U	ug/kg
Chlorobenzene	2.0	U	ug/kg
Chloroethane	2.0	U	ug/kg
Chloroform	2.0	U	ug/kg
Chloromethane	2.0	U	ug/kg
cis-1,2-Dichloroethene	2.0	U	ug/kg
cis-1,3-Dichloropropene	2.0	U	ug/kg
Dibromochloromethane	2.0	U	ug/kg
Ethylbenzene	2.0	U	ug/kg
m,p-Xylene	2.0	U	ug/kg

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8260D
Batch ID: P407143

Component	Result	Code	Units
Methyl-t-butyl ether	2.0	U	ug/kg
Methylene chloride	10	U	ug/kg
o-Xylene	2.0	U	ug/kg
Tetrachloroethene	2.0	U	ug/kg
Toluene	2.0	U	ug/kg
trans-1,2-Dichloroethene	2.0	U	ug/kg
trans-1,3-Dichloropropene	2.0	U	ug/kg
Trichloroethene	2.0	U	ug/kg
Trichlorofluoromethane	2.0	U	ug/kg
Vinyl chloride	2.0	U	ug/kg

Reference Method: EPA 8260D
Batch ID: P407271

Component	Result	Code	Units
1,1-Dichloroethane	0.20	U	ug/L
1,1-Dichloroethene	0.20	U	ug/L
1,1,1-Trichloroethane	0.20	U	ug/L
1,1,2-Trichloroethane	0.20	U	ug/L
1,1,2,2-Tetrachloroethane	0.20	U	ug/L
1,2-Dichlorobenzene	0.50	U	ug/L
1,2-Dichloroethane	0.20	U	ug/L
1,2-Dichloropropane	0.20	U	ug/L
1,3-Dichlorobenzene	0.50	U	ug/L
1,4-Dichlorobenzene	0.50	U	ug/L
2-Butanone	3.0	U	ug/L
Benzene	0.20	U	ug/L
Bromodichloromethane	0.20	U	ug/L
Bromoform	0.50	U	ug/L
Bromomethane	0.50	U	ug/L
Carbon tetrachloride	0.20	U	ug/L
Chlorobenzene	0.20	U	ug/L
Chloroethane	0.50	U	ug/L
Chloroform	0.20	U	ug/L
Chloromethane	0.50	U	ug/L
cis-1,2-Dichloroethene	0.20	U	ug/L
cis-1,3-Dichloropropene	0.50	U	ug/L
Dibromochloromethane	0.20	U	ug/L
Ethylbenzene	0.20	U	ug/L
m,p-Xylene	0.50	U	ug/L
Methyl-t-butyl ether	0.20	U	ug/L
Methylene chloride	1.0	U	ug/L
o-Xylene	0.50	U	ug/L
Tetrachloroethene	0.20	U	ug/L
Toluene	0.50	U	ug/L
trans-1,2-Dichloroethene	0.20	U	ug/L
trans-1,3-Dichloropropene	0.50	U	ug/L
Trichloroethene	0.20	U	ug/L
Trichlorofluoromethane	0.20	U	ug/L
Vinyl chloride	0.20	U	ug/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P407027

Component	Result	Code	Units
1,2,4-Trichlorobenzene	0.050	U	ug/L
2-Chloronaphthalene	0.050	U	ug/L
2-Chlorophenol	0.050	U	ug/L
2-Methyl-4,6-dinitrophenol	3.0	U	ug/L
2-Nitrophenol	0.050	U	ug/L
2,4-Dichlorophenol	0.050	U	ug/L
2,4-Dimethylphenol	0.050	U	ug/L
2,4-Dinitrophenol	10	U	ug/L
2,4-Dinitrotoluene	0.050	U	ug/L
2,4,6-Trichlorophenol	0.050	U	ug/L
2,6-Dinitrotoluene	0.050	U	ug/L
3,3'-Dichlorobenzidine	10	U	ug/L
4-Bromophenyl phenyl ether	0.050	U	ug/L
4-Chloro-3-methylphenol	0.050	U	ug/L
4-Chlorophenyl phenyl ether	0.050	U	ug/L
4-Nitrophenol	10	U	ug/L
Acenaphthene	0.025	U	ug/L
Acenaphthylene	0.025	U	ug/L
Anthracene	0.050	U	ug/L
Azobenzene/1,2-Diphenylhydrazine	0.050	U	ug/L
Benzidine	10	U	ug/L
Benzo(a)anthracene	0.025	U	ug/L
Benzo(a)pyrene	0.025	U	ug/L
Benzo(b)fluoranthene	0.025	U	ug/L
Benzo(g,h,i)perylene	0.025	U	ug/L
Benzo(k)fluoranthene	0.025	U	ug/L
Bis(2-chloroethoxy)methane	0.050	U	ug/L
Bis(2-chloroethyl)ether	0.050	U	ug/L
Bis(2-chloroisopropyl)ether	0.050	U	ug/L
Bis(2-ethylhexyl)phthalate	5.0	U	ug/L
Butyl benzyl phthalate	1.0	U	ug/L
Chrysene	0.025	U	ug/L
Di-n-butyl phthalate	2.0	U	ug/L
Di-n-octyl phthalate	0.050	U	ug/L
Dibenzo(a,h)anthracene	0.025	U	ug/L
Diethyl phthalate	2.0	U	ug/L
Dimethyl phthalate	0.20	U	ug/L
Fluoranthene	0.050	U	ug/L
Fluorene	0.025	U	ug/L
Hexachloroethane	0.050	U	ug/L
Indeno(1,2,3-cd)pyrene	0.025	U	ug/L
Isophorone	0.050	U	ug/L
m,p-Cresols	0.050	U	ug/L
N-Nitrosodi-n-propylamine	0.050	U	ug/L
N-Nitrosodimethylamine	2.0	U	ug/L
N-Nitrosodiphenylamine/ Diphenylamine	0.10	U	ug/L
Naphthalene	0.10	U	ug/L
Nitrobenzene	0.050	U	ug/L
o-Cresol	0.050	U	ug/L
Pentachlorophenol	0.50	U	ug/L
Phenanthrene	0.10	U	ug/L
Phenol	0.050	U	ug/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P407027

Component	Result	Code	Units
Pyrene	0.10	U	ug/L

Reference Method: EPA 8270E
Batch ID: P407360

Component	Result	Code	Units
1,2,4-Trichlorobenzene	180	U	ug/kg
2-Chloronaphthalene	60	U	ug/kg
2-Chlorophenol	180	U	ug/kg
2-Methyl-4,6-dinitrophenol	60	U	ug/kg
2-Nitrophenol	60	U	ug/kg
2,4-Dichlorophenol	60	U	ug/kg
2,4-Dimethylphenol	360	U	ug/kg
2,4-Dinitrophenol	360	U	ug/kg
2,4-Dinitrotoluene	60	U	ug/kg
2,4,6-Trichlorophenol	60	U	ug/kg
2,6-Dinitrotoluene	60	U	ug/kg
3,3'-Dichlorobenzidine	3.6E+03	U	ug/kg
4-Bromophenyl phenyl ether	60	U	ug/kg
4-Chloro-3-methylphenol	60	U	ug/kg
4-Chlorophenyl phenyl ether	60	U	ug/kg
4-Nitrophenol	60	U	ug/kg
Acenaphthene	6.7	U	ug/kg
Acenaphthylene	6.7	U	ug/kg
Anthracene	6.7	U	ug/kg
Azobenzene/1,2-Diphenylhydrazine	60	U	ug/kg
Benzidine	1.3E+03	U	ug/kg
Benzo(a)anthracene	6.7	U	ug/kg
Benzo(a)pyrene	6.7	U	ug/kg
Benzo(b)fluoranthene	6.7	U	ug/kg
Benzo(g,h,i)perylene	6.7	U	ug/kg
Benzo(k)fluoranthene	6.7	U	ug/kg
Bis(2-chloroethoxy)methane	60	U	ug/kg
Bis(2-chloroethyl)ether	60	U	ug/kg
Bis(2-chloroisopropyl)ether	60	U	ug/kg
Bis(2-ethylhexyl)phthalate	360	U	ug/kg
Butyl benzyl phthalate	60	U	ug/kg
Chrysene	6.7	U	ug/kg
Di-n-butyl phthalate	360	U	ug/kg
Di-n-octyl phthalate	60	U	ug/kg
Dibenzo(a,h)anthracene	6.7	U	ug/kg
Diethyl phthalate	60	U	ug/kg
Dimethyl phthalate	60	U	ug/kg
Fluoranthene	6.7	U	ug/kg
Fluorene	6.7	U	ug/kg
Hexachlorobenzene	60	U	ug/kg
Hexachlorobutadiene	180	U	ug/kg
Hexachlorocyclopentadiene	60	U	ug/kg
Hexachloroethane	180	U	ug/kg
Indeno(1,2,3-cd)pyrene	6.7	U	ug/kg
Isophorone	60	U	ug/kg
N-Nitrosodi-n-propylamine	60	U	ug/kg

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P407360

Component	Result	Code	Units
N-Nitrosodimethylamine	360	U	ug/kg
N-Nitrosodiphenylamine/ Diphenylamine	60	U	ug/kg
Naphthalene	6.7	U	ug/kg
Nitrobenzene	60	U	ug/kg
Pentachlorophenol	60	U	ug/kg
Phenanthrene	6.7	U	ug/kg
Phenol	60	U	ug/kg
Pyrene	6.7	U	ug/kg

Reference Method: FL-PRO 2018
Batch ID: P407161

Component	Result	Code	Units
TRPH	0.45	U	mg/L

Reference Method: FL-PRO 2018
Batch ID: P407270

Component	Result	Code	Units
TRPH	35	U	mg/Kg

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407000

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	122		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	110		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	97.6		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	90.1		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	93.7		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	101		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	113		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.5		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	81.5		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	91.6		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	70.3		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	96.2		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	99.3		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	90.5		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	110		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	49.3		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	115		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	102		P	40 - 160
Perfluorobutanoic acid (PFBA)	89.0		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	118		P	40 - 160
Perfluorodecanoic acid (PFDA)	91.2		P	40 - 160
Perfluorododecanoic acid (PFDoA)	103		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	99.4		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	98.8		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	95.5		P	40 - 160
Perfluorohexanoic acid (PFHxA)	97.7		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	107		P	40 - 160
Perfluorononanoic acid (PFNA)	90.9		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	101		P	40 - 160
Perfluorooctanoic acid (PFOA)	97.4		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	133		P	40 - 160
Perfluoropentanoic acid (PFPeA)	91.4		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	146		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	94.5		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	87.2		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	64.3		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407001

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	115		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	113		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	99.4		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	79.6		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	85.0		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	109		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	94.1		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	71.9		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	71.3		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	75.4		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	111		P	40 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407001

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoro-1-hexane sulfonamide (FHxSA)	91.6		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	97.6		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	110		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	114		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	120		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	102		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	101		P	40 - 160
Perfluorobutanoic acid (PFBA)	96.1		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	118		P	40 - 160
Perfluorodecanoic acid (PFDA)	91.9		P	40 - 160
Perfluorododecanoic acid (PFDoA)	95.8		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	97.0		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	80.9		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	104		P	40 - 160
Perfluorohexanoic acid (PFHxA)	98.9		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	109		P	40 - 160
Perfluorononanoic acid (PFNA)	71.6		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	102		P	40 - 160
Perfluorooctanoic acid (PFOA)	109		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	108		P	40 - 160
Perfluoropentanoic acid (PFPeA)	98.6		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	92.7		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	74.7		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	73.6		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	103		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407002

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	122		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	118		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	99.4		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	88.8		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	86.5		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	117		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	98.2		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	72.0		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	81.1		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	68.4		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	104		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	97.6		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	99.5		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	92.9		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	111		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	95.7		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	100		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	98.4		P	40 - 160
Perfluorobutanoic acid (PFBA)	99.4		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	131		P	40 - 160
Perfluorodecanoic acid (PFDA)	78.5		P	40 - 160
Perfluorododecanoic acid (PFDoA)	101		P	40 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407002

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoroheptanesulfonic acid (PFHpS)	93.6		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	90.1		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	100		P	40 - 160
Perfluorohexanoic acid (PFHxA)	104		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	110		P	40 - 160
Perfluorononanoic acid (PFNA)	72.7		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	106		P	40 - 160
Perfluorooctanoic acid (PFOA)	110		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	124		P	40 - 160
Perfluoropentanoic acid (PFPeA)	85.8		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	108		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	90.7		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	81.9		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	94.8		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407004

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	117		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	101		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	84.9		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	90.8		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	99.8		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	101		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	104		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	81.7		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	73.8		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	71.2		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	98.1		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	82.8		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	87.6		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	103		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	98.9		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	111		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	92.1		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	91.4		P	40 - 160
Perfluorobutanoic acid (PFBA)	89.9		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	124		P	40 - 160
Perfluorodecanoic acid (PFDA)	104		P	40 - 160
Perfluorododecanoic acid (PFDoA)	81.1		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	85.1		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	75.4		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	87.7		P	40 - 160
Perfluorohexanoic acid (PFHxA)	88.6		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	105		P	40 - 160
Perfluorononanoic acid (PFNA)	92.6		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	100		P	40 - 160
Perfluorooctanoic acid (PFOA)	99.7		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	104		P	40 - 160
Perfluoropentanoic acid (PFPeA)	93.2		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	64.0		P	40 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407004

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluorotetradecanoic acid (PFTeA)	99.1		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	89.9		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	87.7		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407140

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	86.2		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)	98.7		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	78.8		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	84.9		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	100		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	110		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	88.0		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	81.1		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	78.4		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	144		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	123		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	87.3		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	108		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	92.1		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	105		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	93.1		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	93.8		P	30 - 160
Perfluorobutanoic acid (PFBA)	90.0		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	105		P	30 - 160
Perfluorodecanoic acid (PFDA)	78.2		P	30 - 160
Perfluorododecanoic acid (PFDoA)	119		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	83.7		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	107		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	88.2		P	30 - 160
Perfluorohexanoic acid (PFHxA)	94.4		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	94.9		P	30 - 160
Perfluorononanoic acid (PFNA)	66.7		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	97.6		P	30 - 160
Perfluorooctanoic acid (PFOA)	95.0		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	105		P	30 - 160
Perfluoropentanoic acid (PFPeA)	86.2		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	94.4		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	92.2		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	133		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	85.5		P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407141

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	80.9		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	83.3		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	83.0		P	30 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407141

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	79.6		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	84.5		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	104		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	108		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	73.7		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	73.4		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	55.3		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	141		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	125		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	90.2		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	110		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	86.8		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	116		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	92.7		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	85.3		P	30 - 160
Perfluorobutanoic acid (PFBA)	85.8		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	99.3		P	30 - 160
Perfluorodecanoic acid (PFDA)	82.6		P	30 - 160
Perfluorododecanoic acid (PFDoA)	76.7		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	75.1		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	78.8		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	80.8		P	30 - 160
Perfluorohexanoic acid (PFHxA)	96.6		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	95.5		P	30 - 160
Perfluorononanoic acid (PFNA)	70.8		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	91.2		P	30 - 160
Perfluorooctanoic acid (PFOA)	86.3		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	97.9		P	30 - 160
Perfluoropentanoic acid (PFPeA)	84.9		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	93.9		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	88.6		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	118		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	99.4		P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407462

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	97.2		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	111		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	89.1		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	81.8		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	82.4		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	88.5		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	82.4		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	82.2		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	66.6		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	69.4		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	57.6		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	71.4		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	88.7		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	88.0		P	40 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407462

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	108		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	80.6		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	95.7		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	94.9		P	40 - 160
Perfluorobutanoic acid (PFBA)	89.2		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	108		P	40 - 160
Perfluorodecanoic acid (PFDA)	86.5		P	40 - 160
Perfluorododecanoic acid (PFDoA)	130		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	94.2		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	90.3		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	84.4		P	40 - 160
Perfluorohexanoic acid (PFHxA)	90.6		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	91.1		P	40 - 160
Perfluorononanoic acid (PFNA)	69.7		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	92.0		P	40 - 160
Perfluorooctanoic acid (PFOA)	122		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	73.3		P	40 - 160
Perfluoropentanoic acid (PFPeA)	86.1		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	94.3		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	85.2		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	75.8		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	90.3		P	40 - 160

Reference Method: EPA 8260D
Batch ID: P407143

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1,1-Dichloroethane	100	96.5	P/P	60 - 140
1,1-Dichloroethene	84.0	82.2	P/P	60 - 140
1,1,1-Trichloroethane	93.7	92.6	P/P	70 - 140
1,1,2-Trichloroethane	106	97.8	P/P	70 - 140
1,1,2,2-Tetrachloroethane	103	99.3	P/P	55 - 140
1,2-Dichlorobenzene	102	98.1	P/P	45 - 140
1,2-Dichloroethane	98.2	93.9	P/P	60 - 140
1,2-Dichloropropane	98.2	93.1	P/P	70 - 140
1,3-Dichlorobenzene	101	99.0	P/P	45 - 140
1,4-Dichlorobenzene	99.7	97.3	P/P	45 - 140
2-Butanone	106	103	P/P	50 - 140
Benzene	96.7	93.8	P/P	70 - 140
Bromodichloromethane	99.7	95.5	P/P	70 - 140
Bromoform	109	103	P/P	50 - 140
Bromomethane	91.8	91.2	P/P	50 - 140
Carbon tetrachloride	98.1	96.8	P/P	70 - 140
Chlorobenzene	107	103	P/P	60 - 140
Chloroethane	81.5	82.3	P/P	50 - 140
Chloroform	99.2	95.5	P/P	70 - 140
Chloromethane	75.2	73.8	P/P	50 - 140
cis-1,2-Dichloroethene	94.5	88.3	P/P	70 - 140
cis-1,3-Dichloropropene	101	96.6	P/P	60 - 140
Dibromochloromethane	114	107	P/P	60 - 140
Ethylbenzene	107	104	P/P	60 - 140
m,p-Xylene	108	104	P/P	60 - 140

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8260D
Batch ID: P407143

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Methyl-t-butyl ether	96.1	93.0	P/P	60 - 140
Methylene chloride	97.6	91.9	P/P	60 - 140
o-Xylene	100	95.6	P/P	60 - 140
Tetrachloroethene	103	102	P/P	60 - 140
Toluene	99.6	97.0	P/P	60 - 140
trans-1,2-Dichloroethene	88.8	85.1	P/P	60 - 140
trans-1,3-Dichloropropene	102	95.7	P/P	60 - 140
Trichloroethene	99.8	98.6	P/P	70 - 140
Trichlorofluoromethane	97.2	96.2	P/P	50 - 140
Vinyl chloride	89.7	88.5	P/P	50 - 140

Reference Method: EPA 8260D
Batch ID: P407271

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1,1-Dichloroethane	99.2	103	P/P	70 - 130
1,1-Dichloroethene	81.7	85.2	P/P	70 - 130
1,1,1-Trichloroethane	101	103	P/P	70 - 130
1,1,2-Trichloroethane	95.4	106	P/P	70 - 130
1,1,2,2-Tetrachloroethane	95.6	99.2	P/P	60 - 140
1,2-Dichlorobenzene	93.7	98.8	P/P	70 - 130
1,2-Dichloroethane	108	110	P/P	70 - 130
1,2-Dichloropropane	104	106	P/P	70 - 130
1,3-Dichlorobenzene	101	107	P/P	70 - 130
1,4-Dichlorobenzene	101	106	P/P	70 - 130
2-Butanone	98.1	101	P/P	60 - 140
Benzene	102	106	P/P	70 - 130
Bromodichloromethane	110	112	P/P	70 - 130
Bromoform	101	103	P/P	60 - 140
Bromomethane	108	112	P/P	60 - 140
Carbon tetrachloride	105	108	P/P	70 - 130
Chlorobenzene	102	106	P/P	70 - 130
Chloroethane	104	105	P/P	60 - 140
Chloroform	105	108	P/P	70 - 130
Chloromethane	94.8	98.0	P/P	60 - 140
cis-1,2-Dichloroethene	96.2	99.8	P/P	70 - 130
cis-1,3-Dichloropropene	101	104	P/P	60 - 140
Dibromochloromethane	99.9	103	P/P	60 - 140
Ethylbenzene	106	110	P/P	70 - 130
m,p-Xylene	105	108	P/P	70 - 130
Methyl-t-butyl ether	93.0	97.6	P/P	60 - 140
Methylene chloride	99.8	102	P/P	70 - 130
o-Xylene	109	113	P/P	70 - 130
Tetrachloroethene	95.3	99.6	P/P	70 - 130
Toluene	107	110	P/P	70 - 130
trans-1,2-Dichloroethene	89.0	93.1	P/P	70 - 130
trans-1,3-Dichloropropene	97.8	101	P/P	60 - 140
Trichloroethene	102	107	P/P	70 - 130
Trichlorofluoromethane	115	115	P/P	60 - 140
Vinyl chloride	107	110	P/P	60 - 140

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P407027

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1,2,4-Trichlorobenzene	116		P	50 - 130
2-Chloronaphthalene	116		P	50 - 130
2-Chlorophenol	114		P	50 - 130
2-Methyl-4,6-dinitrophenol	108		P	50 - 150
2-Nitrophenol	120		P	50 - 130
2,4-Dichlorophenol	122		P	50 - 130
2,4-Dimethylphenol	105		P	50 - 130
2,4-Dinitrophenol	104		P	30 - 160
2,4-Dinitrotoluene	118		P	50 - 130
2,4,6-Trichlorophenol	118		P	50 - 130
2,6-Dinitrotoluene	127		P	50 - 130
3,3'-Dichlorobenzidine	110		P	0.0 - 200
4-Bromophenyl phenyl ether	117		P	50 - 130
4-Chloro-3-methylphenol	117		P	50 - 130
4-Chlorophenyl phenyl ether	105		P	50 - 130
4-Nitrophenol	61.9		P	15 - 110
Acenaphthene	109		P	50 - 130
Acenaphthylene	107		P	50 - 130
Anthracene	124		P	50 - 130
Azobenzene/1,2-Diphenylhydrazine	129		P	50 - 130
Benzidine	77.7		P	0.0 - 240
Benzo(a)anthracene	119		P	50 - 130
Benzo(a)pyrene	122		P	50 - 130
Benzo(b)fluoranthene	118		P	50 - 130
Benzo(g,h,i)perylene	129		P	50 - 130
Benzo(k)fluoranthene	124		P	50 - 130
Bis(2-chloroethoxy)methane	127		P	50 - 130
Bis(2-chloroethyl)ether	112		P	50 - 160
Bis(2-chloroisopropyl)ether	108		P	50 - 130
Bis(2-ethylhexyl)phthalate	140		P	50 - 160
Butyl benzyl phthalate	130		P	50 - 160
Chrysene	126		P	50 - 130
Di-n-butyl phthalate	124		P	50 - 160
Di-n-octyl phthalate	118		P	50 - 130
Dibenzo(a,h)anthracene	128		P	50 - 130
Diethyl phthalate	117		P	50 - 130
Dimethyl phthalate	118		P	50 - 130
Fluoranthene	122		P	50 - 130
Fluorene	105		P	50 - 130
Hexachloroethane	98.4		P	40 - 130
Indeno(1,2,3-cd)pyrene	124		P	50 - 130
Isophorone	125		P	50 - 130
m,p-Cresols	116		P	50 - 130
N-Nitrosodi-n-propylamine	120		P	50 - 130
N-Nitrosodimethylamine	95.3		P	30 - 130
N-Nitrosodiphenylamine/ Diphenylamine	120		P	50 - 150
Naphthalene	109		P	50 - 130
Nitrobenzene	126		P	50 - 130
o-Cresol	96.1		P	50 - 130
Pentachlorophenol	107		P	50 - 130
Phenanthrene	120		P	50 - 130
Phenol	91.5		P	15 - 110

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P407027

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Pyrene	128		P	50 - 130

Reference Method: EPA 8270E
Batch ID: P407360

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1,2,4-Trichlorobenzene	97.8		P	40 - 140
2-Chloronaphthalene	102		P	40 - 140
2-Chlorophenol	103		P	40 - 140
2-Methyl-4,6-dinitrophenol	92.8		P	40 - 140
2-Nitrophenol	77.5		P	40 - 140
2,4-Dichlorophenol	108		P	40 - 140
2,4-Dimethylphenol	106		P	40 - 140
2,4-Dinitrophenol	88.7		P	40 - 140
2,4-Dinitrotoluene	110		P	40 - 140
2,4,6-Trichlorophenol	111		P	40 - 140
2,6-Dinitrotoluene	118		P	40 - 140
3,3'-Dichlorobenzidine	96.4		P	5.0 - 200
4-Bromophenyl phenyl ether	112		P	40 - 140
4-Chloro-3-methylphenol	120		P	40 - 140
4-Chlorophenyl phenyl ether	110		P	40 - 140
4-Nitrophenol	127		P	40 - 140
Acenaphthene	105		P	40 - 140
Acenaphthylene	104		P	40 - 140
Anthracene	107		P	40 - 140
Azobenzene/1,2-Diphenylhydrazine	114		P	40 - 140
Benzidine	121		P	5.0 - 200
Benzo(a)anthracene	125		P	40 - 140
Benzo(a)pyrene	114		P	40 - 140
Benzo(b)fluoranthene	121		P	40 - 140
Benzo(g,h,i)perylene	114		P	40 - 140
Benzo(k)fluoranthene	120		P	40 - 140
Bis(2-chloroethoxy)methane	103		P	40 - 140
Bis(2-chloroethyl)ether	80.3		P	40 - 140
Bis(2-chloroisopropyl)ether	90.2		P	40 - 160
Bis(2-ethylhexyl)phthalate	146		F	40 - 140
Butyl benzyl phthalate	123		P	40 - 140
Chrysene	122		P	40 - 140
Di-n-butyl phthalate	115		P	40 - 140
Di-n-octyl phthalate	121		P	40 - 140
Dibenzo(a,h)anthracene	121		P	40 - 140
Diethyl phthalate	121		P	40 - 140
Dimethyl phthalate	113		P	40 - 140
Fluoranthene	112		P	40 - 140
Fluorene	105		P	40 - 140
Hexachlorobenzene	106		P	40 - 140
Hexachlorobutadiene	95.4		P	40 - 140
Hexachlorocyclopentadiene	64.1		P	40 - 140
Hexachloroethane	84.9		P	40 - 140
Indeno(1,2,3-cd)pyrene	120		P	40 - 140
Isophorone	99.3		P	40 - 140
N-Nitrosodi-n-propylamine	106		P	40 - 140

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P407360

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
N-Nitrosodimethylamine	95.4		P	40 - 140
N-Nitrosodiphenylamine/ Diphenylamine	112		P	40 - 140
Naphthalene	97.9		P	40 - 140
Nitrobenzene	101		P	40 - 140
Pentachlorophenol	126		P	40 - 140
Phenanthrene	108		P	40 - 140
Phenol	99.4		P	40 - 140
Pyrene	123		P	40 - 140

Reference Method: FL-PRO 2018
Batch ID: P407161

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TRPH	88.6	101	P/P	66 - 119

Reference Method: FL-PRO 2018
Batch ID: P407270

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TRPH	72.8	72.0	P/P	65 - 119

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407000

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2291795	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	123	112	P/P	40 - 160
2291795	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	103	102	P/P	40 - 160
2291795	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	110	137	P/P	40 - 160
2291795	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	88.7	85.5	P/P	40 - 160
2291795	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	115	114	P/P	40 - 160
2291795	Hexafluoropropylene oxide dimer acid (HFPO-DA)	105	122	P/P	40 - 160
2291795	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	83.7	95.3	P/P	40 - 160
2291795	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	75.2	67.4	P/P	40 - 160
2291795	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	80.2	84.2	P/P	40 - 160
2291795	Perfluoro-1-butane sulfonamide (FBSA)	102	104	P/P	40 - 160
2291795	Perfluoro-1-hexane sulfonamide (FHxSA)	79.9	93.7	P/P	40 - 160
2291795	Perfluoro-1-octane sulfonamide (FOSA)	106	108	P/P	40 - 160
2291795	Perfluoro-3-methoxypropanoic acid (PFMPA)	88.7	93.4	P/P	40 - 160
2291795	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	114	111	P/P	40 - 160
2291795	Perfluoro-4-methoxybutanoic acid (PFMBA)	98.1	98.3	P/P	40 - 160
2291795	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	101	108	P/P	40 - 160
2291795	Perfluorobutanesulfonic acid (PFBS)	91.5	90.6	P/P	40 - 160
2291795	Perfluorobutanoic acid (PFBA)	94.3	97.7	P/P	40 - 160
2291795	Perfluorodecanesulfonic acid (PFDS)	118	115	P/P	40 - 160
2291795	Perfluorodecanoic acid (PFDA)	75.9	70.6	P/P	40 - 160
2291795	Perfluorododecanoic acid (PFDoA)	129	92.8	P/P	40 - 160
2291795	Perfluoroheptanesulfonic acid (PFHpS)	93.9	99.4	P/P	40 - 160
2291795	Perfluoroheptanoic acid (PFHpA)	95.0	96.7	P/P	40 - 160
2291795	Perfluorohexanesulfonic acid (PFHxS)	103	98.6	P/P	40 - 160
2291795	Perfluorohexanoic acid (PFHxA)	99.3	75.4	P/P	40 - 160
2291795	Perfluorononanesulfonic acid (PFNS)	115	106	P/P	40 - 160
2291795	Perfluorononanoic acid (PFNA)	81.7	84.1	P/P	40 - 160
2291795	Perfluorooctanoic acid (PFOA)	108	101	P/P	40 - 160
2291795	Perfluoropentanesulfonic acid (PFPeS)	115	116	P/P	40 - 160
2291795	Perfluoropentanoic acid (PFPeA)	105	93.5	P/P	40 - 160
2291795	Perfluoropropanesulfonic acid (PFPrS)	83.5	81.4	P/P	40 - 160
2291795	Perfluorotetradecanoic acid (PFTeA)	93.6	91.4	P/P	40 - 160
2291795	Perfluorotridecanoic acid (PFTriA)	88.9	68.5	P/P	40 - 160
2291795	Perfluoroundecanoic acid (PFUnA)	84.5	83.6	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407001

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292804	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	117	108	P/P	40 - 160
2292804	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	106	104	P/P	40 - 160
2292804	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	92.0	89.9	P/P	40 - 160
2292804	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	115	100	P/P	40 - 160
2292804	Hexafluoropropylene oxide dimer acid (HFPO-DA)	94.3	80.9	P/P	40 - 160
2292804	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	81.5	75.7	P/P	40 - 160
2292804	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	74.4	65.4	P/P	40 - 160
2292804	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	79.6	78.8	P/P	40 - 160
2292804	Perfluoro-1-butane sulfonamide (FBSA)	108	107	P/P	40 - 160
2292804	Perfluoro-1-hexane sulfonamide (FHxSA)	100	93.9	P/P	40 - 160
2292804	Perfluoro-1-octane sulfonamide (FOSA)	90.3	80.4	P/P	40 - 160
2292804	Perfluoro-3-methoxypropanoic acid (PFMPA)	94.6	114	P/P	40 - 160
2292804	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	111	103	P/P	40 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407001

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292804	Perfluoro-4-methoxybutanoic acid (PFMBA)	90.6	119	P/P	40 - 160
2292804	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	106	102	P/P	40 - 160
2292804	Perfluorobutanesulfonic acid (PFBS)	106	93.8	P/P	40 - 160
2292804	Perfluorobutanoic acid (PFBA)	84.9	92.0	P/P	40 - 160
2292804	Perfluorodecanesulfonic acid (PFDS)	115	115	P/P	40 - 160
2292804	Perfluorodecanoic acid (PFDA)	53.7	71.0	P/P	40 - 160
2292804	Perfluorododecanoic acid (PFDoA)	94.7	89.1	P/P	40 - 160
2292804	Perfluoroheptanesulfonic acid (PFHpS)	95.4	88.8	P/P	40 - 160
2292804	Perfluoroheptanoic acid (PFHpA)	97.0	89.8	P/P	40 - 160
2292804	Perfluorohexanesulfonic acid (PFHxS)	99.1	86.8	P/P	40 - 160
2292804	Perfluorohexanoic acid (PFHxA)	80.1	72.1	P/P	40 - 160
2292804	Perfluorononanesulfonic acid (PFNS)	118	102	P/P	40 - 160
2292804	Perfluorononanoic acid (PFNA)	77.9	75.4	P/P	40 - 160
2292804	Perfluorooctanoic acid (PFOA)	93.8	110	P/P	40 - 160
2292804	Perfluoropentanesulfonic acid (PFPeS)	112	116	P/P	40 - 160
2292804	Perfluoropentanoic acid (PFPeA)	98.7	81.6	P/P	40 - 160
2292804	Perfluoropropanesulfonic acid (PFPrS)	89.9	93.1	P/P	40 - 160
2292804	Perfluorotetradecanoic acid (PFTeA)	102	84.5	P/P	40 - 160
2292804	Perfluorotridecanoic acid (PFTriA)	87.3	86.0	P/P	40 - 160
2292804	Perfluoroundecanoic acid (PFUnA)	73.3	68.5	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407002

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292860	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	120	120	P/P	40 - 160
2292860	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	98.2	95.3	P/P	40 - 160
2292860	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	109	98.4	P/P	40 - 160
2292860	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	112	100	P/P	40 - 160
2292860	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	112	111	P/P	40 - 160
2292860	Hexafluoropropylene oxide dimer acid (HFPO-DA)	93.9	84.4	P/P	40 - 160
2292860	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	87.5	92.5	P/P	40 - 160
2292860	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	75.5	88.9	P/P	40 - 160
2292860	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	79.6	74.0	P/P	40 - 160
2292860	Perfluoro-1-butane sulfonamide (FBSA)	109	107	P/P	40 - 160
2292860	Perfluoro-1-octane sulfonamide (FOSA)	98.0	102	P/P	40 - 160
2292860	Perfluoro-3-methoxypropanoic acid (PFMPA)	92.0	95.8	P/P	40 - 160
2292860	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	102	106	P/P	40 - 160
2292860	Perfluoro-4-methoxybutanoic acid (PFMBA)	86.6	97.1	P/P	40 - 160
2292860	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	98.4	101	P/P	40 - 160
2292860	Perfluorobutanesulfonic acid (PFBS)	103	99.8	P/P	40 - 160
2292860	Perfluorobutanoic acid (PFBA)	108	107	P/P	40 - 160
2292860	Perfluorodecanesulfonic acid (PFDS)	130	125	P/P	40 - 160
2292860	Perfluorodecanoic acid (PFDA)	110	85.4	P/P	40 - 160
2292860	Perfluorododecanoic acid (PFDoA)	102	95.1	P/P	40 - 160
2292860	Perfluoroheptanesulfonic acid (PFHpS)	72.9	87.2	P/P	40 - 160
2292860	Perfluoroheptanoic acid (PFHpA)	88.6	79.0	P/P	40 - 160
2292860	Perfluorohexanesulfonic acid (PFHxS)	81.2	77.6	P/P	40 - 160
2292860	Perfluorohexanoic acid (PFHxA)	91.0	85.3	P/P	40 - 160
2292860	Perfluorononanesulfonic acid (PFNS)	120	104	P/P	40 - 160
2292860	Perfluorononanoic acid (PFNA)	115	116	P/P	40 - 160
2292860	Perfluorooctanoic acid (PFOA)	99.3	114	P/P	40 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407002

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292860	Perfluoropentanesulfonic acid (PFPeS)	109	107	P/P	40 - 160
2292860	Perfluoropentanoic acid (PFPeA)	99.7	93.3	P/P	40 - 160
2292860	Perfluoropropanesulfonic acid (PFPrS)	107	115	P/P	40 - 160
2292860	Perfluorotetradecanoic acid (PFTeA)	84.6	92.5	P/P	40 - 160
2292860	Perfluorotridecanoic acid (PFTriA)	75.3	82.8	P/P	40 - 160
2292860	Perfluoroundecanoic acid (PFUnA)	86.2	86.5	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407004

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292917	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	111	105	P/P	40 - 160
2292917	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	80.3	87.4	P/P	40 - 160
2292917	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	97.0	81.8	P/P	40 - 160
2292917	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	110	93.0	P/P	40 - 160
2292917	Hexafluoropropylene oxide dimer acid (HFPO-DA)	96.5	86.0	P/P	40 - 160
2292917	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	69.2	60.9	P/P	40 - 160
2292917	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	73.3	66.0	P/P	40 - 160
2292917	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	79.2	84.9	P/P	40 - 160
2292917	Perfluoro-1-butane sulfonamide (FBSA)	108	78.1	P/P	40 - 160
2292917	Perfluoro-1-octane sulfonamide (FOSA)	108	79.4	P/P	40 - 160
2292917	Perfluoro-3-methoxypropanoic acid (PFMPA)	114	86.5	P/P	40 - 160
2292917	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	90.3	102	P/P	40 - 160
2292917	Perfluoro-4-methoxybutanoic acid (PFMBA)	130	56.7	P/P	40 - 160
2292917	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	96.8	97.2	P/P	40 - 160
2292917	Perfluorobutanesulfonic acid (PFBS)	96.5	89.5	P/P	40 - 160
2292917	Perfluorobutanoic acid (PFBA)	85.5	81.3	P/P	40 - 160
2292917	Perfluorodecanesulfonic acid (PFDS)	99.1	84.4	P/P	40 - 160
2292917	Perfluorodecanoic acid (PFDA)	82.6	103	P/P	40 - 160
2292917	Perfluorododecanoic acid (PFDoA)	102	112	P/P	40 - 160
2292917	Perfluoroheptanesulfonic acid (PFHpS)	75.9	87.6	P/P	40 - 160
2292917	Perfluoroheptanoic acid (PFHpA)	69.2	83.7	P/P	40 - 160
2292917	Perfluorohexanesulfonic acid (PFHxS)	86.1	85.6	P/P	40 - 160
2292917	Perfluorohexanoic acid (PFHxA)	81.0	88.1	P/P	40 - 160
2292917	Perfluorononanesulfonic acid (PFNS)	95.6	85.7	P/P	40 - 160
2292917	Perfluorononanoic acid (PFNA)	69.9	80.0	P/P	40 - 160
2292917	Perfluorooctanoic acid (PFOA)	84.4	90.1	P/P	40 - 160
2292917	Perfluoropentanesulfonic acid (PFPeS)	104	109	P/P	40 - 160
2292917	Perfluoropropanesulfonic acid (PFPrS)	86.8	109	P/P	40 - 160
2292917	Perfluorotetradecanoic acid (PFTeA)	106	92.3	P/P	40 - 160
2292917	Perfluorotridecanoic acid (PFTriA)	109	82.2	P/P	40 - 160
2292917	Perfluoroundecanoic acid (PFUnA)	91.6	61.3	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407140

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292071	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	71.4	65.6	P/P	30 - 160
2292071	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	130	122	P/P	30 - 160
2292071	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	96.1	83.4	P/P	30 - 160
2292071	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	78.0	84.4	P/P	30 - 160
2292071	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	78.2	90.4	P/P	30 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407140

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292071	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	91.0	91.5	P/P	30 - 160
2292071	Hexafluoropropylene oxide dimer acid (HFPO-DA)	96.7	110	P/P	30 - 160
2292071	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	80.6	76.7	P/P	30 - 160
2292071	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	89.2	73.7	P/P	30 - 160
2292071	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	66.9	64.2	P/P	30 - 160
2292071	Perfluoro-1-butane sulfonamide (FBSA)	106	95.9	P/P	30 - 160
2292071	Perfluoro-1-hexane sulfonamide (FHxSA)	85.6	81.2	P/P	30 - 160
2292071	Perfluoro-1-octane sulfonamide (FOSA)	90.7	86.0	P/P	30 - 160
2292071	Perfluoro-3-methoxypropanoic acid (PFMPA)	92.6	92.9	P/P	30 - 160
2292071	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	105	106	P/P	30 - 160
2292071	Perfluoro-4-methoxybutanoic acid (PFMBA)	89.8	96.2	P/P	30 - 160
2292071	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	97.0	142	P/P	30 - 160
2292071	Perfluorobutanesulfonic acid (PFBS)	93.8	91.9	P/P	30 - 160
2292071	Perfluorobutanoic acid (PFBA)	92.5	91.9	P/P	30 - 160
2292071	Perfluorodecanesulfonic acid (PFDS)	80.8	74.7	P/P	30 - 160
2292071	Perfluorodecanoic acid (PFDA)	86.4	108	P/P	30 - 160
2292071	Perfluorododecanoic acid (PFDoA)	90.0	89.4	P/P	30 - 160
2292071	Perfluoroheptanesulfonic acid (PFHpS)	90.8	93.7	P/P	30 - 160
2292071	Perfluoroheptanoic acid (PFHpA)	92.2	92.1	P/P	30 - 160
2292071	Perfluorohexanesulfonic acid (PFHxS)	92.5	95.6	P/P	30 - 160
2292071	Perfluorohexanoic acid (PFHxA)	96.6	84.5	P/P	30 - 160
2292071	Perfluorononanesulfonic acid (PFNS)	94.8	83.6	P/P	30 - 160
2292071	Perfluorononanoic acid (PFNA)	82.4	73.2	P/P	30 - 160
2292071	Perfluorooctanesulfonic acid (PFOS)	85.0	81.5	P/P	30 - 160
2292071	Perfluorooctanoic acid (PFOA)	97.4	89.7	P/P	30 - 160
2292071	Perfluoropentanesulfonic acid (PFPeS)	108	160	P/P	30 - 160
2292071	Perfluoropentanoic acid (PFPeA)	96.0	77.8	P/P	30 - 160
2292071	Perfluoropropanesulfonic acid (PFPrS)	108	139	P/P	30 - 160
2292071	Perfluorotetradecanoic acid (PFTeA)	95.6	97.9	P/P	30 - 160
2292071	Perfluorotridecanoic acid (PFTriA)	126	96.4	P/P	30 - 160
2292071	Perfluoroundecanoic acid (PFUnA)	104	90.1	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407141

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2293181	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	69.9	76.9	P/P	30 - 160
2293181	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	115	100	P/P	30 - 160
2293181	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	96.5	92.9	P/P	30 - 160
2293181	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	87.9	76.6	P/P	30 - 160
2293181	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	92.9	86.0	P/P	30 - 160
2293181	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	101	103	P/P	30 - 160
2293181	Hexafluoropropylene oxide dimer acid (HFPO-DA)	109	85.1	P/P	30 - 160
2293181	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	90.2	76.1	P/P	30 - 160
2293181	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	80.0	72.6	P/P	30 - 160
2293181	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	75.6	78.8	P/P	30 - 160
2293181	Perfluoro-1-butane sulfonamide (FBSA)	121	106	P/P	30 - 160
2293181	Perfluoro-1-hexane sulfonamide (FHxSA)	103	89.2	P/P	30 - 160
2293181	Perfluoro-1-octane sulfonamide (FOSA)	106	91.1	P/P	30 - 160
2293181	Perfluoro-3-methoxypropanoic acid (PFMPA)	128	120	P/P	30 - 160
2293181	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	107	94.2	P/P	30 - 160
2293181	Perfluoro-4-methoxybutanoic acid (PFMBA)	137	140	P/P	30 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407141

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2293181	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	99.9	89.5	P/P	30 - 160
2293181	Perfluorobutanesulfonic acid (PFBS)	99.8	90.9	P/P	30 - 160
2293181	Perfluorobutanoic acid (PFBA)	93.4	80.5	P/P	30 - 160
2293181	Perfluorodecanesulfonic acid (PFDS)	85.8	88.6	P/P	30 - 160
2293181	Perfluorodecanoic acid (PFDA)	84.6	79.3	P/P	30 - 160
2293181	Perfluorododecanoic acid (PFDoA)	83.2	81.6	P/P	30 - 160
2293181	Perfluoroheptanesulfonic acid (PFHpS)	89.9	81.9	P/P	30 - 160
2293181	Perfluoroheptanoic acid (PFHpA)	109	97.7	P/P	30 - 160
2293181	Perfluorohexanesulfonic acid (PFHxS)	98.4	86.8	P/P	30 - 160
2293181	Perfluorohexanoic acid (PFHxA)	93.8	102	P/P	30 - 160
2293181	Perfluorononanesulfonic acid (PFNS)	93.1	94.7	P/P	30 - 160
2293181	Perfluorononanoic acid (PFNA)	85.8	76.8	P/P	30 - 160
2293181	Perfluorooctanoic acid (PFOA)	73.8	83.3	P/P	30 - 160
2293181	Perfluoropentanesulfonic acid (PFPeS)	109	99.9	P/P	30 - 160
2293181	Perfluoropentanoic acid (PFPeA)	92.3	85.2	P/P	30 - 160
2293181	Perfluoropropanesulfonic acid (PFPrS)	90.4	90.9	P/P	30 - 160
2293181	Perfluorotetradecanoic acid (PFTeA)	86.6	77.6	P/P	30 - 160
2293181	Perfluorotridecanoic acid (PFTriA)	116	89.9	P/P	30 - 160
2293181	Perfluoroundecanoic acid (PFUnA)	111	84.2	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407462

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292981	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	107	113	P/P	40 - 160
2292981	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	102	82.6	P/P	40 - 160
2292981	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	112	102	P/P	40 - 160
2292981	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	103	88.7	P/P	40 - 160
2292981	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	86.3	114	P/P	40 - 160
2292981	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	96.8	103	P/P	40 - 160
2292981	Hexafluoropropylene oxide dimer acid (HFPO-DA)	79.8	84.5	P/P	40 - 160
2292981	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	75.4	76.3	P/P	40 - 160
2292981	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	76.1	60.2	P/P	40 - 160
2292981	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	95.7	82.6	P/P	40 - 160
2292981	Perfluoro-1-butane sulfonamide (FBSA)	61.2	79.5	P/P	40 - 160
2292981	Perfluoro-1-hexane sulfonamide (FHxSA)	76.9	82.5	P/P	40 - 160
2292981	Perfluoro-1-octane sulfonamide (FOSA)	93.9	89.5	P/P	40 - 160
2292981	Perfluoro-3-methoxypropanoic acid (PFMPA)	86.3	81.9	P/P	40 - 160
2292981	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	112	101	P/P	40 - 160
2292981	Perfluoro-4-methoxybutanoic acid (PFMBA)	86.0	51.6	P/P	40 - 160
2292981	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	74.7	98.2	P/P	40 - 160
2292981	Perfluorobutanesulfonic acid (PFBS)	99.3	100	P/P	40 - 160
2292981	Perfluorobutanoic acid (PFBA)	94.4	94.2	P/P	40 - 160
2292981	Perfluorodecanesulfonic acid (PFDS)	110	114	P/P	40 - 160
2292981	Perfluorodecanoic acid (PFDA)	97.5	72.3	P/P	40 - 160
2292981	Perfluorododecanoic acid (PFDoA)	69.7	73.3	P/P	40 - 160
2292981	Perfluoroheptanesulfonic acid (PFHpS)	102	94.8	P/P	40 - 160
2292981	Perfluoroheptanoic acid (PFHpA)	105	80.3	P/P	40 - 160
2292981	Perfluorohexanesulfonic acid (PFHxS)	88.2	91.3	P/P	40 - 160
2292981	Perfluorohexanoic acid (PFHxA)	89.0	93.4	P/P	40 - 160
2292981	Perfluorononanesulfonic acid (PFNS)	97.1	106	P/P	40 - 160
2292981	Perfluorononanoic acid (PFNA)	65.7	84.3	P/P	40 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407462

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292981	Perfluorooctanesulfonic acid (PFOS)	104	110	P/P	40 - 160
2292981	Perfluorooctanoic acid (PFOA)	115	103	P/P	40 - 160
2292981	Perfluoropentanesulfonic acid (PFPeS)	110	107	P/P	40 - 160
2292981	Perfluoropentanoic acid (PFPeA)	77.0	87.0	P/P	40 - 160
2292981	Perfluoropropanesulfonic acid (PFPrS)	98.1	125	P/P	40 - 160
2292981	Perfluorotetradecanoic acid (PFTeA)	91.1	89.2	P/P	40 - 160
2292981	Perfluorotridecanoic acid (PFTriA)	83.3	106	P/P	40 - 160
2292981	Perfluoroundecanoic acid (PFUnA)	92.0	71.0	P/P	40 - 160

Reference Method: EPA 8260D
Batch ID: P407143

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292934	1,1-Dichloroethane	113	103	P/P	60 - 140
2292934	1,1-Dichloroethene	91.1	83.1	P/P	60 - 140
2292934	1,1,1-Trichloroethane	100	92.1	P/P	70 - 140
2292934	1,1,2-Trichloroethane	100	94.3	P/P	70 - 140
2292934	1,1,2,2-Tetrachloroethane	84.8	79.3	P/P	55 - 140
2292934	1,2-Dichlorobenzene	78.7	78.2	P/P	45 - 140
2292934	1,2-Dichloroethane	103	94.6	P/P	60 - 140
2292934	1,2-Dichloropropane	108	99.1	P/P	70 - 140
2292934	1,3-Dichlorobenzene	84.2	84.6	P/P	45 - 140
2292934	1,4-Dichlorobenzene	84.4	85.2	P/P	45 - 140
2292934	2-Butanone	88.6	74.3	P/P	50 - 140
2292934	Benzene	108	98.6	P/P	70 - 140
2292934	Bromodichloromethane	108	97.8	P/P	70 - 140
2292934	Bromoform	92.8	88.6	P/P	50 - 140
2292934	Bromomethane	97.9	88.6	P/P	50 - 140
2292934	Carbon tetrachloride	102	93.0	P/P	70 - 140
2292934	Chlorobenzene	106	105	P/P	60 - 140
2292934	Chloroethane	90.2	85.4	P/P	50 - 140
2292934	Chloroform	112	101	P/P	70 - 140
2292934	Chloromethane	82.6	73.7	P/P	50 - 140
2292934	cis-1,2-Dichloroethene	105	97.5	P/P	70 - 140
2292934	cis-1,3-Dichloropropene	102	93.3	P/P	60 - 140
2292934	Dibromochloromethane	108	106	P/P	60 - 140
2292934	Ethylbenzene	104	104	P/P	60 - 140
2292934	m,p-Xylene	104	104	P/P	60 - 140
2292934	Methyl-t-butyl ether	99.5	87.1	P/P	60 - 140
2292934	Methylene chloride	114	102	P/P	60 - 140
2292934	o-Xylene	95.1	95.6	P/P	60 - 140
2292934	Tetrachloroethene	102	104	P/P	60 - 140
2292934	Toluene	110	99.7	P/P	60 - 140
2292934	trans-1,2-Dichloroethene	99.5	87.8	P/P	60 - 140
2292934	trans-1,3-Dichloropropene	95.2	90.8	P/P	60 - 140
2292934	Trichloroethene	109	103	P/P	70 - 140
2292934	Trichlorofluoromethane	101	92.0	P/P	50 - 140
2292934	Vinyl chloride	96.5	89.9	P/P	50 - 140

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8260D
Batch ID: P407271

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292616	1,1-Dichloroethane	94.4	95.1	P/P	70 - 130
2292616	1,1-Dichloroethene	97.8	99.3	P/P	70 - 130
2292616	1,1,1-Trichloroethane	102	102	P/P	70 - 130
2292616	1,1,2-Trichloroethane	104	108	P/P	70 - 130
2292616	1,1,2,2-Tetrachloroethane	98.0	103	P/P	60 - 140
2292616	1,2-Dichlorobenzene	90.6	94.4	P/P	70 - 130
2292616	1,2-Dichloroethane	107	106	P/P	70 - 130
2292616	1,2-Dichloropropane	102	103	P/P	70 - 130
2292616	1,3-Dichlorobenzene	98.4	103	P/P	70 - 130
2292616	1,4-Dichlorobenzene	97.2	101	P/P	70 - 130
2292616	2-Butanone	96.4	100	P/P	60 - 140
2292616	Benzene	101	101	P/P	70 - 130
2292616	Bromodichloromethane	106	105	P/P	70 - 130
2292616	Bromoform	95.8	98.4	P/P	60 - 140
2292616	Bromomethane	114	109	P/P	60 - 140
2292616	Carbon tetrachloride	103	102	P/P	70 - 130
2292616	Chlorobenzene	96.0	98.6	P/P	70 - 130
2292616	Chloroethane	121	116	P/P	60 - 140
2292616	Chloroform	101	101	P/P	70 - 130
2292616	Chloromethane	114	116	P/P	60 - 140
2292616	cis-1,2-Dichloroethene	98.4	99.6	P/P	70 - 130
2292616	cis-1,3-Dichloropropene	96.0	96.5	P/P	60 - 140
2292616	Dibromochloromethane	89.8	91.6	P/P	60 - 140
2292616	Ethylbenzene	101	103	P/P	70 - 130
2292616	m,p-Xylene	101	102	P/P	70 - 130
2292616	Methyl-t-butyl ether	94.0	97.4	P/P	60 - 140
2292616	Methylene chloride	100	101	P/P	70 - 130
2292616	o-Xylene	104	103	P/P	70 - 130
2292616	Tetrachloroethene	95.6	98.2	P/P	70 - 130
2292616	Toluene	104	103	P/P	70 - 130
2292616	trans-1,2-Dichloroethene	98.6	99.2	P/P	70 - 130
2292616	trans-1,3-Dichloropropene	95.4	99.1	P/P	60 - 140
2292616	Trichloroethene	97.3	97.6	P/P	70 - 130
2292616	Trichlorofluoromethane	114	108	P/P	60 - 140
2292616	Vinyl chloride	114	110	P/P	60 - 140

Reference Method: EPA 8270E
Batch ID: P407027

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292130	1,2,4-Trichlorobenzene	94.4	101	P/P	50 - 130
2292130	2-Chloronaphthalene	110	114	P/P	50 - 130
2292130	2-Chlorophenol	107	116	P/P	50 - 130
2292130	2-Methyl-4,6-dinitrophenol	140	150	P/P	50 - 150
2292130	2-Nitrophenol	118	126	P/P	50 - 130
2292130	2,4-Dichlorophenol	113	121	P/P	50 - 130
2292130	2,4-Dimethylphenol	104	110	P/P	50 - 130
2292130	2,4-Dinitrophenol	107	104	P/P	30 - 160
2292130	2,4-Dinitrotoluene	120	122	P/P	50 - 130
2292130	2,4,6-Trichlorophenol	124	127	P/P	50 - 130
2292130	2,6-Dinitrotoluene	140	138	F/F	50 - 130
2292130	3,3'-Dichlorobenzidine	95.9	92.2	P/P	0.0 - 200

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P407027

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292130	4-Bromophenyl phenyl ether	111	113	P/P	50 - 130
2292130	4-Chloro-3-methylphenol	104	116	P/P	50 - 130
2292130	4-Chlorophenyl phenyl ether	104	106	P/P	50 - 130
2292130	4-Nitrophenol	74.6	75.8	P/P	15 - 110
2292130	Acenaphthene	104	107	P/P	50 - 130
2292130	Acenaphthylene	105	109	P/P	50 - 130
2292130	Anthracene	118	118	P/P	50 - 130
2292130	Azobenzene/1,2-Diphenylhydrazine	122	120	P/P	50 - 130
2292130	Benzidine	8.50	8.50	P/P	0.0 - 240
2292130	Benzo(a)anthracene	111	113	P/P	50 - 130
2292130	Benzo(a)pyrene	123	129	P/P	50 - 130
2292130	Benzo(b)fluoranthene	121	124	P/P	50 - 130
2292130	Benzo(g,h,i)perylene	122	126	P/P	50 - 130
2292130	Benzo(k)fluoranthene	122	128	P/P	50 - 130
2292130	Bis(2-chloroethoxy)methane	119	128	P/P	50 - 130
2292130	Bis(2-chloroethyl)ether	103	112	P/P	50 - 160
2292130	Bis(2-chloroisopropyl)ether	99.2	109	P/P	50 - 130
2292130	Bis(2-ethylhexyl)phthalate	140	140	P/P	50 - 160
2292130	Butyl benzyl phthalate	120	124	P/P	50 - 160
2292130	Chrysene	122	123	P/P	50 - 130
2292130	Di-n-butyl phthalate	118	118	P/P	50 - 160
2292130	Di-n-octyl phthalate	124	127	P/P	50 - 130
2292130	Dibenzo(a,h)anthracene	127	123	P/P	50 - 130
2292130	Diethyl phthalate	123	123	P/P	50 - 130
2292130	Dimethyl phthalate	118	122	P/P	50 - 130
2292130	Fluoranthene	111	113	P/P	50 - 130
2292130	Fluorene	104	106	P/P	50 - 130
2292130	Hexachloroethane	84.3	90.5	P/P	40 - 130
2292130	Indeno(1,2,3-cd)pyrene	129	130	P/P	50 - 130
2292130	Isophorone	118	127	P/P	50 - 130
2292130	m,p-Cresols	121	118	P/P	50 - 130
2292130	N-Nitrosodi-n-propylamine	114	125	P/P	50 - 130
2292130	N-Nitrosodimethylamine	90.3	91.4	P/P	30 - 130
2292130	N-Nitrosodiphenylamine/ Diphenylamine	117	118	P/P	50 - 150
2292130	Naphthalene	91.4	98.9	P/P	50 - 130
2292130	Nitrobenzene	110	119	P/P	50 - 130
2292130	o-Cresol	92.8	104	P/P	50 - 130
2292130	Pentachlorophenol	119	124	P/P	50 - 130
2292130	Phenanthrene	113	113	P/P	50 - 130
2292130	Phenol	83.2	89.3	P/P	15 - 110
2292130	Pyrene	119	121	P/P	50 - 130

Reference Method: EPA 8270E
Batch ID: P407360

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2293245	1,2,4-Trichlorobenzene	98.6	96.2	P/P	40 - 140
2293245	2-Chloronaphthalene	106	105	P/P	40 - 140
2293245	2-Chlorophenol	102	97.8	P/P	40 - 140
2293245	2-Methyl-4,6-dinitrophenol	104	98.4	P/P	40 - 140
2293245	2-Nitrophenol	78.6	75.3	P/P	40 - 140
2293245	2,4-Dichlorophenol	112	112	P/P	40 - 140

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P407360

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2293245	2,4-Dimethylphenol	111	109	P/P	40 - 140
2293245	2,4-Dinitrophenol	111	111	P/P	40 - 140
2293245	2,4-Dinitrotoluene	113	110	P/P	40 - 140
2293245	2,4,6-Trichlorophenol	119	117	P/P	40 - 140
2293245	2,6-Dinitrotoluene	120	119	P/P	40 - 140
2293245	3,3'-Dichlorobenzidine	101	106	P/P	5.0 - 200
2293245	4-Bromophenyl phenyl ether	119	119	P/P	40 - 140
2293245	4-Chloro-3-methylphenol	129	127	P/P	40 - 140
2293245	4-Chlorophenyl phenyl ether	117	115	P/P	40 - 140
2293245	4-Nitrophenol	130	125	P/P	40 - 140
2293245	Acenaphthene	110	107	P/P	40 - 140
2293245	Acenaphthylene	110	107	P/P	40 - 140
2293245	Anthracene	111	108	P/P	40 - 140
2293245	Azobenzene/1,2-Diphenylhydrazine	119	117	P/P	40 - 140
2293245	Benzidine	51.6	59.8	P/P	5.0 - 200
2293245	Benzo(a)anthracene	134	130	P/P	40 - 140
2293245	Benzo(a)pyrene	114	110	P/P	40 - 140
2293245	Benzo(b)fluoranthene	118	121	P/P	40 - 140
2293245	Benzo(g,h,i)perylene	117	112	P/P	40 - 140
2293245	Benzo(k)fluoranthene	117	105	P/P	40 - 140
2293245	Bis(2-chloroethoxy)methane	105	102	P/P	40 - 140
2293245	Bis(2-chloroethyl)ether	79.5	74.8	P/P	40 - 140
2293245	Bis(2-chloroisopropyl)ether	89.0	84.2	P/P	40 - 160
2293245	Bis(2-ethylhexyl)phthalate	138	139	P/P	40 - 140
2293245	Butyl benzyl phthalate	130	125	P/P	40 - 140
2293245	Chrysene	128	125	P/P	40 - 140
2293245	Di-n-butyl phthalate	116	116	P/P	40 - 140
2293245	Di-n-octyl phthalate	117	112	P/P	40 - 140
2293245	Dibenzo(a,h)anthracene	119	115	P/P	40 - 140
2293245	Diethyl phthalate	126	122	P/P	40 - 140
2293245	Dimethyl phthalate	118	116	P/P	40 - 140
2293245	Fluoranthene	118	116	P/P	40 - 140
2293245	Fluorene	114	113	P/P	40 - 140
2293245	Hexachlorobenzene	112	110	P/P	40 - 140
2293245	Hexachlorobutadiene	96.2	93.5	P/P	40 - 140
2293245	Hexachlorocyclopentadiene	33.4	18.5	F/F	40 - 140
2293245	Hexachloroethane	73.2	59.0	P/P	40 - 140
2293245	Indeno(1,2,3-cd)pyrene	119	114	P/P	40 - 140
2293245	Isophorone	101	98.4	P/P	40 - 140
2293245	N-Nitrosodi-n-propylamine	104	99.3	P/P	40 - 140
2293245	N-Nitrosodimethylamine	90.6	84.7	P/P	40 - 140
2293245	N-Nitrosodiphenylamine/ Diphenylamine	87.7	96.0	P/P	40 - 140
2293245	Naphthalene	98.3	96.4	P/P	40 - 140
2293245	Nitrobenzene	101	97.5	P/P	40 - 140
2293245	Pentachlorophenol	133	135	P/P	40 - 140
2293245	Phenanthrene	113	111	P/P	40 - 140
2293245	Phenol	98.7	96.0	P/P	40 - 140
2293245	Pyrene	130	127	P/P	40 - 140

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: FL-PRO 2018
Batch ID: P407270

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2292913	TRPH	71.8	76.6	P/P	39 - 130

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P407000

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2291795	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	9.72	Spike	P	0 - 35
2291795	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.44	Spike	P	0 - 35
2291795	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.584	Spike	P	0 - 35
2291795	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	12.0	Spike	P	0 - 35
2291795	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.67	Spike	P	0 - 35
2291795	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.874	Spike	P	0 - 35
2291795	Hexafluoropropylene oxide dimer acid (HFPO-DA)	14.6	Spike	P	0 - 35
2291795	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	13.0	Spike	P	0 - 35
2291795	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	10.9	Spike	P	0 - 35
2291795	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.87	Spike	P	0 - 35
2291795	Perfluoro-1-butane sulfonamide (FBSA)	1.66	Spike	P	0 - 35
2291795	Perfluoro-1-hexane sulfonamide (FHxSA)	7.62	Spike	P	0 - 35
2291795	Perfluoro-1-octane sulfonamide (FOSA)	0.242	Spike	P	0 - 35
2291795	Perfluoro-3-methoxypropanoic acid (PFMPA)	5.16	Spike	P	0 - 35
2291795	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	2.05	Spike	P	0 - 35
2291795	Perfluoro-4-methoxybutanoic acid (PFMBA)	0.204	Spike	P	0 - 35
2291795	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	7.08	Spike	P	0 - 35
2291795	Perfluorobutanesulfonic acid (PFBS)	0.988	Spike	P	0 - 35
2291795	Perfluorobutanoic acid (PFBA)	3.54	Spike	P	0 - 35
2291795	Perfluorodecanesulfonic acid (PFDS)	2.32	Spike	P	0 - 35
2291795	Perfluorodecanoic acid (PFDA)	5.12	Spike	P	0 - 35
2291795	Perfluorododecanoic acid (PFDoA)	27.6	Spike	P	0 - 35
2291795	Perfluoroheptanesulfonic acid (PFHpS)	5.69	Spike	P	0 - 35
2291795	Perfluoroheptanoic acid (PFHpA)	1.77	Spike	P	0 - 35
2291795	Perfluorohexanesulfonic acid (PFHxS)	3.96	Spike	P	0 - 35
2291795	Perfluorohexanoic acid (PFHxA)	23.8	Spike	P	0 - 35
2291795	Perfluorononanesulfonic acid (PFNS)	6.79	Spike	P	0 - 35
2291795	Perfluorononanoic acid (PFNA)	2.90	Spike	P	0 - 35
2291795	Perfluorooctanesulfonic acid (PFOS)	5.31	Spike	P	0 - 35
2291795	Perfluorooctanoic acid (PFOA)	6.88	Spike	P	0 - 35
2291795	Perfluoropentanesulfonic acid (PFPeS)	0.605	Spike	P	0 - 35
2291795	Perfluoropentanoic acid (PFPeA)	11.2	Spike	P	0 - 35
2291795	Perfluoropropanesulfonic acid (PFPrS)	2.55	Spike	P	0 - 35
2291795	Perfluorotetradecanoic acid (PFTeA)	2.38	Spike	P	0 - 35
2291795	Perfluorotridecanoic acid (PFTriA)	19.2	Spike	P	0 - 35
2291795	Perfluoroundecanoic acid (PFUnA)	1.26	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3
Batch ID: P407001

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292804	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	8.26	Spike	P	0 - 35
2292804	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.822	Spike	P	0 - 35
2292804	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.47	Spike	P	0 - 35
2292804	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	9.32	Spike	P	0 - 35
2292804	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.31	Spike	P	0 - 35
2292804	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	13.8	Spike	P	0 - 35
2292804	Hexafluoropropylene oxide dimer acid (HFPO-DA)	15.3	Spike	P	0 - 35
2292804	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	6.85	Spike	P	0 - 35
2292804	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	12.9	Spike	P	0 - 35

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P407001

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292804	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.01	Spike	P	0 - 35
2292804	Perfluoro-1-butane sulfonamide (FBSA)	0.838	Spike	P	0 - 35
2292804	Perfluoro-1-hexane sulfonamide (FHxSA)	1.38	Spike	P	0 - 35
2292804	Perfluoro-1-octane sulfonamide (FOSA)	7.04	Spike	P	0 - 35
2292804	Perfluoro-3-methoxypropanoic acid (PFMPA)	18.7	Spike	P	0 - 35
2292804	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	7.40	Spike	P	0 - 35
2292804	Perfluoro-4-methoxybutanoic acid (PFMBA)	27.3	Spike	P	0 - 35
2292804	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	3.75	Spike	P	0 - 35
2292804	Perfluorobutanesulfonic acid (PFBS)	12.1	Spike	P	0 - 35
2292804	Perfluorobutanoic acid (PFBA)	6.32	Spike	P	0 - 35
2292804	Perfluorodecanesulfonic acid (PFDS)	0.0764	Spike	P	0 - 35
2292804	Perfluorodecanoic acid (PFDA)	11.2	Spike	P	0 - 35
2292804	Perfluorododecanoic acid (PFDoA)	6.09	Spike	P	0 - 35
2292804	Perfluoroheptanesulfonic acid (PFHpS)	7.17	Spike	P	0 - 35
2292804	Perfluoroheptanoic acid (PFHpA)	6.04	Spike	P	0 - 35
2292804	Perfluorohexanesulfonic acid (PFHxS)	10.1	Spike	P	0 - 35
2292804	Perfluorohexanoic acid (PFHxA)	4.89	Spike	P	0 - 35
2292804	Perfluorononanesulfonic acid (PFNS)	13.6	Spike	P	0 - 35
2292804	Perfluorononanoic acid (PFNA)	3.26	Spike	P	0 - 35
2292804	Perfluorooctanesulfonic acid (PFOS)	1.12	Spike	P	0 - 35
2292804	Perfluorooctanoic acid (PFOA)	14.4	Spike	P	0 - 35
2292804	Perfluoropentanesulfonic acid (PFPeS)	2.90	Spike	P	0 - 35
2292804	Perfluoropentanoic acid (PFPeA)	7.87	Spike	P	0 - 35
2292804	Perfluoropropanesulfonic acid (PFPrS)	3.50	Spike	P	0 - 35
2292804	Perfluorotetradecanoic acid (PFTeA)	18.4	Spike	P	0 - 35
2292804	Perfluorotridecanoic acid (PFTriA)	1.50	Spike	P	0 - 35
2292804	Perfluoroundecanoic acid (PFUnA)	4.57	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3
Batch ID: P407002

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292860	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.333	Spike	P	0 - 35
2292860	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	11.0	Spike	P	0 - 35
2292860	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	3.00	Spike	P	0 - 35
2292860	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	3.67	Spike	P	0 - 35
2292860	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	10.8	Spike	P	0 - 35
2292860	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.180	Spike	P	0 - 35
2292860	Hexafluoropropylene oxide dimer acid (HFPO-DA)	10.7	Spike	P	0 - 35
2292860	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.56	Spike	P	0 - 35
2292860	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	16.3	Spike	P	0 - 35
2292860	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	7.29	Spike	P	0 - 35
2292860	Perfluoro-1-butane sulfonamide (FBSA)	1.59	Spike	P	0 - 35
2292860	Perfluoro-1-hexane sulfonamide (FHxSA)	2.44	Spike	P	0 - 35
2292860	Perfluoro-1-octane sulfonamide (FOSA)	3.49	Spike	P	0 - 35
2292860	Perfluoro-3-methoxypropanoic acid (PFMPA)	4.05	Spike	P	0 - 35
2292860	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	3.27	Spike	P	0 - 35
2292860	Perfluoro-4-methoxybutanoic acid (PFMBA)	11.4	Spike	P	0 - 35
2292860	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	2.90	Spike	P	0 - 35
2292860	Perfluorobutanesulfonic acid (PFBS)	3.35	Spike	P	0 - 35

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P407002

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292860	Perfluorobutanoic acid (PFBA)	0.931	Spike	P	0 - 35
2292860	Perfluorodecanesulfonic acid (PFDS)	3.61	Spike	P	0 - 35
2292860	Perfluorodecanoic acid (PFDA)	16.8	Spike	P	0 - 35
2292860	Perfluorododecanoic acid (PFDoA)	6.90	Spike	P	0 - 35
2292860	Perfluoroheptanesulfonic acid (PFHpS)	15.4	Spike	P	0 - 35
2292860	Perfluoroheptanoic acid (PFHpA)	6.81	Spike	P	0 - 35
2292860	Perfluorohexanesulfonic acid (PFHxS)	0.910	Spike	P	0 - 35
2292860	Perfluorohexanoic acid (PFHxA)	3.86	Spike	P	0 - 35
2292860	Perfluorononanesulfonic acid (PFNS)	9.46	Spike	P	0 - 35
2292860	Perfluorononanoic acid (PFNA)	0.462	Spike	P	0 - 35
2292860	Perfluorooctanesulfonic acid (PFOS)	7.93	Spike	P	0 - 35
2292860	Perfluorooctanoic acid (PFOA)	8.80	Spike	P	0 - 35
2292860	Perfluoropentanesulfonic acid (PFPeS)	1.34	Spike	P	0 - 35
2292860	Perfluoropentanoic acid (PFPeA)	3.94	Spike	P	0 - 35
2292860	Perfluoropropanesulfonic acid (PFPrS)	7.47	Spike	P	0 - 35
2292860	Perfluorotetradecanoic acid (PFTeA)	8.92	Spike	P	0 - 35
2292860	Perfluorotridecanoic acid (PFTriA)	9.49	Spike	P	0 - 35
2292860	Perfluoroundecanoic acid (PFUnA)	0.509	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3
Batch ID: P407004

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292917	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	5.66	Spike	P	0 - 35
2292917	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	9.36	Spike	P	0 - 35
2292917	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	8.47	Spike	P	0 - 35
2292917	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	14.2	Spike	P	0 - 35
2292917	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	17.0	Spike	P	0 - 35
2292917	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	16.3	Spike	P	0 - 35
2292917	Hexafluoropropylene oxide dimer acid (HFPO-DA)	11.5	Spike	P	0 - 35
2292917	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	11.5	Spike	P	0 - 35
2292917	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	10.5	Spike	P	0 - 35
2292917	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	6.95	Spike	P	0 - 35
2292917	Perfluoro-1-butane sulfonamide (FBSA)	28.3	Spike	P	0 - 35
2292917	Perfluoro-1-hexane sulfonamide (FHxSA)	1.66	Spike	P	0 - 35
2292917	Perfluoro-1-octane sulfonamide (FOSA)	8.57	Spike	P	0 - 35
2292917	Perfluoro-3-methoxypropanoic acid (PFMPA)	27.8	Spike	P	0 - 35
2292917	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	12.7	Spike	P	0 - 35
2292917	Perfluoro-4-methoxybutanoic acid (PFMBA)	78.3	Spike	F	0 - 35
2292917	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.412	Spike	P	0 - 35
2292917	Perfluorobutanesulfonic acid (PFBS)	7.53	Spike	P	0 - 35
2292917	Perfluorobutanoic acid (PFBA)	2.51	Spike	P	0 - 35
2292917	Perfluorodecanesulfonic acid (PFDS)	7.77	Spike	P	0 - 35
2292917	Perfluorodecanoic acid (PFDA)	14.3	Spike	P	0 - 35
2292917	Perfluorododecanoic acid (PFDoA)	6.19	Spike	P	0 - 35
2292917	Perfluoroheptanesulfonic acid (PFHpS)	9.86	Spike	P	0 - 35
2292917	Perfluoroheptanoic acid (PFHpA)	9.14	Spike	P	0 - 35
2292917	Perfluorohexanesulfonic acid (PFHxS)	0.0415	Spike	P	0 - 35
2292917	Perfluorohexanoic acid (PFHxA)	3.84	Spike	P	0 - 35
2292917	Perfluorononanesulfonic acid (PFNS)	8.10	Spike	P	0 - 35

Quality Assurance Report
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Reference Method: DEP SOP: LC-001-3
Batch ID: P407004

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292917	Perfluorononanoic acid (PFNA)	9.32	Spike	P	0 - 35
2292917	Perfluorooctanesulfonic acid (PFOS)	11.7	Spike	P	0 - 35
2292917	Perfluorooctanoic acid (PFOA)	3.73	Spike	P	0 - 35
2292917	Perfluoropentanesulfonic acid (PFPeS)	4.63	Spike	P	0 - 35
2292917	Perfluoropentanoic acid (PFPeA)	14.7	Spike	P	0 - 35
2292917	Perfluoropropanesulfonic acid (PFPrS)	22.9	Spike	P	0 - 35
2292917	Perfluorotetradecanoic acid (PFTeA)	14.2	Spike	P	0 - 35
2292917	Perfluorotridecanoic acid (PFTriA)	9.74	Spike	P	0 - 35
2292917	Perfluoroundecanoic acid (PFUnA)	15.3	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3
Batch ID: P407140

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292071	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	8.47	Spike	P	0 - 30
2292071	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	6.04	Spike	P	0 - 30
2292071	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	14.2	Spike	P	0 - 30
2292071	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	7.88	Spike	P	0 - 30
2292071	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	14.5	Spike	P	0 - 30
2292071	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.548	Spike	P	0 - 30
2292071	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13.0	Spike	P	0 - 30
2292071	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.96	Spike	P	0 - 30
2292071	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	19.0	Spike	P	0 - 30
2292071	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.12	Spike	P	0 - 30
2292071	Perfluoro-1-butane sulfonamide (FBSA)	9.29	Spike	P	0 - 30
2292071	Perfluoro-1-hexane sulfonamide (FHxSA)	5.28	Spike	P	0 - 30
2292071	Perfluoro-1-octane sulfonamide (FOSA)	5.32	Spike	P	0 - 30
2292071	Perfluoro-3-methoxypropanoic acid (PFMPA)	0.323	Spike	P	0 - 30
2292071	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.662	Spike	P	0 - 30
2292071	Perfluoro-4-methoxybutanoic acid (PFMBA)	6.88	Spike	P	0 - 30
2292071	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	37.5	Spike	F	0 - 30
2292071	Perfluorobutanesulfonic acid (PFBS)	1.34	Spike	P	0 - 30
2292071	Perfluorobutanoic acid (PFBA)	0.484	Spike	P	0 - 30
2292071	Perfluorodecanesulfonic acid (PFDS)	7.85	Spike	P	0 - 30
2292071	Perfluorodecanoic acid (PFDA)	22.1	Spike	P	0 - 30
2292071	Perfluorododecanoic acid (PFDoA)	0.669	Spike	P	0 - 30
2292071	Perfluoroheptanesulfonic acid (PFHpS)	3.14	Spike	P	0 - 30
2292071	Perfluoroheptanoic acid (PFHpA)	0.109	Spike	P	0 - 30
2292071	Perfluorohexanesulfonic acid (PFHxS)	2.80	Spike	P	0 - 30
2292071	Perfluorohexanoic acid (PFHxA)	11.3	Spike	P	0 - 30
2292071	Perfluorononanesulfonic acid (PFNS)	12.6	Spike	P	0 - 30
2292071	Perfluorononanoic acid (PFNA)	11.8	Spike	P	0 - 30
2292071	Perfluorooctanesulfonic acid (PFOS)	1.31	Spike	P	0 - 30
2292071	Perfluorooctanoic acid (PFOA)	6.95	Spike	P	0 - 30
2292071	Perfluoropentanesulfonic acid (PFPeS)	38.5	Spike	F	0 - 30
2292071	Perfluoropentanoic acid (PFPeA)	17.3	Spike	P	0 - 30
2292071	Perfluoropropanesulfonic acid (PFPrS)	25.0	Spike	P	0 - 30
2292071	Perfluorotetradecanoic acid (PFTeA)	2.38	Spike	P	0 - 30
2292071	Perfluorotridecanoic acid (PFTriA)	26.7	Spike	P	0 - 30
2292071	Perfluoroundecanoic acid (PFUnA)	14.8	Spike	P	0 - 30

Quality Assurance Report
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Reference Method: DEP SOP: LC-001-3
Batch ID: P407141

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2293181	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	9.54	Spike	P	0 - 30
2293181	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	14.2	Spike	P	0 - 30
2293181	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	3.80	Spike	P	0 - 30
2293181	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	13.7	Spike	P	0 - 30
2293181	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.71	Spike	P	0 - 30
2293181	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.16	Spike	P	0 - 30
2293181	Hexafluoropropylene oxide dimer acid (HFPO-DA)	24.9	Spike	P	0 - 30
2293181	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	17.0	Spike	P	0 - 30
2293181	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.70	Spike	P	0 - 30
2293181	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.15	Spike	P	0 - 30
2293181	Perfluoro-1-butane sulfonamide (FBSA)	13.0	Spike	P	0 - 30
2293181	Perfluoro-1-hexane sulfonamide (FHxSA)	14.0	Spike	P	0 - 30
2293181	Perfluoro-1-octane sulfonamide (FOSA)	15.6	Spike	P	0 - 30
2293181	Perfluoro-3-methoxypropanoic acid (PFMPA)	6.47	Spike	P	0 - 30
2293181	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	13.0	Spike	P	0 - 30
2293181	Perfluoro-4-methoxybutanoic acid (PFMBA)	1.73	Spike	P	0 - 30
2293181	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	11.0	Spike	P	0 - 30
2293181	Perfluorobutanesulfonic acid (PFBS)	7.66	Spike	P	0 - 30
2293181	Perfluorobutanoic acid (PFBA)	11.0	Spike	P	0 - 30
2293181	Perfluorodecanesulfonic acid (PFDS)	3.21	Spike	P	0 - 30
2293181	Perfluorodecanoic acid (PFDA)	6.47	Spike	P	0 - 30
2293181	Perfluorododecanoic acid (PFDoA)	1.94	Spike	P	0 - 30
2293181	Perfluoroheptanesulfonic acid (PFHpS)	9.31	Spike	P	0 - 30
2293181	Perfluoroheptanoic acid (PFHpA)	9.70	Spike	P	0 - 30
2293181	Perfluorohexanesulfonic acid (PFHxS)	11.2	Spike	P	0 - 30
2293181	Perfluorohexanoic acid (PFHxA)	6.05	Spike	P	0 - 30
2293181	Perfluorononanesulfonic acid (PFNS)	1.70	Spike	P	0 - 30
2293181	Perfluorononanoic acid (PFNA)	11.1	Spike	P	0 - 30
2293181	Perfluorooctanesulfonic acid (PFOS)	5.73	Spike	P	0 - 30
2293181	Perfluorooctanoic acid (PFOA)	6.80	Spike	P	0 - 30
2293181	Perfluoropentanesulfonic acid (PFPeS)	8.13	Spike	P	0 - 30
2293181	Perfluoropentanoic acid (PFPeA)	5.46	Spike	P	0 - 30
2293181	Perfluoropropanesulfonic acid (PFPrS)	0.552	Spike	P	0 - 30
2293181	Perfluorotetradecanoic acid (PFTeA)	11.0	Spike	P	0 - 30
2293181	Perfluorotridecanoic acid (PFTriA)	25.4	Spike	P	0 - 30
2293181	Perfluoroundecanoic acid (PFUnA)	27.5	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3
Batch ID: P407462

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292981	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	5.82	Spike	P	0 - 35
2292981	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	21.3	Spike	P	0 - 35
2292981	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	9.31	Spike	P	0 - 35
2292981	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	14.9	Spike	P	0 - 35
2292981	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	27.9	Spike	P	0 - 35
2292981	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	6.11	Spike	P	0 - 35
2292981	Hexafluoropropylene oxide dimer acid (HFPO-DA)	5.72	Spike	P	0 - 35
2292981	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.19	Spike	P	0 - 35
2292981	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	23.3	Spike	P	0 - 35

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Reference Method: DEP SOP: LC-001-3
Batch ID: P407462

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292981	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	14.7	Spike	P	0 - 35
2292981	Perfluoro-1-butane sulfonamide (FBSA)	26.0	Spike	P	0 - 35
2292981	Perfluoro-1-hexane sulfonamide (FHxSA)	7.03	Spike	P	0 - 35
2292981	Perfluoro-1-octane sulfonamide (FOSA)	4.80	Spike	P	0 - 35
2292981	Perfluoro-3-methoxypropanoic acid (PFMPA)	5.23	Spike	P	0 - 35
2292981	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	10.6	Spike	P	0 - 35
2292981	Perfluoro-4-methoxybutanoic acid (PFMBA)	50.0	Spike	F	0 - 35
2292981	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	27.2	Spike	P	0 - 35
2292981	Perfluorobutanesulfonic acid (PFBS)	0.802	Spike	P	0 - 35
2292981	Perfluorobutanoic acid (PFBA)	0.212	Spike	P	0 - 35
2292981	Perfluorodecanesulfonic acid (PFDS)	3.47	Spike	P	0 - 35
2292981	Perfluorodecanoic acid (PFDA)	29.7	Spike	P	0 - 35
2292981	Perfluorododecanoic acid (PFDoA)	5.03	Spike	P	0 - 35
2292981	Perfluoroheptanesulfonic acid (PFHpS)	7.71	Spike	P	0 - 35
2292981	Perfluoroheptanoic acid (PFHpA)	26.8	Spike	P	0 - 35
2292981	Perfluorohexanesulfonic acid (PFHxS)	2.93	Spike	P	0 - 35
2292981	Perfluorohexanoic acid (PFHxA)	3.48	Spike	P	0 - 35
2292981	Perfluorononanesulfonic acid (PFNS)	8.76	Spike	P	0 - 35
2292981	Perfluorononanoic acid (PFNA)	24.8	Spike	P	0 - 35
2292981	Perfluorooctanesulfonic acid (PFOS)	5.32	Spike	P	0 - 35
2292981	Perfluorooctanoic acid (PFOA)	11.1	Spike	P	0 - 35
2292981	Perfluoropentanesulfonic acid (PFPeS)	2.67	Spike	P	0 - 35
2292981	Perfluoropentanoic acid (PFPeA)	7.97	Spike	P	0 - 35
2292981	Perfluoropropanesulfonic acid (PFPrS)	24.4	Spike	P	0 - 35
2292981	Perfluorotetradecanoic acid (PFTeA)	2.11	Spike	P	0 - 35
2292981	Perfluorotridecanoic acid (PFTriA)	23.5	Spike	P	0 - 35
2292981	Perfluoroundecanoic acid (PFUnA)	21.9	Spike	P	0 - 35

Reference Method: EPA 8260D
Batch ID: P407143

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292934	1,1-Dichloroethane	9.86	Spike	P	0 - 30
2292934	1,1-Dichloroethene	9.19	Spike	P	0 - 30
2292934	1,1,1-Trichloroethane	8.57	Spike	P	0 - 30
2292934	1,1,2-Trichloroethane	5.98	Spike	P	0 - 30
2292934	1,1,2,2-Tetrachloroethane	6.72	Spike	P	0 - 30
2292934	1,2-Dichlorobenzene	0.599	Spike	P	0 - 30
2292934	1,2-Dichloroethane	8.92	Spike	P	0 - 30
2292934	1,2-Dichloropropane	8.28	Spike	P	0 - 30
2292934	1,3-Dichlorobenzene	0.545	Spike	P	0 - 30
2292934	1,4-Dichlorobenzene	0.967	Spike	P	0 - 30
2292934	2-Butanone	17.6	Spike	P	0 - 30
2292934	Benzene	8.73	Spike	P	0 - 30
2292934	Bromodichloromethane	9.97	Spike	P	0 - 30
2292934	Bromoform	4.69	Spike	P	0 - 30
2292934	Bromomethane	9.90	Spike	P	0 - 30
2292934	Carbon tetrachloride	8.78	Spike	P	0 - 30
2292934	Chlorobenzene	1.29	Spike	P	0 - 30
2292934	Chloroethane	5.44	Spike	P	0 - 30

Quality Assurance Report
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Reference Method: EPA 8260D
Batch ID: P407143

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292934	Chloroform	9.90	Spike	P	0 - 30
2292934	Chloromethane	11.3	Spike	P	0 - 30
2292934	cis-1,2-Dichloroethene	7.83	Spike	P	0 - 30
2292934	cis-1,3-Dichloropropene	8.88	Spike	P	0 - 30
2292934	Dibromochloromethane	1.45	Spike	P	0 - 30
2292934	Ethylbenzene	0.163	Spike	P	0 - 30
2292934	m,p-Xylene	0.297	Spike	P	0 - 30
2292934	Methyl-t-butyl ether	13.3	Spike	P	0 - 30
2292934	Methylene chloride	11.7	Spike	P	0 - 30
2292934	o-Xylene	0.472	Spike	P	0 - 30
2292934	Tetrachloroethene	1.72	Spike	P	0 - 30
2292934	Toluene	9.62	Spike	P	0 - 30
2292934	trans-1,2-Dichloroethene	12.5	Spike	P	0 - 30
2292934	trans-1,3-Dichloropropene	4.71	Spike	P	0 - 30
2292934	Trichloroethene	6.24	Spike	P	0 - 30
2292934	Trichlorofluoromethane	9.15	Spike	P	0 - 30
2292934	Vinyl chloride	7.04	Spike	P	0 - 30
LFB	1,1-Dichloroethane	3.84	LCS	P	0 - 30
LFB	1,1-Dichloroethene	2.19	LCS	P	0 - 30
LFB	1,1,1-Trichloroethane	1.16	LCS	P	0 - 30
LFB	1,1,2-Trichloroethane	7.78	LCS	P	0 - 30
LFB	1,1,2,2-Tetrachloroethane	3.82	LCS	P	0 - 30
LFB	1,2-Dichlorobenzene	3.89	LCS	P	0 - 30
LFB	1,2-Dichloroethane	4.46	LCS	P	0 - 30
LFB	1,2-Dichloropropane	5.29	LCS	P	0 - 30
LFB	1,3-Dichlorobenzene	2.31	LCS	P	0 - 30
LFB	1,4-Dichlorobenzene	2.46	LCS	P	0 - 30
LFB	2-Butanone	2.97	LCS	P	0 - 30
LFB	Benzene	3.10	LCS	P	0 - 30
LFB	Bromodichloromethane	4.24	LCS	P	0 - 30
LFB	Bromoform	5.80	LCS	P	0 - 30
LFB	Bromomethane	0.590	LCS	P	0 - 30
LFB	Carbon tetrachloride	1.36	LCS	P	0 - 30
LFB	Chlorobenzene	4.18	LCS	P	0 - 30
LFB	Chloroethane	0.952	LCS	P	0 - 30
LFB	Chloroform	3.77	LCS	P	0 - 30
LFB	Chloromethane	1.80	LCS	P	0 - 30
LFB	cis-1,2-Dichloroethene	6.77	LCS	P	0 - 30
LFB	cis-1,3-Dichloropropene	4.04	LCS	P	0 - 30
LFB	Dibromochloromethane	6.23	LCS	P	0 - 30
LFB	Ethylbenzene	3.25	LCS	P	0 - 30
LFB	m,p-Xylene	3.76	LCS	P	0 - 30
LFB	Methyl-t-butyl ether	3.24	LCS	P	0 - 30
LFB	Methylene chloride	6.00	LCS	P	0 - 30
LFB	o-Xylene	4.57	LCS	P	0 - 30
LFB	Tetrachloroethene	1.15	LCS	P	0 - 30
LFB	Toluene	2.66	LCS	P	0 - 30
LFB	trans-1,2-Dichloroethene	4.15	LCS	P	0 - 30
LFB	trans-1,3-Dichloropropene	6.75	LCS	P	0 - 30
LFB	Trichloroethene	1.18	LCS	P	0 - 30
LFB	Trichlorofluoromethane	0.982	LCS	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8260D
Batch ID: P407143

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Vinyl chloride	1.34	LCS	P	0 - 30

Reference Method: EPA 8260D
Batch ID: P407271

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292616	1,1-Dichloroethane	0.792	Spike	P	0 - 30
2292616	1,1-Dichloroethene	1.57	Spike	P	0 - 30
2292616	1,1,1-Trichloroethane	0.147	Spike	P	0 - 30
2292616	1,1,2-Trichloroethane	3.26	Spike	P	0 - 30
2292616	1,1,2,2-Tetrachloroethane	4.49	Spike	P	0 - 30
2292616	1,2-Dichlorobenzene	4.16	Spike	P	0 - 30
2292616	1,2-Dichloroethane	0.892	Spike	P	0 - 30
2292616	1,2-Dichloropropane	0.293	Spike	P	0 - 30
2292616	1,3-Dichlorobenzene	4.57	Spike	P	0 - 30
2292616	1,4-Dichlorobenzene	4.28	Spike	P	0 - 30
2292616	2-Butanone	3.68	Spike	P	0 - 40
2292616	Benzene	0.0991	Spike	P	0 - 30
2292616	Bromodichloromethane	0.666	Spike	P	0 - 30
2292616	Bromoform	2.68	Spike	P	0 - 30
2292616	Bromomethane	4.54	Spike	P	0 - 40
2292616	Carbon tetrachloride	0.584	Spike	P	0 - 30
2292616	Chlorobenzene	2.67	Spike	P	0 - 30
2292616	Chloroethane	4.81	Spike	P	0 - 40
2292616	Chloroform	0.197	Spike	P	0 - 30
2292616	Chloromethane	1.30	Spike	P	0 - 40
2292616	cis-1,2-Dichloroethene	1.21	Spike	P	0 - 30
2292616	cis-1,3-Dichloropropene	0.467	Spike	P	0 - 30
2292616	Dibromochloromethane	1.93	Spike	P	0 - 30
2292616	Ethylbenzene	1.62	Spike	P	0 - 30
2292616	m,p-Xylene	0.892	Spike	P	0 - 30
2292616	Methyl-t-butyl ether	3.66	Spike	P	0 - 30
2292616	Methylene chloride	0.744	Spike	P	0 - 30
2292616	o-Xylene	0.191	Spike	P	0 - 30
2292616	Tetrachloroethene	2.79	Spike	P	0 - 30
2292616	Toluene	0.776	Spike	P	0 - 30
2292616	trans-1,2-Dichloroethene	0.657	Spike	P	0 - 30
2292616	trans-1,3-Dichloropropene	3.86	Spike	P	0 - 30
2292616	Trichloroethene	0.308	Spike	P	0 - 30
2292616	Trichlorofluoromethane	5.58	Spike	P	0 - 40
2292616	Vinyl chloride	3.98	Spike	P	0 - 40
LFB	1,1-Dichloroethane	3.61	LCS	P	0 - 30
LFB	1,1-Dichloroethene	4.19	LCS	P	0 - 30
LFB	1,1,1-Trichloroethane	2.50	LCS	P	0 - 30
LFB	1,1,2-Trichloroethane	10.9	LCS	P	0 - 30
LFB	1,1,2,2-Tetrachloroethane	3.70	LCS	P	0 - 30
LFB	1,2-Dichlorobenzene	5.35	LCS	P	0 - 30
LFB	1,2-Dichloroethane	2.16	LCS	P	0 - 30
LFB	1,2-Dichloropropane	2.24	LCS	P	0 - 30
LFB	1,3-Dichlorobenzene	6.35	LCS	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8260D
Batch ID: P407271

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	1,4-Dichlorobenzene	4.99	LCS	P	0 - 30
LFB	2-Butanone	2.63	LCS	P	0 - 40
LFB	Benzene	3.81	LCS	P	0 - 30
LFB	Bromodichloromethane	1.62	LCS	P	0 - 30
LFB	Bromoform	1.81	LCS	P	0 - 30
LFB	Bromomethane	3.96	LCS	P	0 - 40
LFB	Carbon tetrachloride	2.77	LCS	P	0 - 30
LFB	Chlorobenzene	3.91	LCS	P	0 - 30
LFB	Chloroethane	1.01	LCS	P	0 - 40
LFB	Chloroform	2.86	LCS	P	0 - 30
LFB	Chloromethane	3.42	LCS	P	0 - 40
LFB	cis-1,2-Dichloroethene	3.62	LCS	P	0 - 30
LFB	cis-1,3-Dichloropropene	2.79	LCS	P	0 - 30
LFB	Dibromochloromethane	2.67	LCS	P	0 - 30
LFB	Ethylbenzene	3.43	LCS	P	0 - 30
LFB	m,p-Xylene	2.73	LCS	P	0 - 30
LFB	Methyl-t-butyl ether	4.78	LCS	P	0 - 30
LFB	Methylene chloride	2.52	LCS	P	0 - 30
LFB	o-Xylene	3.83	LCS	P	0 - 30
LFB	Tetrachloroethene	4.41	LCS	P	0 - 30
LFB	Toluene	2.81	LCS	P	0 - 30
LFB	trans-1,2-Dichloroethene	4.45	LCS	P	0 - 30
LFB	trans-1,3-Dichloropropene	3.07	LCS	P	0 - 30
LFB	Trichloroethene	4.16	LCS	P	0 - 30
LFB	Trichlorofluoromethane	0.0869	LCS	P	0 - 40
LFB	Vinyl chloride	2.68	LCS	P	0 - 40

Reference Method: EPA 8270E
Batch ID: P407027

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292130	1,2,4-Trichlorobenzene	7.05	Spike	P	0 - 40
2292130	2-Chloronaphthalene	4.02	Spike	P	0 - 40
2292130	2-Chlorophenol	7.96	Spike	P	0 - 40
2292130	2-Methyl-4,6-dinitrophenol	6.42	Spike	P	0 - 40
2292130	2-Nitrophenol	6.87	Spike	P	0 - 40
2292130	2,4-Dichlorophenol	6.94	Spike	P	0 - 40
2292130	2,4-Dimethylphenol	5.43	Spike	P	0 - 40
2292130	2,4-Dinitrophenol	2.57	Spike	P	0 - 40
2292130	2,4-Dinitrotoluene	2.15	Spike	P	0 - 40
2292130	2,4,6-Trichlorophenol	2.55	Spike	P	0 - 40
2292130	2,6-Dinitrotoluene	1.51	Spike	P	0 - 40
2292130	3,3'-Dichlorobenzidine	3.93	Spike	P	0 - 40
2292130	4-Bromophenyl phenyl ether	1.70	Spike	P	0 - 40
2292130	4-Chloro-3-methylphenol	10.5	Spike	P	0 - 40
2292130	4-Chlorophenyl phenyl ether	1.33	Spike	P	0 - 40
2292130	4-Nitrophenol	1.60	Spike	P	0 - 40
2292130	Acenaphthene	2.83	Spike	P	0 - 40
2292130	Acenaphthylene	3.36	Spike	P	0 - 40
2292130	Anthracene	0.0846	Spike	P	0 - 40

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P407027

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292130	Azobenzene/1,2-Diphenylhydrazine	1.16	Spike	P	0 - 40
2292130	Benzidine	0.0	Spike	P	0 - 40
2292130	Benzo(a)anthracene	1.24	Spike	P	0 - 40
2292130	Benzo(a)pyrene	4.60	Spike	P	0 - 40
2292130	Benzo(b)fluoranthene	2.04	Spike	P	0 - 40
2292130	Benzo(g,h,i)perylene	3.07	Spike	P	0 - 40
2292130	Benzo(k)fluoranthene	5.28	Spike	P	0 - 40
2292130	Bis(2-chloroethoxy)methane	7.20	Spike	P	0 - 40
2292130	Bis(2-chloroethyl)ether	8.18	Spike	P	0 - 40
2292130	Bis(2-chloroisopropyl)ether	9.41	Spike	P	0 - 40
2292130	Bis(2-ethylhexyl)phthalate	0.357	Spike	P	0 - 40
2292130	Butyl benzyl phthalate	4.10	Spike	P	0 - 40
2292130	Chrysene	1.05	Spike	P	0 - 40
2292130	Di-n-butyl phthalate	0.423	Spike	P	0 - 40
2292130	Di-n-octyl phthalate	2.23	Spike	P	0 - 40
2292130	Dibenzo(a,h)anthracene	3.28	Spike	P	0 - 40
2292130	Diethyl phthalate	0.163	Spike	P	0 - 40
2292130	Dimethyl phthalate	2.67	Spike	P	0 - 40
2292130	Fluoranthene	1.60	Spike	P	0 - 40
2292130	Fluorene	2.10	Spike	P	0 - 40
2292130	Hexachloroethane	7.09	Spike	P	0 - 40
2292130	Indeno(1,2,3-cd)pyrene	0.619	Spike	P	0 - 40
2292130	Isophorone	6.61	Spike	P	0 - 40
2292130	m,p-Cresols	2.80	Spike	P	0 - 40
2292130	N-Nitrosodi-n-propylamine	9.32	Spike	P	0 - 40
2292130	N-Nitrosodimethylamine	1.21	Spike	P	0 - 40
2292130	N-Nitrosodiphenylamine/ Diphenylamine	0.853	Spike	P	0 - 40
2292130	Naphthalene	7.88	Spike	P	0 - 40
2292130	Nitrobenzene	7.59	Spike	P	0 - 40
2292130	o-Cresol	11.1	Spike	P	0 - 40
2292130	Pentachlorophenol	4.69	Spike	P	0 - 40
2292130	Phenanthrene	0.265	Spike	P	0 - 40
2292130	Phenol	7.07	Spike	P	0 - 40
2292130	Pyrene	2.17	Spike	P	0 - 40

Reference Method: EPA 8270E
Batch ID: P407360

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2293245	1,2,4-Trichlorobenzene	2.47	Spike	P	0 - 40
2293245	2-Chloronaphthalene	1.40	Spike	P	0 - 40
2293245	2-Chlorophenol	3.81	Spike	P	0 - 40
2293245	2-Methyl-4,6-dinitrophenol	5.15	Spike	P	0 - 40
2293245	2-Nitrophenol	4.31	Spike	P	0 - 40
2293245	2,4-Dichlorophenol	0.465	Spike	P	0 - 40
2293245	2,4-Dimethylphenol	1.63	Spike	P	0 - 40
2293245	2,4-Dinitrophenol	0.721	Spike	P	0 - 40
2293245	2,4-Dinitrotoluene	2.72	Spike	P	0 - 40
2293245	2,4,6-Trichlorophenol	2.03	Spike	P	0 - 40
2293245	2,6-Dinitrotoluene	0.636	Spike	P	0 - 40

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P407360

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2293245	3,3'-Dichlorobenzidine	4.64	Spike	P	0 - 40
2293245	4-Bromophenyl phenyl ether	0.370	Spike	P	0 - 40
2293245	4-Chloro-3-methylphenol	2.28	Spike	P	0 - 40
2293245	4-Chlorophenyl phenyl ether	1.69	Spike	P	0 - 40
2293245	4-Nitrophenol	3.77	Spike	P	0 - 40
2293245	Acenaphthene	2.47	Spike	P	0 - 40
2293245	Acenaphthylene	2.36	Spike	P	0 - 40
2293245	Anthracene	2.08	Spike	P	0 - 40
2293245	Azobenzene/1,2-Diphenylhydrazine	1.90	Spike	P	0 - 40
2293245	Benzidine	14.7	Spike	P	0 - 40
2293245	Benzo(a)anthracene	3.09	Spike	P	0 - 40
2293245	Benzo(a)pyrene	3.41	Spike	P	0 - 40
2293245	Benzo(b)fluoranthene	2.49	Spike	P	0 - 40
2293245	Benzo(g,h,i)perylene	4.85	Spike	P	0 - 40
2293245	Benzo(k)fluoranthene	10.0	Spike	P	0 - 40
2293245	Bis(2-chloroethoxy)methane	2.44	Spike	P	0 - 40
2293245	Bis(2-chloroethyl)ether	6.06	Spike	P	0 - 40
2293245	Bis(2-chloroisopropyl)ether	5.50	Spike	P	0 - 40
2293245	Bis(2-ethylhexyl)phthalate	0.519	Spike	P	0 - 40
2293245	Butyl benzyl phthalate	4.45	Spike	P	0 - 40
2293245	Chrysene	2.98	Spike	P	0 - 40
2293245	Di-n-butyl phthalate	0.552	Spike	P	0 - 40
2293245	Di-n-octyl phthalate	4.26	Spike	P	0 - 40
2293245	Dibenzo(a,h)anthracene	3.68	Spike	P	0 - 40
2293245	Diethyl phthalate	2.71	Spike	P	0 - 40
2293245	Dimethyl phthalate	1.92	Spike	P	0 - 40
2293245	Fluoranthene	2.23	Spike	P	0 - 40
2293245	Fluorene	0.988	Spike	P	0 - 40
2293245	Hexachlorobenzene	2.23	Spike	P	0 - 40
2293245	Hexachlorobutadiene	2.91	Spike	P	0 - 40
2293245	Hexachlorocyclopentadiene	57.4	Spike	F	0 - 40
2293245	Hexachloroethane	21.4	Spike	P	0 - 40
2293245	Indeno(1,2,3-cd)pyrene	4.08	Spike	P	0 - 40
2293245	Isophorone	2.65	Spike	P	0 - 40
2293245	N-Nitrosodi-n-propylamine	5.07	Spike	P	0 - 40
2293245	N-Nitrosodimethylamine	6.71	Spike	P	0 - 40
2293245	N-Nitrosodiphenylamine/ Diphenylamine	8.97	Spike	P	0 - 40
2293245	Naphthalene	1.93	Spike	P	0 - 40
2293245	Nitrobenzene	3.15	Spike	P	0 - 40
2293245	Pentachlorophenol	1.31	Spike	P	0 - 40
2293245	Phenanthrene	1.71	Spike	P	0 - 40
2293245	Phenol	2.71	Spike	P	0 - 40
2293245	Pyrene	2.59	Spike	P	0 - 40

Reference Method: FL-PRO 2018
Batch ID: P407161

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	TRPH	12.8	LCS	P	0 - 20

Quality Assurance Report
Precision

Reference Method: FL-PRO 2018
Batch ID: P407270

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2292913	TRPH	6.39	Spike	P	0 - 25
LFB	TRPH	1.17	LCS	P	0 - 25

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report
Surrogates

Lab Sample ID: 2292794
Field Sample ID: DEPSB - 82 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	84.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	64.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	128	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	78.0	P	30 - 160

Lab Sample ID: 2292795
Field Sample ID: DEPSB - 82 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	78.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.7	P	30 - 160

Lab Sample ID: 2292796
Field Sample ID: DEPSB - 82 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.2	P	30 - 160

Lab Sample ID: 2292797
Field Sample ID: DEPSB - 83 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	63.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.0	P	30 - 160

Lab Sample ID: 2292798
Field Sample ID: DEPSB - 83 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	89.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	96.8	P	30 - 160

Lab Sample ID: 2292799
Field Sample ID: DEPSB - 84 - 0.5

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	Perfluorobutanesulfonate-13C	102	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2292799
Field Sample ID: DEPSB - 84 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	97.4	P	30 - 160

Lab Sample ID: 2292800
Field Sample ID: DEPSB - 84 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.0	P	30 - 160

Lab Sample ID: 2292801
Field Sample ID: DEPSB - 84 - 2.5

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	Perfluorobutanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	91.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	82.1	P	30 - 160

Lab Sample ID: 2292802
Field Sample ID: DEPSB - 85 - 0.5

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	Perfluorobutanesulfonate-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	101	P	30 - 160

Lab Sample ID: 2292803
Field Sample ID: DEPSB - 85 - 2.0

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	Perfluorobutanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	91.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	91.8	P	30 - 160

Lab Sample ID: 2292804
Field Sample ID: DEPSB - 85 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	65.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	65.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2292804
Field Sample ID: DEPSB - 85 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	61.8	P	30 - 160

Lab Sample ID: 2292805
Field Sample ID: DEPSB - 86 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	70.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	97.2	P	30 - 160

Lab Sample ID: 2292806
Field Sample ID: DEPSB - 86 - 2.0

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	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	82.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.3	P	30 - 160

Lab Sample ID: 2292807
Field Sample ID: DEPSB - 86 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	81.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.9	P	30 - 160

Lab Sample ID: 2292808
Field Sample ID: DEPSB - 87 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	78.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	68.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.0	P	30 - 160

Lab Sample ID: 2292809
Field Sample ID: DEPSB - 87 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	96.8	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2292810
Field Sample ID: DEPSB - 87 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	76.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	80.9	P	30 - 160

Lab Sample ID: 2292811
Field Sample ID: DEPSB - 88 - 0.5

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	Perfluorobutanesulfonate-13C	124	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	90.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	133	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.2	P	30 - 160

Lab Sample ID: 2292812
Field Sample ID: DEPSB - 88 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	67.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	83.8	P	30 - 160

Lab Sample ID: 2292813
Field Sample ID: DEPSB - 88 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	97.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.1	P	30 - 160

Lab Sample ID: 2292814
Field Sample ID: DEPSB - 89 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	89.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.6	P	30 - 160

Lab Sample ID: 2292815
Field Sample ID: DEPSB - 89 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160

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Lab Sample ID: 2292815
Field Sample ID: DEPSB - 89 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	98.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.5	P	30 - 160

Lab Sample ID: 2292816
Field Sample ID: DEPSB - 89 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	82.5	P	30 - 160

Lab Sample ID: 2292817
Field Sample ID: DEPSB - 90 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	79.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.3	P	30 - 160

Lab Sample ID: 2292854
Field Sample ID: DEPSB - 90 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	80.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	80.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	90.0	P	30 - 160

Lab Sample ID: 2292855
Field Sample ID: DEPSB - 90 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	92.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	75.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	76.7	P	30 - 160

Lab Sample ID: 2292856
Field Sample ID: DEPSB - 91 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	79.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	87.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	107	P	30 - 160

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Lab Sample ID: 2292856
Field Sample ID: DEPSB - 91 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	94.2	P	30 - 160

Lab Sample ID: 2292857
Field Sample ID: DEPSB - 91 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	98.9	P	30 - 160

Lab Sample ID: 2292858
Field Sample ID: DEPSB - 91 - 2.5

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	Perfluorobutanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.7	P	30 - 160

Lab Sample ID: 2292859
Field Sample ID: DEPSB - 92 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	69.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	74.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	93.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	77.2	P	30 - 160

Lab Sample ID: 2292860
Field Sample ID: DEPSB - 92 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	70.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	82.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.2	P	30 - 160

Lab Sample ID: 2292861
Field Sample ID: DEPSB - 93 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	81.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	100	P	30 - 160

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Lab Sample ID: 2292862
Field Sample ID: DEPSB - 93 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.3	P	30 - 160

Lab Sample ID: 2292863
Field Sample ID: DEPSB - 93 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	93.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	95.4	P	30 - 160

Lab Sample ID: 2292864
Field Sample ID: DEPSB - 94 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	71.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	98.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.2	P	30 - 160

Lab Sample ID: 2292865
Field Sample ID: DEPSB - 94 - 1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	70.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.3	P	30 - 160

Lab Sample ID: 2292866
Field Sample ID: DEPSB - 95 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	66.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	98.0	P	30 - 160

Lab Sample ID: 2292867
Field Sample ID: DEPSB - 95 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	87.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	108	P	30 - 160

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Lab Sample ID: 2292867
Field Sample ID: DEPSB - 95 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	91.6	P	30 - 160

Lab Sample ID: 2292868
Field Sample ID: DEPSB - 96 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	99.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	99.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.9	P	30 - 160

Lab Sample ID: 2292869
Field Sample ID: DEPSB - 96 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	83.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	96.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.6	P	30 - 160

Lab Sample ID: 2292870
Field Sample ID: DEPSB - 97 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.8	P	30 - 160

Lab Sample ID: 2292871
Field Sample ID: DEPSB - 97 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	85.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.2	P	30 - 160

Lab Sample ID: 2292872
Field Sample ID: DEPSB - 98 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	87.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160

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Lab Sample ID: 2292872
Field Sample ID: DEPSB - 98 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.4	P	30 - 160

Lab Sample ID: 2292873
Field Sample ID: DEPSB - 98 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	72.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	86.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.1	P	30 - 160

Lab Sample ID: 2292874
Field Sample ID: DEPSB - 99 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	91.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.1	P	30 - 160

Lab Sample ID: 2292875
Field Sample ID: DEPSB - 99 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	83.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	96.7	P	30 - 160

Lab Sample ID: 2292876
Field Sample ID: DEPSB - 100 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	97.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	82.4	P	30 - 160

Lab Sample ID: 2292877
Field Sample ID: DEPSB - 100 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	76.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.9	P	30 - 160

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Lab Sample ID: 2292909
Field Sample ID: DEPSB - 107 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	88.8	P	30 - 150
EPA 8270E	2-Fluorophenol	109	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	146	P	30 - 150
EPA 8270E	Nitrobenzene-d5	111	P	30 - 150
EPA 8270E	Phenol-d5	121	P	20 - 150
EPA 8270E	Terphenyl-d14	98.5	P	30 - 150
FL-PRO 2018	Nonatriacontane(C39)	105	P	36 - 132
FL-PRO 2018	o-Terphenyl	66.9	P	66 - 136

Lab Sample ID: 2292910
Field Sample ID: DEPSB - 107 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	67.4	P	30 - 150
EPA 8270E	2-Fluorophenol	89.6	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	107	P	30 - 150
EPA 8270E	Nitrobenzene-d5	88.5	P	30 - 150
EPA 8270E	Phenol-d5	95.1	P	20 - 150
EPA 8270E	Terphenyl-d14	80.7	P	30 - 150
FL-PRO 2018	Nonatriacontane(C39)	117	P	36 - 132
FL-PRO 2018	o-Terphenyl	80.1	P	66 - 136

Lab Sample ID: 2292911
Field Sample ID: DEPSB - 107 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	65.8	P	30 - 150
EPA 8270E	2-Fluorophenol	82.1	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	105	P	30 - 150
EPA 8270E	Nitrobenzene-d5	82.4	P	30 - 150
EPA 8270E	Phenol-d5	90.1	P	20 - 150
EPA 8270E	Terphenyl-d14	75.5	P	30 - 150
FL-PRO 2018	Nonatriacontane(C39)	58.3	P	36 - 132
FL-PRO 2018	o-Terphenyl	69.9	P	66 - 136

Lab Sample ID: 2292912
Field Sample ID: DEPSB - 108 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	64.4	P	30 - 150
EPA 8270E	2-Fluorophenol	79.2	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	105	P	30 - 150
EPA 8270E	Nitrobenzene-d5	80.8	P	30 - 150
EPA 8270E	Phenol-d5	87.7	P	20 - 150
EPA 8270E	Terphenyl-d14	71.5	P	30 - 150
FL-PRO 2018	Nonatriacontane(C39)	117	P	36 - 132
FL-PRO 2018	o-Terphenyl	74.2	P	66 - 136

Lab Sample ID: 2292913
Field Sample ID: DEPSB - 108 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits

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Lab Sample ID: 2292913
Field Sample ID: DEPSB - 108 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	101	P	30 - 150
EPA 8270E	2-Fluorophenol	88.6	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	95.9	P	30 - 150
EPA 8270E	Nitrobenzene-d5	93.4	P	30 - 150
EPA 8270E	Phenol-d5	93.4	P	20 - 150
EPA 8270E	Terphenyl-d14	90.7	P	30 - 150
FL-PRO 2018	Nonatriacontane(C39)	110	P	36 - 132
FL-PRO 2018	o-Terphenyl	78.0	P	66 - 136

Lab Sample ID: 2292914
Field Sample ID: DEPSB - 108 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	89.2	P	30 - 150
EPA 8270E	2-Fluorophenol	84.2	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	93.3	P	30 - 150
EPA 8270E	Nitrobenzene-d5	84.4	P	30 - 150
EPA 8270E	Phenol-d5	88.0	P	20 - 150
EPA 8270E	Terphenyl-d14	85.8	P	30 - 150
FL-PRO 2018	Nonatriacontane(C39)	105	P	36 - 132
FL-PRO 2018	o-Terphenyl	67.3	P	66 - 136

Lab Sample ID: 2292915
Field Sample ID: DEPSB - 101 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	68.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	79.3	P	30 - 160

Lab Sample ID: 2292916
Field Sample ID: DEPSB - 101 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	88.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	83.6	P	30 - 160

Lab Sample ID: 2292917
Field Sample ID: DEPSB - 102 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	66.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	93.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	62.4	P	30 - 160

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Lab Sample ID: 2292918
Field Sample ID: DEPSB - 102 - 1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	44.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	56.2	P	30 - 160

Lab Sample ID: 2292919
Field Sample ID: DEPSB - 103 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	75.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	92.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2292920
Field Sample ID: DEPSB - 103 - 1.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	92.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	99.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	99.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	90.0	P	30 - 160

Lab Sample ID: 2292921
Field Sample ID: DEPSB - 104 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	97.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.8	P	30 - 160

Lab Sample ID: 2292922
Field Sample ID: DEPSB - 104 - 1.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	71.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	77.4	P	30 - 160

Lab Sample ID: 2292923
Field Sample ID: DEPSB - 105 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	55.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	113	P	30 - 160

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Lab Sample ID: 2292923
Field Sample ID: DEPSB - 105 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	97.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	90.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	65.6	P	30 - 160

Lab Sample ID: 2292924
Field Sample ID: DEPSB - 105 - 2.0

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	Perfluorobutanesulfonate-13C	80.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	98.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	73.1	P	30 - 160

Lab Sample ID: 2292925
Field Sample ID: DEPSB - 106 - 0.5

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	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	99.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	94.4	P	30 - 160

Lab Sample ID: 2292926
Field Sample ID: DEPSB - 106 - 1.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	84.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	85.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	86.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.1	P	30 - 160

Lab Sample ID: 2292927
Field Sample ID: DEPSB - 107 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	68.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	99.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.9	P	30 - 160

Lab Sample ID: 2292928
Field Sample ID: DEPSB - 107 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	66.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	143	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	145	P	30 - 160

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Lab Sample ID: 2292928
Field Sample ID: DEPSB - 107 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	68.1	P	30 - 160

Lab Sample ID: 2292929
Field Sample ID: DEPSB - 107 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	70.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	97.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	77.6	P	30 - 160

Lab Sample ID: 2292930
Field Sample ID: DEPSB - 108 - 0.5

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	Perfluorobutanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	84.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	78.4	P	30 - 160

Lab Sample ID: 2292931
Field Sample ID: DEPSB - 108 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	93.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	120	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	101	P	30 - 160

Lab Sample ID: 2292932
Field Sample ID: DEPSB - 108 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	66.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	84.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	72.0	P	30 - 160

Lab Sample ID: 2292933
Field Sample ID: DEPSB - 107 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	104	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	94.2	P	70 - 130
EPA 8260D	Dibromofluoromethane	102	P	70 - 130
EPA 8260D	Toluene-d8	88.5	P	70 - 130

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Lab Sample ID: 2292934
Field Sample ID: DEPSB - 107 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	104	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	94.4	P	70 - 130
EPA 8260D	Dibromofluoromethane	102	P	70 - 130
EPA 8260D	Toluene-d8	91.2	P	70 - 130

Lab Sample ID: 2292935
Field Sample ID: DEPSB - 107 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	102	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	90.6	P	70 - 130
EPA 8260D	Dibromofluoromethane	99.4	P	70 - 130
EPA 8260D	Toluene-d8	90.5	P	70 - 130

Lab Sample ID: 2292936
Field Sample ID: DEPSB - 108 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	110	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	93.3	P	70 - 130
EPA 8260D	Dibromofluoromethane	102	P	70 - 130
EPA 8260D	Toluene-d8	88.4	P	70 - 130

Lab Sample ID: 2292937
Field Sample ID: DEPSB - 108 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	106	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	95.6	P	70 - 130
EPA 8260D	Dibromofluoromethane	101	P	70 - 130
EPA 8260D	Toluene-d8	91.5	P	70 - 130

Lab Sample ID: 2292938
Field Sample ID: DEPSB - 108 - 2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	107	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	95.8	P	70 - 130
EPA 8260D	Dibromofluoromethane	101	P	70 - 130
EPA 8260D	Toluene-d8	89.3	P	70 - 130

Lab Sample ID: 2292973
Field Sample ID: DEPSB - 109 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	95.3	P	30 - 150
EPA 8270E	2-Fluorophenol	84.2	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	102	P	30 - 150
EPA 8270E	Nitrobenzene-d5	87.3	P	30 - 150
EPA 8270E	Phenol-d5	88.6	P	20 - 150
EPA 8270E	Terphenyl-d14	85.8	P	30 - 150
FL-PRO 2018	Nonatriacontane(C39)	95.6	P	36 - 132

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Lab Sample ID: 2292973
Field Sample ID: DEPSB - 109 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
FL-PRO 2018	o-Terphenyl	71.0	P	66 - 136

Lab Sample ID: 2292974
Field Sample ID: DEPSB - 109 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	88.4	P	30 - 150
EPA 8270E	2-Fluorophenol	82.9	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	99.5	P	30 - 150
EPA 8270E	Nitrobenzene-d5	84.2	P	30 - 150
EPA 8270E	Phenol-d5	86.5	P	20 - 150
EPA 8270E	Terphenyl-d14	87.2	P	30 - 150
FL-PRO 2018	Nonatriacontane(C39)	111	P	36 - 132
FL-PRO 2018	o-Terphenyl	70.5	P	66 - 136

Lab Sample ID: 2292975
Field Sample ID: DEPSB - 110 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	94.2	P	30 - 150
EPA 8270E	2-Fluorophenol	83.5	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	102	P	30 - 150
EPA 8270E	Nitrobenzene-d5	87.7	P	30 - 150
EPA 8270E	Phenol-d5	88.8	P	20 - 150
EPA 8270E	Terphenyl-d14	86.0	P	30 - 150
FL-PRO 2018	Nonatriacontane(C39)	116	P	36 - 132
FL-PRO 2018	o-Terphenyl	72.4	P	66 - 136

Lab Sample ID: 2292976
Field Sample ID: DEPSB - 110 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	94.5	P	30 - 150
EPA 8270E	2-Fluorophenol	83.8	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	103	P	30 - 150
EPA 8270E	Nitrobenzene-d5	86.3	P	30 - 150
EPA 8270E	Phenol-d5	88.8	P	20 - 150
EPA 8270E	Terphenyl-d14	85.2	P	30 - 150
FL-PRO 2018	Nonatriacontane(C39)	63.0	P	36 - 132
FL-PRO 2018	o-Terphenyl	71.7	P	66 - 136

Lab Sample ID: 2292977
Field Sample ID: DEPSB - 109 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	94.3	P	30 - 160

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Lab Sample ID: 2292978
Field Sample ID: DEPSB - 109 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	68.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	78.8	P	30 - 160

Lab Sample ID: 2292979
Field Sample ID: DEPSB - 110 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	68.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	87.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	77.4	P	30 - 160

Lab Sample ID: 2292980
Field Sample ID: DEPSB - 110 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	83.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	84.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	81.4	P	30 - 160

Lab Sample ID: 2292981
Field Sample ID: SED - 3

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.8	P	30 - 160

Lab Sample ID: 2292982
Field Sample ID: SED - 4

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	98.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	90.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	90.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	96.0	P	30 - 160

Lab Sample ID: 2292983
Field Sample ID: SED - 1

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	Perfluorobutanesulfonate-13C	107	P	30 - 160

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Lab Sample ID: 2292983
Field Sample ID: SED - 1

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	96.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	96.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.5	P	30 - 160

Lab Sample ID: 2292984
Field Sample ID: SED - 12

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	129	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	91.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	76.8	P	30 - 160

Lab Sample ID: 2292985
Field Sample ID: SED - 14

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	95.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	89.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	86.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.7	P	30 - 160

Lab Sample ID: 2292986
Field Sample ID: SED - 5

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	Perfluorobutanesulfonate-13C	97.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	154	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	81.2	P	30 - 160

Lab Sample ID: 2292987
Field Sample ID: SED - 2

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	Perfluorobutanesulfonate-13C	122	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	127	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	128	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	95.9	P	30 - 160

Lab Sample ID: 2292988
Field Sample ID: SED - 6

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	89.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	78.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160

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Lab Sample ID: 2292988
Field Sample ID: SED - 6

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	86.8	P	30 - 160

Lab Sample ID: 2292989
Field Sample ID: SED - 7

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	Perfluorobutanesulfonate-13C	80.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	71.9	P	30 - 160

Lab Sample ID: 2292990
Field Sample ID: SED - 8

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	Perfluorobutanesulfonate-13C	99.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	104	P	30 - 160

Lab Sample ID: 2292991
Field Sample ID: SED - 9

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	71.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	74.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	75.8	P	30 - 160

Lab Sample ID: 2292992
Field Sample ID: SED - 10

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	65.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	95.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	129	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	73.1	P	30 - 160

Lab Sample ID: 2292993
Field Sample ID: SED - 11

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	85.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.6	P	30 - 160

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Lab Sample ID: 2292994
Field Sample ID: SED - 13

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	76.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	70.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	132	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	68.9	P	30 - 160

Lab Sample ID: 2292995
Field Sample ID: DEPSB - 109 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	118	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	93.5	P	70 - 130
EPA 8260D	Dibromofluoromethane	106	P	70 - 130
EPA 8260D	Toluene-d8	89.2	P	70 - 130

Lab Sample ID: 2292996
Field Sample ID: DEPSB - 109 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	110	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	93.4	P	70 - 130
EPA 8260D	Dibromofluoromethane	105	P	70 - 130
EPA 8260D	Toluene-d8	87.5	P	70 - 130

Lab Sample ID: 2292997
Field Sample ID: DEPSB - 110 - 0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	118	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	91.7	P	70 - 130
EPA 8260D	Dibromofluoromethane	106	P	70 - 130
EPA 8260D	Toluene-d8	91.8	P	70 - 130

Lab Sample ID: 2292998
Field Sample ID: DEPSB - 110 - 2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	118	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	95.8	P	70 - 130
EPA 8260D	Dibromofluoromethane	105	P	70 - 130
EPA 8260D	Toluene-d8	89.8	P	70 - 130

Lab Sample ID: 2293045
Field Sample ID: EQB - HA - 13

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
FL-PRO 2018	Nonatriacontane(C39)	47.9	P	40 - 120
FL-PRO 2018	o-Terphenyl	95.8	P	66 - 139

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Lab Sample ID: 2293046
Field Sample ID: EQB - HA - 13

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	107	P	30 - 150
EPA 8270E	2-Fluorophenol	109	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	108	P	30 - 150
EPA 8270E	Nitrobenzene-d5	113	P	30 - 150
EPA 8270E	Phenol-d5	79.2	P	20 - 150
EPA 8270E	Terphenyl-d14	140	P	30 - 150

Lab Sample ID: 2293047
Field Sample ID: EQB - HA - 9

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	76.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	91.2	P	30 - 160

Lab Sample ID: 2293048
Field Sample ID: EQB - HA - 10

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	69.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	63.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	124	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	90.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	68.6	P	30 - 160

Lab Sample ID: 2293049
Field Sample ID: EQB - HA - 11

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	129	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.6	P	30 - 160

Lab Sample ID: 2293050
Field Sample ID: EQB - HA - 12

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	69.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	98.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	98.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.3	P	30 - 160

Lab Sample ID: 2293051
Field Sample ID: EQB - HA - 13

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	61.5	P	30 - 160

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Surrogates

Lab Sample ID: 2293051
Field Sample ID: EQB - HA - 13

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	85.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	121	P	30 - 160

Lab Sample ID: 2293052
Field Sample ID: EQB - PP - 1

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	76.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	85.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.8	P	30 - 160

Lab Sample ID: 2293053
Field Sample ID: FRB - SB - 85

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	78.9	P	30 - 160

Lab Sample ID: 2293054
Field Sample ID: FRB - SW - 8

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	Perfluorobutanesulfonate-13C	156	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	71.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	154	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	107	P	30 - 160

Lab Sample ID: 2293055
Field Sample ID: SW - 3

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	76.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	125	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	128	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	102	P	30 - 160

Lab Sample ID: 2293056
Field Sample ID: SW - 4

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	76.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	156	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	89.7	P	30 - 160

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Lab Sample ID: 2293056
Field Sample ID: SW - 4

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	146	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	82.6	P	30 - 160

Lab Sample ID: 2293057
Field Sample ID: SW - 5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	56.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	139	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	144	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	63.2	P	30 - 160

Lab Sample ID: 2293058
Field Sample ID: SW - 6

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	Perfluorobutanesulfonate-13C	124	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	126	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	99.5	P	30 - 160

Lab Sample ID: 2293059
Field Sample ID: SW - 7

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	138	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.9	P	30 - 160

Lab Sample ID: 2293060
Field Sample ID: SW - 8

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	148	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.4	P	30 - 160

Lab Sample ID: 2293061
Field Sample ID: SW - 9

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	86.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	133	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	110	P	30 - 160

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Surrogates

Lab Sample ID: 2293062
Field Sample ID: SW - 10

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	92.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	148	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	122	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	150	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	96.2	P	30 - 160

Lab Sample ID: 2293063
Field Sample ID: SW - 11

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	91.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	99.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	86.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	106	P	30 - 160

Lab Sample ID: 2293064
Field Sample ID: Dup - SW - 10

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	87.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	144	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	140	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	80.6	P	30 - 160

Lab Sample ID: 2293065
Field Sample ID: Dup - SW - 4

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	79.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	128	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	96.4	P	30 - 160

Lab Sample ID: 2293069
Field Sample ID: EQB - HA - 13

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	101	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	93.2	P	70 - 130
EPA 8260D	Dibromofluoromethane	100	P	70 - 130
EPA 8260D	Toluene-d8	94.6	P	70 - 130

Lab Sample ID: 2293070
Field Sample ID: Trip Blank

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	99.2	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	97.6	P	70 - 130
EPA 8260D	Dibromofluoromethane	99.0	P	70 - 130

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Surrogates

Lab Sample ID: 2293070
Field Sample ID: Trip Blank

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	Toluene-d8	97.2	P	70 - 130

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: 109371
Included Lab Sample IDs: 2292917, 2292918, 2292919, 2292920, 2292921, 2292922, 2292923, 2292924, 2292925, 2292926, 2292927, 2292928, 2292929, 2292930, 2292931, 2292932, 2292977, 2292978, 2292979, 2292980

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoro-1-butane sulfonamide (FBSA)	108	60.4	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	60.3	61.8	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	60.4	60.3	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	60.3	99.2	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	96.3	86.9	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	98.6	96.3	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	99.2	98.6	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	76.2	74.3	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	81.4	84.2	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	84.2	76.2	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A109272
Included Lab Sample IDs: 2292794, 2292795, 2292796, 2292797, 2292798, 2292799, 2292800, 2292801, 2292802, 2292803

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	104	107	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	107	115	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	122	88.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	93.0	122	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	95.6	97.7	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	81.2	96.0	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	96.0	88.1	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	82.1	92.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	92.4	85.0	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	67.7	102	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	82.2	67.7	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	103	111	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	97.6	103	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	82.6	81.0	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	95.7	82.6	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	77.5	89.1	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	89.1	73.4	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	73.0	74.9	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	74.9	72.6	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	114	80.4	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	72.6	114	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	61.2	95.4	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	81.3	61.2	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	84.1	95.4	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	91.1	66.2	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	95.4	89.6	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	89.9	91.8	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	91.8	91.0	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	89.9	92.2	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	92.2	103	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	103	111	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	111	91.1	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	61.7	90.0	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	90.0	152	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A109272
Included Lab Sample IDs: 2292794, 2292795, 2292796, 2292797, 2292798, 2292799, 2292800, 2292801, 2292802, 2292803

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	91.5	92.8	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	98.9	91.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	84.3	85.6	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	91.3	84.3	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	93.3	96.0	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	96.0	90.9	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	115	120	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	116	115	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	84.8	78.5	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	87.6	84.8	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	113	82.5	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	98.5	113	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	107	78.9	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	87.8	107	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	71.8	95.8	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	90.6	71.8	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	89.4	82.7	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	96.1	89.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	83.1	83.6	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	83.6	94.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	101	105	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	97.4	101	P/P	60 - 160
Perfluorononanoic acid (PFNA)	77.9	78.6	P/P	60 - 160
Perfluorononanoic acid (PFNA)	78.6	79.0	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	87.6	97.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	92.3	92.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	92.7	88.9	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	103	100	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	99.1	103	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	127	60.3	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	60.3	100	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	88.3	92.8	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	91.9	88.3	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	100	68.2	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	137	100	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	73.1	85.2	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	88.7	73.1	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	72.2	75.4	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	75.4	76.1	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	79.0	98.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	86.7	79.0	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A109288
Included Lab Sample IDs: 2292804, 2292805, 2292806, 2292807, 2292808, 2292809, 2292810, 2292811, 2292812, 2292813, 2292814, 2292815, 2292816, 2292817, 2292854, 2292855, 2292856, 2292857, 2292858, 2292859, 2292860, 2292861, 2292862, 2292863, 2292864, 2292865, 2292866, 2292867, 2292868, 2292869, 2292870, 2292871, 2292872, 2292873, 2292874, 2292875, 2292876, 2292877, 2292915, 2292916

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	104	110	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	105	112	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109288

Included Lab Sample IDs: 2292804, 2292805, 2292806, 2292807, 2292808, 2292809, 2292810, 2292811, 2292812, 2292813, 2292814, 2292815, 2292816, 2292817, 2292854, 2292855, 2292856, 2292857, 2292858, 2292859, 2292860, 2292861, 2292862, 2292863, 2292864, 2292865, 2292866, 2292867, 2292868, 2292869, 2292870, 2292871, 2292872, 2292873, 2292874, 2292875, 2292876, 2292877, 2292915, 2292916

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	110	105	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	110	114	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	112	104	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	114	105	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	113	153	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	114	135	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	120	133	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	123	120	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	129	111	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	133	138	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	135	113	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	153	123	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	83.6	68.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	83.7	83.7	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	83.7	96.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	89.4	83.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	94.2	89.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	96.8	94.2	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	79.6	84.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	84.9	90.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	85.0	103	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	87.4	85.0	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	90.8	87.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	92.7	79.6	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	100	83.7	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	108	85.6	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	81.7	100	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	83.7	108	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	85.6	110	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	90.6	81.7	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	102	107	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	104	95.7	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	106	102	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	106	104	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	107	93.6	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	95.7	106	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	107	91.6	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	91.6	91.7	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	91.7	98.9	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	94.7	96.5	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	96.5	88.2	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	98.9	94.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	69.8	70.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	70.7	90.3	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	74.6	96.3	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	78.6	74.6	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	90.3	79.5	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	96.3	69.8	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	60.7	72.3	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109288

Included Lab Sample IDs: 2292804, 2292805, 2292806, 2292807, 2292808, 2292809, 2292810, 2292811, 2292812, 2292813, 2292814, 2292815, 2292816, 2292817, 2292854, 2292855, 2292856, 2292857, 2292858, 2292859, 2292860, 2292861, 2292862, 2292863, 2292864, 2292865, 2292866, 2292867, 2292868, 2292869, 2292870, 2292871, 2292872, 2292873, 2292874, 2292875, 2292876, 2292877, 2292915, 2292916

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	66.9	60.7	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	72.0	76.9	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	72.3	91.0	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	76.9	81.8	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	91.0	72.0	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	60.9	61.3	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	61.3	70.1	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	70.1	70.3	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	70.3	98.3	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	75.0	60.9	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	98.3	69.2	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	101	86.5	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	86.5	95.9	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	96.3	101	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	99.7		P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	86.9	90.5	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	90.3	93.8	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	90.9		P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	93.8	86.9	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	86.5	88.3	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	86.8	91.6	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	88.3	96.5	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	91.6	92.3	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	91.8	92.8	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	92.3	91.8	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	92.8	86.5	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	107	89.5	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	109	62.2	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	62.2	63.8	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	80.8	109	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	89.5	90.6	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	90.6	80.8	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	104	92.8	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	92.6	101	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	92.8	92.6	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	96.6	96.8	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	96.8	104	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	98.5	96.6	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	108	92.4	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	128	70.9	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	60.4	128	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	70.9	92.0	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	92.4	96.3	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	96.3	60.4	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	104	88.1	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	87.7	104	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	88.1	95.9	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	89.5	87.7	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	95.9	92.6	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109288

Included Lab Sample IDs: 2292804, 2292805, 2292806, 2292807, 2292808, 2292809, 2292810, 2292811, 2292812, 2292813, 2292814, 2292815, 2292816, 2292817, 2292854, 2292855, 2292856, 2292857, 2292858, 2292859, 2292860, 2292861, 2292862, 2292863, 2292864, 2292865, 2292866, 2292867, 2292868, 2292869, 2292870, 2292871, 2292872, 2292873, 2292874, 2292875, 2292876, 2292877, 2292915, 2292916

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	97.6	89.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	80.4	82.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	83.9	80.4	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	85.1	83.9	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	87.5	89.6	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	89.6	85.1	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	93.1	87.5	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	118	102	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	86.1	95.3	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	88.0	98.9	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	91.1	118	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	95.3	88.0	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	98.9	91.1	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	114	125	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	115	118	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	118	114	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	121	126	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	125	115	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	126	114	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	74.1	88.5	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	74.8	89.7	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	81.9	74.8	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	84.5	74.1	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	88.5	81.9	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	89.7	77.5	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	107	95.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	78.8	80.1	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	80.1	107	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	88.1	94.1	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	94.1	78.8	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	95.7	81.0	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	79.5	97.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	82.6	82.6	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	82.6	86.6	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	83.8	79.5	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	86.6	90.1	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	90.1	83.8	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	75.7	83.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	77.4	85.0	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	83.3	92.4	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	85.0	75.7	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	88.2	74.5	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	92.4	88.2	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	84.4	91.2	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	84.5	88.9	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	88.9	95.5	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	89.8	84.4	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	91.2	94.0	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	94.0	84.5	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109288

Included Lab Sample IDs: 2292804, 2292805, 2292806, 2292807, 2292808, 2292809, 2292810, 2292811, 2292812, 2292813, 2292814, 2292815, 2292816, 2292817, 2292854, 2292855, 2292856, 2292857, 2292858, 2292859, 2292860, 2292861, 2292862, 2292863, 2292864, 2292865, 2292866, 2292867, 2292868, 2292869, 2292870, 2292871, 2292872, 2292873, 2292874, 2292875, 2292876, 2292877, 2292915, 2292916

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorohexanoic acid (PFHxA)	79.5	84.8	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	82.1	79.5	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	86.2	87.9	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	87.9	90.0	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	90.0	82.1	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	99.0	86.2	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	100	101	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	102	96.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	105	102	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	108	98.3	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	96.8	108	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	98.3	100	P/P	60 - 160
Perfluorononanoic acid (PFNA)	66.8	85.0	P/P	60 - 160
Perfluorononanoic acid (PFNA)	69.4	83.9	P/P	60 - 160
Perfluorononanoic acid (PFNA)	72.3	69.4	P/P	60 - 160
Perfluorononanoic acid (PFNA)	72.3	79.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	83.9	66.8	P/P	60 - 160
Perfluorononanoic acid (PFNA)	85.0	72.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	100	97.0	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	87.0	98.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	88.4	88.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	88.9	90.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	90.9	97.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	91.3	87.0	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	98.1	93.2	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	98.9	88.4	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	99.5	91.3	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	101	106	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	106	99.2	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	92.5	101	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	96.9	92.5	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	99.2	99.9	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	99.9	89.4	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	100	122	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	101	100	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	106	101	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	121	102	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	122	99.8	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	99.8	121	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	80.7	88.3	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	85.9	86.6	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	86.4	87.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	86.6	80.7	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	87.5	85.9	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	87.9	86.4	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	125	81.1	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	131	83.6	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	83.6	125	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	89.8	131	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109288

Included Lab Sample IDs: 2292804, 2292805, 2292806, 2292807, 2292808, 2292809, 2292810, 2292811, 2292812, 2292813, 2292814, 2292815, 2292816, 2292817, 2292854, 2292855, 2292856, 2292857, 2292858, 2292859, 2292860, 2292861, 2292862, 2292863, 2292864, 2292865, 2292866, 2292867, 2292868, 2292869, 2292870, 2292871, 2292872, 2292873, 2292874, 2292875, 2292876, 2292877, 2292915, 2292916

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoropropanesulfonic acid (PFPrS)	92.1	97.3	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	97.3	89.8	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	75.8	80.5	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	77.8	75.8	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	80.5	81.3	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	81.3	89.7	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	86.8	81.8	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	89.7	86.8	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	75.3	75.7	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	79.8		P	60 - 160
Perfluorotridecanoic acid (PFTriA)	80.2	82.0	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	82.0	75.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	75.2	86.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	75.6	92.9	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	82.1	85.2	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	85.2	84.8	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	86.3	82.1	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	92.9	75.2	P/P	60 - 160

Reference Method: EPA 8260D

Run ID: A109305

Included Lab Sample IDs: 2293069, 2293070

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1,1-Dichloroethane	97.2		P	80 - 120
1,1-Dichloroethene	80.0*		F	80 - 120
1,1,1-Trichloroethane	99.0		P	80 - 120
1,1,2-Trichloroethane	103		P	80 - 120
1,1,2,2-Tetrachloroethane	93.6		P	80 - 120
1,2-Dichlorobenzene	91.2		P	80 - 120
1,2-Dichloroethane	108		P	80 - 120
1,2-Dichloropropane	102		P	80 - 120
1,3-Dichlorobenzene	99.4		P	80 - 120
1,4-Dichlorobenzene	99.3		P	80 - 120
2-Butanone	94.0		P	70 - 130
Benzene	101		P	80 - 120
Bromodichloromethane	109		P	80 - 120
Bromoform	102		P	80 - 120
Bromomethane	105		P	70 - 130
Carbon tetrachloride	105		P	80 - 120
Chlorobenzene	102		P	80 - 120
Chloroethane	102		P	70 - 130
Chloroform	105		P	80 - 120
Chloromethane	93.4		P	70 - 130
cis-1,2-Dichloroethene	94.2		P	80 - 120
cis-1,3-Dichloropropene	101		P	80 - 120
Dibromochloromethane	100		P	80 - 120
Ethylbenzene	106		P	80 - 120
m,p-Xylene	105		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8260D
Run ID: A109305
Included Lab Sample IDs: 2293069, 2293070

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Methyl-t-butyl ether	91.5		P	80 - 120
Methylene chloride	98.0		P	80 - 120
o-Xylene	110		P	80 - 120
Tetrachloroethene	95.0		P	80 - 120
Toluene	106		P	80 - 120
trans-1,2-Dichloroethene	87.4		P	80 - 120
trans-1,3-Dichloropropene	97.5		P	80 - 120
Trichloroethene	101		P	80 - 120
Trichlorofluoromethane	115		P	70 - 130
Vinyl chloride	104		P	70 - 130

Reference Method: EPA 8270E
Run ID: A109314
Included Lab Sample IDs: 2293046

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Methyl-4,6-dinitrophenol	111		P	70 - 130
2,4-Dinitrophenol	102		P	70 - 130
3,3'-Dichlorobenzidine	63.6		P	50 - 130
4-Nitrophenol	102		P	70 - 130
Benzidine	60.5		P	50 - 130
Bis(2-ethylhexyl)phthalate	107		P	70 - 130
Butyl benzyl phthalate	100		P	70 - 130
Di-n-butyl phthalate	87.8		P	70 - 130
Diethyl phthalate	93.1		P	70 - 130
N-Nitrosodimethylamine	93.5		P	70 - 130
Pentachlorophenol	94.2		P	70 - 130

Reference Method: DEP SOP: LC-001-3
Run ID: A109328
Included Lab Sample IDs: 2293047, 2293048, 2293049, 2293050, 2293051, 2293052, 2293053, 2293054, 2293055, 2293056, 2293057, 2293058, 2293059, 2293060, 2293061, 2293062, 2293063, 2293064, 2293065

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	102	113	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	104	94.5	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	113	106	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	114	102	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	110	122	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	118	114	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	123	118	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	129	123	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	97.9	134	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	80.9	91.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	90.5	80.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	90.9	90.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	91.6	91.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	78.1	81.1	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	79.2	85.1	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	80.0	104	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	81.1	96.5	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109328

Included Lab Sample IDs: 2293047, 2293048, 2293049, 2293050, 2293051, 2293052, 2293053, 2293054, 2293055, 2293056, 2293057, 2293058, 2293059, 2293060, 2293061, 2293062, 2293063, 2293064, 2293065

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	85.1	78.1	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	88.5	79.2	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	83.0	95.0	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.4	94.7	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.7	92.8	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	95.6	94.4	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	102	107	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	104	102	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	105	101	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	107	98.1	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	77.5	94.2	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	84.7	90.6	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	92.7	96.9	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	94.2	84.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	76.7	79.5	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	79.5	81.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	85.1	76.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	88.1	69.5	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	75.7	76.8	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	76.8	73.4	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	86.9	78.3	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	89.8	75.7	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	69.3	84.0	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	74.6	84.8	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	82.1	67.1	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	84.8	82.1	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	105	154	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	154	109	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	67.8	64.8	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	97.4	98.9	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	97.6	105	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	98.9	97.6	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	73.8	69.3	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	80.4	82.6	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	85.1	92.5	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	88.4	89.0	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	89.0	85.1	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	92.5	73.8	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	85.7	87.2	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	87.2	94.3	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	89.2	93.5	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	92.2	85.7	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	102	117	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	117	60.6	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	89.6	98.2	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	90.7	102	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	91.5	96.1	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	95.4	91.5	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	98.3	95.4	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	99.1	95.9	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109328

Included Lab Sample IDs: 2293047, 2293048, 2293049, 2293050, 2293051, 2293052, 2293053, 2293054, 2293055, 2293056, 2293057, 2293058, 2293059, 2293060, 2293061, 2293062, 2293063, 2293064, 2293065

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoro-4-methoxybutanoic acid (PFMBA)	115	134	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	134	92.1	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	60.2	62.6	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	72.0	115	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	101	93.5	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	88.4	85.3	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	93.5	88.4	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	99.4	106	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	82.5	94.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	84.5	82.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	85.8	90.1	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	90.1	84.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	91.3	88.2	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	102	94.1	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	89.7	90.8	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	90.8	102	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	92.8	105	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	93.3	89.7	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	94.1	88.5	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	110	123	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	113	114	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	117	110	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	123	118	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	108	84.5	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	68.4	108	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	84.5	73.9	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	86.0	86.4	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	118	95.3	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	70.9	118	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	90.6	76.4	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	95.3	83.6	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	74.0	89.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	84.9	85.5	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	88.0	84.9	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	91.4	88.0	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	94.8	85.5	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	100	86.0	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	75.3	86.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	76.1	90.6	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	86.0	76.1	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	88.0	81.9	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	90.6	75.3	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	82.0	98.2	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	85.6	92.5	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	89.3	88.8	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	96.7	93.4	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	98.2	96.7	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	100	92.1	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	83.2	90.1	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	85.8	75.6	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109328

Included Lab Sample IDs: 2293047, 2293048, 2293049, 2293050, 2293051, 2293052, 2293053, 2293054, 2293055, 2293056, 2293057, 2293058, 2293059, 2293060, 2293061, 2293062, 2293063, 2293064, 2293065

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorohexanoic acid (PFHxA)	90.1	85.8	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	90.2	87.7	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	92.1	83.2	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	103	95.5	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	107	96.0	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	110	105	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	95.5	110	P/P	60 - 160
Perfluorononanoic acid (PFNA)	72.2	97.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	79.6	81.9	P/P	60 - 160
Perfluorononanoic acid (PFNA)	84.0	87.7	P/P	60 - 160
Perfluorononanoic acid (PFNA)	87.7	79.6	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	92.2	97.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	96.9	90.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	97.4	94.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	97.9	88.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	99.4	92.2	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	105	80.9	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	76.9	87.0	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	80.9	82.7	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	87.0	105	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	93.5	83.9	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	94.8	76.9	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	102	94.7	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	120	102	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	122	120	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	94.7	97.7	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	97.7	107	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	82.2	97.3	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	84.2	86.4	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	85.7	82.2	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	85.7	90.6	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	88.0	85.7	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	90.6	88.0	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	109	79.7	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	158	141	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	69.3	104	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	79.7	82.6	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	82.6	69.3	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	86.3	90.8	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	87.6	89.1	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	90.8	87.6	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	91.1	82.8	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	107	110	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	108	155	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	110	108	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	115	85.8	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	84.7	91.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	86.7	105	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	94.1	95.6	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	95.6	86.7	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8260D
Run ID: A109331
Included Lab Sample IDs: 2292933, 2292934, 2292935, 2292936, 2292937, 2292938, 2292995, 2292996, 2292997, 2292998

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1,1-Dichloroethane	96.3		P	70 - 130
1,1-Dichloroethene	97.4		P	70 - 130
1,1,1-Trichloroethane	94.8		P	70 - 130
1,1,2-Trichloroethane	105		P	70 - 130
1,1,2,2-Tetrachloroethane	99.4		P	70 - 130
1,2-Dichlorobenzene	92.2		P	70 - 130
1,2-Dichloroethane	97.2		P	70 - 130
1,2-Dichloropropane	95.1		P	70 - 130
1,3-Dichlorobenzene	92.2		P	70 - 130
1,4-Dichlorobenzene	89.9		P	70 - 130
2-Butanone	89.1		P	70 - 130
Benzene	94.3		P	70 - 130
Bromodichloromethane	96.2		P	70 - 130
Bromoform	99.6		P	70 - 130
Bromomethane	92.9		P	70 - 130
Carbon tetrachloride	95.7		P	70 - 130
Chlorobenzene	97.9		P	70 - 130
Chloroethane	98.7		P	70 - 130
Chloroform	96.3		P	70 - 130
Chloromethane	88.9		P	70 - 130
cis-1,2-Dichloroethene	94.0		P	70 - 130
cis-1,3-Dichloropropene	93.7		P	70 - 130
Dibromochloromethane	101		P	70 - 130
Ethylbenzene	98.9		P	70 - 130
m,p-Xylene	98.1		P	70 - 130
Methyl-t-butyl ether	90.4		P	70 - 130
Methylene chloride	102		P	70 - 130
o-Xylene	91.0		P	70 - 130
Tetrachloroethene	97.7		P	70 - 130
Toluene	95.7		P	70 - 130
trans-1,2-Dichloroethene	93.2		P	70 - 130
trans-1,3-Dichloropropene	97.0		P	70 - 130
Trichloroethene	93.5		P	70 - 130
Trichlorofluoromethane	99.2		P	70 - 130
Vinyl chloride	94.7		P	70 - 130

Reference Method: DEP SOP: LC-001-3
Run ID: A109346
Included Lab Sample IDs: 2293062, 2293064

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	125	123	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	79.8	87.8	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	90.5	91.3	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	111	104	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	72.7	94.2	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	90.2	85.0	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	90.9	89.5	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	71.1	72.8	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	93.4	83.4	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	80.0	81.6	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A109346
Included Lab Sample IDs: 2293062, 2293064

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorohexanesulfonic acid (PFHxS)	87.4	81.5	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	80.9	84.8	P/P	60 - 160
Perfluorononanoic acid (PFNA)	78.8	88.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	99.8	102	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	87.7	112	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	65.2	98.3	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	96.7	95.9	P/P	60 - 160

Reference Method: FL-PRO 2018
Run ID: A109352
Included Lab Sample IDs: 2293045

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
TRPH	90.0	91.5	P/P	75 - 125

Reference Method: EPA 8270E
Run ID: A109358
Included Lab Sample IDs: 2293046

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1,2,4-Trichlorobenzene	93.6		P	70 - 130
2-Chloronaphthalene	90.9		P	70 - 130
2-Chlorophenol	92.2		P	70 - 130
2-Nitrophenol	84.2		P	70 - 130
2,4-Dichlorophenol	80.2		P	70 - 130
2,4-Dimethylphenol	92.4		P	70 - 130
2,4-Dinitrotoluene	89.7		P	70 - 130
2,4,6-Trichlorophenol	82.2		P	70 - 130
2,6-Dinitrotoluene	104		P	70 - 130
4-Bromophenyl phenyl ether	90.9		P	70 - 130
4-Chloro-3-methylphenol	80.4		P	70 - 130
4-Chlorophenyl phenyl ether	94.0		P	70 - 130
Acenaphthene	90.4		P	70 - 130
Acenaphthylene	94.6		P	70 - 130
Anthracene	90.0		P	70 - 130
Azobenzene/1,2-Diphenylhydrazine	97.8		P	70 - 130
Benzo(a)anthracene	89.6		P	70 - 130
Benzo(a)pyrene	89.1		P	70 - 130
Benzo(b)fluoranthene	93.9		P	70 - 130
Benzo(g,h,i)perylene	99.2		P	70 - 130
Benzo(k)fluoranthene	98.5		P	70 - 130
Bis(2-chloroethoxy)methane	94.6		P	70 - 130
Bis(2-chloroethyl)ether	87.0		P	70 - 130
Bis(2-chloroisopropyl)ether	90.2		P	70 - 130
Chrysene	89.3		P	70 - 130
Di-n-octyl phthalate	74.4		P	70 - 130
Dibenzo(a,h)anthracene	91.3		P	70 - 130
Dimethyl phthalate	94.6		P	70 - 130
Fluoranthene	93.2		P	70 - 130
Fluorene	99.0		P	70 - 130
Hexachloroethane	90.8		P	70 - 130

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A109358
Included Lab Sample IDs: 2293046

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Indeno(1,2,3-cd)pyrene	94.2		P	70 - 130
Isophorone	87.0		P	70 - 130
m,p-Cresols	82.9		P	70 - 130
N-Nitrosodi-n-propylamine	85.2		P	70 - 130
N-Nitrosodiphenylamine/ Diphenylamine	96.2		P	70 - 130
Naphthalene	95.0		P	70 - 130
Nitrobenzene	86.6		P	70 - 130
o-Cresol	89.8		P	70 - 130
Phenanthrene	92.4		P	70 - 130
Phenol	89.6		P	70 - 130
Pyrene	95.4		P	70 - 130

Reference Method: DEP SOP: LC-001-3
Run ID: A109371
Included Lab Sample IDs: 2292917, 2292918, 2292919, 2292920, 2292921, 2292922, 2292923, 2292924, 2292925, 2292926, 2292927, 2292928, 2292929, 2292930, 2292931, 2292932, 2292977, 2292978, 2292979, 2292980

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	114	117	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	117	123	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	71.0	114	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	115	125	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	125	155	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	99.2	115	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	93.8	93.2	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	94.1	94.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	94.5	93.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	82.7	95.1	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	83.3	82.7	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	95.1	105	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	122	79.5	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	68.9	70.7	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	79.5	68.9	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	108	110	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	110	107	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	94.5	108	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	84.2	99.1	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	91.2	96.9	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	99.1	91.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	75.6	81.0	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	81.0	86.4	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	86.4	89.5	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	106	61.3	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	61.3	84.2	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	84.2	70.0	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	112	112	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	89.1	95.3	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	95.3	112	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	84.6	89.8	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	89.8	90.5	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	90.5	83.2	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109371

Included Lab Sample IDs: 2292917, 2292918, 2292919, 2292920, 2292921, 2292922, 2292923, 2292924, 2292925, 2292926, 2292927, 2292928, 2292929, 2292930, 2292931, 2292932, 2292977, 2292978, 2292979, 2292980

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoro-3-methoxypropanoic acid (PFMPA)	90.2	88.3	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	92.0	92.8	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	92.8	90.2	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	108	125	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	125	115	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	91.7	108	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	85.7	90.0	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	86.3	85.7	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	90.0	91.3	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	88.7	91.3	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	90.2	81.8	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	91.3	90.2	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	84.7	81.7	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	85.5	84.7	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	90.7	85.5	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	92.9	95.1	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	93.8	95.4	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	95.1	93.8	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	117	118	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	122	117	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	73.9	122	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	101	86.7	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	86.7	89.1	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	89.1	87.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	112	84.4	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	84.4	98.4	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	98.4	90.7	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	100	104	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	85.6	98.0	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	98.0	100	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	70.6	92.3	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	87.1	93.6	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	92.3	87.1	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	85.5	95.4	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	93.9	90.3	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	95.4	93.9	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	91.7	92.2	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	91.7	97.3	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	92.2	91.7	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	104	97.0	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	76.0	104	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	97.0	107	P/P	60 - 160
Perfluorononanoic acid (PFNA)	105	69.7	P/P	60 - 160
Perfluorononanoic acid (PFNA)	69.7	77.0	P/P	60 - 160
Perfluorononanoic acid (PFNA)	77.0	74.1	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	94.7	96.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	94.9	94.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	96.9	94.8	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	97.8	94.9	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	102	111	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109371

Included Lab Sample IDs: 2292917, 2292918, 2292919, 2292920, 2292921, 2292922, 2292923, 2292924, 2292925, 2292926, 2292927, 2292928, 2292929, 2292930, 2292931, 2292932, 2292977, 2292978, 2292979, 2292980

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorooctanoic acid (PFOA)	111	102	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	96.4	111	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	60.1	61.3	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	61.3	60.4	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	99.9	60.1	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	82.8	93.0	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	84.3	84.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	84.5	82.8	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	100	90.6	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	90.1	100	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	97.7	90.1	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	86.4	84.0	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	96.3	98.7	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	98.7	86.4	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	101	72.1	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	72.1	89.0	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	99.5	101	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3

Run ID: A109449

Included Lab Sample IDs: 2292981, 2292982, 2292983, 2292984, 2292985, 2292986, 2292987, 2292988, 2292989, 2292990, 2292991, 2292992, 2292993, 2292994

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	103	108	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	104	105	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	61.0	103	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	111	107	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	111	127	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	115	114	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	127	115	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	82.8	89.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	89.6	100	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	91.6	81.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	75.6	69.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	85.9	75.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	93.0	85.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	98.6	72.9	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	106	119	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	118	120	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	119	106	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	87.0	105	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	97.7	99.9	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	99.9	111	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	90.8	87.2	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	91.2	77.8	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	91.2	91.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	79.2	86.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	85.2	87.5	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	93.7	79.2	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A109449

Included Lab Sample IDs: 2292981, 2292982, 2292983, 2292984, 2292985, 2292986, 2292987, 2292988, 2292989, 2292990, 2292991, 2292992, 2292993, 2292994

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	67.3	64.1	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	71.7	78.3	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	78.3	87.9	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	75.9	89.0	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	79.8	89.1	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	89.0	64.0	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	112	97.2	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	75.0	76.7	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	77.6	75.0	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	73.2	88.4	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	88.4	89.4	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	89.4	88.4	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	95.7	87.5	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	86.9	90.3	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	88.1	88.4	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	90.3	92.3	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	92.3	92.4	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	85.6	81.3	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	86.9	86.6	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	88.1	86.9	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	106	108	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	108	99.1	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	96.7	97.9	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	60.4	60.3	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	77.6	72.8	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	80.6	60.4	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	82.4	95.8	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	86.8	101	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	95.8	99.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	86.5	92.0	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	88.6	86.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	91.1	94.9	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	101	95.7	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	86.5	101	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	98.1	97.2	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	117	124	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	119	121	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	71.3	117	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	80.0	83.4	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	83.4	82.3	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	92.1	87.6	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	93.7	78.6	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	94.0	96.8	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	96.8	77.0	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	104	94.6	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	87.4	88.3	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	94.1	104	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	74.0	92.8	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	78.1	86.4	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	92.8	95.2	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A109449
Included Lab Sample IDs: 2292981, 2292982, 2292983, 2292984, 2292985, 2292986, 2292987, 2292988, 2292989, 2292990, 2292991, 2292992, 2292993, 2292994

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorohexanesulfonic acid (PFHxS)	85.2	97.0	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	90.5	91.9	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	90.7	90.0	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	97.0	90.7	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	81.4	90.5	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	85.2	81.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	90.1	94.2	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	101	105	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	105	103	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	95.0	102	P/P	60 - 160
Perfluorononanoic acid (PFNA)	78.9	84.6	P/P	60 - 160
Perfluorononanoic acid (PFNA)	82.4	81.7	P/P	60 - 160
Perfluorononanoic acid (PFNA)	92.2	78.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	101	96.2	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	102	101	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	96.2	102	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	99.4	96.3	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	121	108	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	123	114	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	96.9	123	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	109	116	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	87.6	109	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	98.1	117	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	79.7	76.8	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	87.1	90.6	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	90.6	92.1	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	102	119	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	119	143	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	85.5	107	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	77.3	84.5	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	82.1	90.3	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	90.3	84.8	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	78.3	83.5	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	94.1	114	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	99.4	78.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	114	86.6	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	76.4	74.6	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	91.0	76.4	P/P	60 - 160

Reference Method: EPA 8270E
Run ID: A109468
Included Lab Sample IDs: 2292909, 2292910, 2292911, 2292912, 2292913, 2292914, 2292973, 2292974, 2292975, 2292976

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1,2,4-Trichlorobenzene	97.9		P	70 - 130
2-Chloronaphthalene	97.4		P	70 - 130
2-Chlorophenol	103		P	70 - 130
2-Methyl-4,6-dinitrophenol	87.6		P	70 - 130
2-Nitrophenol	92.1		P	70 - 130
2,4-Dichlorophenol	101		P	70 - 130

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A109468
Included Lab Sample IDs: 2292909, 2292910, 2292911, 2292912, 2292913, 2292914, 2292973, 2292974, 2292975, 2292976

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-Dimethylphenol	101		P	70 - 130
2,4-Dinitrophenol	94.4		P	70 - 130
2,4-Dinitrotoluene	96.7		P	70 - 130
2,4,6-Trichlorophenol	102		P	70 - 130
2,6-Dinitrotoluene	103		P	70 - 130
3,3'-Dichlorobenzidine	106		P	50 - 130
4-Bromophenyl phenyl ether	99.1		P	70 - 130
4-Chloro-3-methylphenol	112		P	70 - 130
4-Chlorophenyl phenyl ether	98.1		P	70 - 130
4-Nitrophenol	107		P	70 - 130
Acenaphthene	95.4		P	70 - 130
Acenaphthylene	94.7		P	70 - 130
Anthracene	92.7		P	70 - 130
Azobenzene/1,2-Diphenylhydrazine	97.6		P	70 - 130
Benzidine	76.9		P	50 - 130
Benzo(a)anthracene	98.8		P	70 - 130
Benzo(a)pyrene	102		P	70 - 130
Benzo(b)fluoranthene	104		P	70 - 130
Benzo(g,h,i)perylene	100		P	70 - 130
Benzo(k)fluoranthene	89.2		P	70 - 130
Bis(2-chloroethoxy)methane	99.6		P	70 - 130
Bis(2-chloroethyl)ether	101		P	70 - 130
Bis(2-chloroisopropyl)ether	91.7		P	70 - 130
Bis(2-ethylhexyl)phthalate	95.6		P	70 - 130
Butyl benzyl phthalate	97.1		P	70 - 130
Chrysene	94.4		P	70 - 130
Di-n-butyl phthalate	93.6		P	70 - 130
Di-n-octyl phthalate	104		P	70 - 130
Dibenzo(a,h)anthracene	101		P	70 - 130
Diethyl phthalate	95.2		P	70 - 130
Dimethyl phthalate	99.8		P	70 - 130
Fluoranthene	94.6		P	70 - 130
Fluorene	91.6		P	70 - 130
Hexachlorobenzene	94.6		P	70 - 130
Hexachlorobutadiene	94.1		P	70 - 130
Hexachlorocyclopentadiene	80.9		P	70 - 130
Hexachloroethane	91.9		P	70 - 130
Indeno(1,2,3-cd)pyrene	103		P	70 - 130
Isophorone	98.5		P	70 - 130
N-Nitrosodi-n-propylamine	98.8		P	70 - 130
N-Nitrosodimethylamine	104		P	70 - 130
N-Nitrosodiphenylamine/ Diphenylamine	106		P	70 - 130
Naphthalene	95.0		P	70 - 130
Nitrobenzene	99.1		P	70 - 130
Pentachlorophenol	118		P	70 - 130
Phenanthrene	94.6		P	70 - 130
Phenol	103		P	70 - 130
Pyrene	96.5		P	70 - 130

Quality Assurance Report
Calibration Verification

Reference Method: FL-PRO 2018
Run ID: A109476
Included Lab Sample IDs: 2292909, 2292910, 2292911, 2292912, 2292913, 2292914, 2292973, 2292974, 2292975, 2292976

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
TRPH	94.6	85.2	P/P	75 - 125

* 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		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	122	123	112			9.72
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	115	117	108			8.26
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	122	120	120			0.333
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	117	111	105			5.66
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	86.2	71.4	65.6			8.47
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	80.9	69.9	76.9			9.54
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	97.2	113	107			5.82
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	110					2.44
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	113					0.822
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	118					11.0
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	101					9.36
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	124	130	122			6.04
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	83.3	115	100			14.2
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	111	82.6	102			21.3
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	97.6	103	102			0.584
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	99.4	106	104			2.47
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	99.4	95.3	98.2			3.00
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	84.9	80.3	87.4			8.47
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	98.7	96.1	83.4			14.2
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	83.0	96.5	92.9			3.80
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	89.1	112	102			9.31
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	90.1	110	137			12.0
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	79.6					9.32
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	88.8	98.4	109			3.67
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	90.8					14.2
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	78.8	78.0	84.4			7.88
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	79.6	87.9	76.6			13.7
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	81.8	103	88.7			14.9
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	93.7	88.7	85.5			3.67
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	85.0	92.0	89.9			2.31

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	86.5	112	100			10.8
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	99.8	97.0	81.8			17.0
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	84.9	78.2	90.4			14.5
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	84.5	92.9	86.0			7.71
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	82.4	114	86.3			27.9
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	101	115	114			0.874
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	109	115	100			13.8
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	117	112	111			0.180
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	101	110	93.0			16.3
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	100	91.0	91.5			0.548
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	104	101	103			2.16
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	88.5	103	96.8			6.11
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	113	105	122			14.6
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	94.1	94.3	80.9			15.3
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	98.2	84.4	93.9			10.7
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	104	96.5	86.0			11.5
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	110	96.7	110			13.0
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	108	109	85.1			24.9
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	82.4	79.8	84.5			5.72
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.5	83.7	95.3			13.0
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	71.9	81.5	75.7			6.85
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	72.0	92.5	87.5			5.56
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	81.7	69.2	60.9			11.5
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	88.0	80.6	76.7			4.96
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	73.7	90.2	76.1			17.0
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	82.2	76.3	75.4			1.19

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	81.5	75.2	67.4			10.9
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	71.3	74.4	65.4			12.9
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	81.1	88.9	75.5			16.3
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	73.8	73.3	66.0			10.5
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	81.1	89.2	73.7			19.0
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	73.4	80.0	72.6			9.70
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	66.6	60.2	76.1			23.3
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	91.6	80.2	84.2			4.87
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	75.4	79.6	78.8			1.01
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	68.4	79.6	74.0			7.29
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	71.2	79.2	84.9			6.95
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	78.4	66.9	64.2			4.12
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	55.3	75.6	78.8			4.15
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	69.4	82.6	95.7			14.7
	Perfluoro-1-butane sulfonamide (FBSA)	70.3	102	104			1.66
	Perfluoro-1-butane sulfonamide (FBSA)	111	108	107			0.838
	Perfluoro-1-butane sulfonamide (FBSA)	104	109	107			1.59
	Perfluoro-1-butane sulfonamide (FBSA)	98.1	108	78.1			28.3
	Perfluoro-1-butane sulfonamide (FBSA)	144	106	95.9			9.29
	Perfluoro-1-butane sulfonamide (FBSA)	141	121	106			13.0
	Perfluoro-1-butane sulfonamide (FBSA)	57.6	61.2	79.5			26.0
	Perfluoro-1-hexane sulfonamide (FHxSA)	96.2	79.9	93.7			7.62
	Perfluoro-1-hexane sulfonamide (FHxSA)	91.6	100	93.9			1.38
	Perfluoro-1-hexane sulfonamide (FHxSA)	97.6					2.44
	Perfluoro-1-hexane sulfonamide (FHxSA)	82.8					1.66
	Perfluoro-1-hexane sulfonamide (FHxSA)	123	85.6	81.2			5.28
	Perfluoro-1-hexane sulfonamide (FHxSA)	125	103	89.2			14.0

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoro-1-hexane sulfonamide (FHxSA)	71.4	76.9	82.5			7.03
	Perfluoro-1-octane sulfonamide (FOSA)	99.3	106	108			0.242
	Perfluoro-1-octane sulfonamide (FOSA)	97.6	90.3	80.4			7.04
	Perfluoro-1-octane sulfonamide (FOSA)	99.5	98.0	102			3.49
	Perfluoro-1-octane sulfonamide (FOSA)	87.6	108	79.4			8.57
	Perfluoro-1-octane sulfonamide (FOSA)	87.3	90.7	86.0			5.32
	Perfluoro-1-octane sulfonamide (FOSA)	90.2	106	91.1			15.6
	Perfluoro-1-octane sulfonamide (FOSA)	88.7	89.5	93.9			4.80
	Perfluoro-3-methoxypropanoic acid (PFMPA)	90.5	88.7	93.4			5.16
	Perfluoro-3-methoxypropanoic acid (PFMPA)	110	94.6	114			18.7
	Perfluoro-3-methoxypropanoic acid (PFMPA)	92.9	92.0	95.8			4.05
	Perfluoro-3-methoxypropanoic acid (PFMPA)	103	114	86.5			27.8
	Perfluoro-3-methoxypropanoic acid (PFMPA)	108	92.6	92.9			0.323
	Perfluoro-3-methoxypropanoic acid (PFMPA)	110	128	120			6.47
	Perfluoro-3-methoxypropanoic acid (PFMPA)	88.0	81.9	86.3			5.23
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	110	114	111			2.05
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	114	111	103			7.40
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	111	102	106			3.27
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	98.9	90.3	102			12.7
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	92.1	105	106			0.662
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	86.8	107	94.2			13.0
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	108	101	112			10.6
	Perfluoro-4-methoxybutanoic acid (PFMBA)	49.3	98.1	98.3			0.204
	Perfluoro-4-methoxybutanoic acid (PFMBA)	120	90.6	119			27.3
	Perfluoro-4-methoxybutanoic acid (PFMBA)	95.7	86.6	97.1			11.4
	Perfluoro-4-methoxybutanoic acid (PFMBA)	111	130	56.7			78.3
	Perfluoro-4-methoxybutanoic acid (PFMBA)	105	89.8	96.2			6.88
	Perfluoro-4-methoxybutanoic acid (PFMBA)	116	137	140			1.73
	Perfluoro-4-methoxybutanoic acid (PFMBA)	80.6	51.6	86.0			50.0
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	115	101	108			7.08

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	102	106	102			3.75
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	100	98.4	101			2.90
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	92.1	96.8	97.2			0.412
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	93.1	97.0	142			37.5
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	92.7	99.9	89.5			11.0
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	95.7	98.2	74.7			27.2
	Perfluorobutanesulfonic acid (PFBS)	102	91.5	90.6			0.988
	Perfluorobutanesulfonic acid (PFBS)	101	106	93.8			12.1
	Perfluorobutanesulfonic acid (PFBS)	98.4	99.8	103			3.35
	Perfluorobutanesulfonic acid (PFBS)	91.4	96.5	89.5			7.53
	Perfluorobutanesulfonic acid (PFBS)	93.8	93.8	91.9			1.34
	Perfluorobutanesulfonic acid (PFBS)	85.3	99.8	90.9			7.66
	Perfluorobutanesulfonic acid (PFBS)	94.9	99.3	100			0.802
	Perfluorobutanoic acid (PFBA)	89.0	94.3	97.7			3.54
	Perfluorobutanoic acid (PFBA)	96.1	84.9	92.0			6.32
	Perfluorobutanoic acid (PFBA)	99.4	107	108			0.931
	Perfluorobutanoic acid (PFBA)	89.9	85.5	81.3			2.51
	Perfluorobutanoic acid (PFBA)	90.0	92.5	91.9			0.484
	Perfluorobutanoic acid (PFBA)	85.8	80.5	93.4			11.0
	Perfluorobutanoic acid (PFBA)	89.2	94.4	94.2			0.212
	Perfluorodecanesulfonic acid (PFDS)	118	118	115			2.32
	Perfluorodecanesulfonic acid (PFDS)	118	115	115			0.0764
	Perfluorodecanesulfonic acid (PFDS)	131	130	125			3.61
	Perfluorodecanesulfonic acid (PFDS)	124	99.1	84.4			7.77
	Perfluorodecanesulfonic acid (PFDS)	105	80.8	74.7			7.85
	Perfluorodecanesulfonic acid (PFDS)	99.3	85.8	88.6			3.21
	Perfluorodecanesulfonic acid (PFDS)	108	114	110			3.47
	Perfluorodecanoic acid (PFDA)	91.2	75.9	70.6			5.12
	Perfluorodecanoic acid (PFDA)	91.9	53.7	71.0			11.2
	Perfluorodecanoic acid (PFDA)	78.5	85.4	110			16.8
	Perfluorodecanoic acid (PFDA)	104	82.6	103			14.3
	Perfluorodecanoic acid (PFDA)	78.2	86.4	108			22.1
	Perfluorodecanoic acid (PFDA)	82.6	84.6	79.3			6.47
	Perfluorodecanoic acid (PFDA)	86.5	72.3	97.5			29.7
	Perfluorododecanoic acid (PFDoA)	103	129	92.8			27.6
	Perfluorododecanoic acid (PFDoA)	95.8	94.7	89.1			6.09
	Perfluorododecanoic acid (PFDoA)	101	95.1	102			6.90
	Perfluorododecanoic acid (PFDoA)	81.1	102	112			6.19

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluorododecanoic acid (PFDoA)	119	90.0	89.4			0.669
	Perfluorododecanoic acid (PFDoA)	76.7	83.2	81.6			1.94
	Perfluorododecanoic acid (PFDoA)	130	69.7	73.3			5.03
	Perfluoroheptanesulfonic acid (PFHpS)	99.4	93.9	99.4			5.69
	Perfluoroheptanesulfonic acid (PFHpS)	97.0	95.4	88.8			7.17
	Perfluoroheptanesulfonic acid (PFHpS)	93.6	87.2	72.9			15.4
	Perfluoroheptanesulfonic acid (PFHpS)	85.1	75.9	87.6			9.86
	Perfluoroheptanesulfonic acid (PFHpS)	83.7	90.8	93.7			3.14
	Perfluoroheptanesulfonic acid (PFHpS)	75.1	89.9	81.9			9.31
	Perfluoroheptanesulfonic acid (PFHpS)	94.2	94.8	102			7.71
	Perfluoroheptanoic acid (PFHpA)	98.8	95.0	96.7			1.77
	Perfluoroheptanoic acid (PFHpA)	80.9	97.0	89.8			6.04
	Perfluoroheptanoic acid (PFHpA)	90.1	79.0	88.6			6.81
	Perfluoroheptanoic acid (PFHpA)	75.4	69.2	83.7			9.14
	Perfluoroheptanoic acid (PFHpA)	107	92.2	92.1			0.109
	Perfluoroheptanoic acid (PFHpA)	78.8	109	97.7			9.70
	Perfluoroheptanoic acid (PFHpA)	90.3	105	80.3			26.8
	Perfluorohexanesulfonic acid (PFHxS)	95.5	103	98.6			3.96
	Perfluorohexanesulfonic acid (PFHxS)	104	99.1	86.8			10.1
	Perfluorohexanesulfonic acid (PFHxS)	100	77.6	81.2			0.910
	Perfluorohexanesulfonic acid (PFHxS)	87.7	86.1	85.6			0.0415
	Perfluorohexanesulfonic acid (PFHxS)	88.2	92.5	95.6			2.80
	Perfluorohexanesulfonic acid (PFHxS)	80.8	98.4	86.8			11.2
	Perfluorohexanesulfonic acid (PFHxS)	84.4	91.3	88.2			2.93
	Perfluorohexanoic acid (PFHxA)	97.7	99.3	75.4			23.8
	Perfluorohexanoic acid (PFHxA)	98.9	80.1	72.1			4.89
	Perfluorohexanoic acid (PFHxA)	104	85.3	91.0			3.86
	Perfluorohexanoic acid (PFHxA)	88.6	81.0	88.1			3.84
	Perfluorohexanoic acid (PFHxA)	94.4	96.6	84.5			11.3
	Perfluorohexanoic acid (PFHxA)	96.6	93.8	102			6.05
	Perfluorohexanoic acid (PFHxA)	90.6	89.0	93.4			3.48
	Perfluorononanesulfonic acid (PFNS)	107	115	106			6.79
	Perfluorononanesulfonic acid (PFNS)	109	118	102			13.6
	Perfluorononanesulfonic acid (PFNS)	110	104	120			9.46
	Perfluorononanesulfonic acid (PFNS)	105	95.6	85.7			8.10
	Perfluorononanesulfonic acid (PFNS)	94.9	94.8	83.6			12.6
	Perfluorononanesulfonic acid (PFNS)	95.5	93.1	94.7			1.70
	Perfluorononanesulfonic acid (PFNS)	91.1	106	97.1			8.76

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluorononanoic acid (PFNA)	90.9	81.7	84.1			2.90
	Perfluorononanoic acid (PFNA)	71.6	77.9	75.4			3.26
	Perfluorononanoic acid (PFNA)	72.7	116	115			0.462
	Perfluorononanoic acid (PFNA)	92.6	69.9	80.0			9.32
	Perfluorononanoic acid (PFNA)	66.7	82.4	73.2			11.8
	Perfluorononanoic acid (PFNA)	70.8	85.8	76.8			11.1
	Perfluorononanoic acid (PFNA)	69.7	84.3	65.7			24.8
	Perfluorooctanesulfonic acid (PFOS)	101					5.31
	Perfluorooctanesulfonic acid (PFOS)	102					1.12
	Perfluorooctanesulfonic acid (PFOS)	106					7.93
	Perfluorooctanesulfonic acid (PFOS)	100					11.7
	Perfluorooctanesulfonic acid (PFOS)	97.6	85.0	81.5			1.31
	Perfluorooctanesulfonic acid (PFOS)	91.2					5.73
	Perfluorooctanesulfonic acid (PFOS)	92.0	110	104			5.32
	Perfluorooctanoic acid (PFOA)	97.4	108	101			6.88
	Perfluorooctanoic acid (PFOA)	109	93.8	110			14.4
	Perfluorooctanoic acid (PFOA)	110	114	99.3			8.80
	Perfluorooctanoic acid (PFOA)	99.7	84.4	90.1			3.73
	Perfluorooctanoic acid (PFOA)	95.0	97.4	89.7			6.95
	Perfluorooctanoic acid (PFOA)	86.3	73.8	83.3			6.80
	Perfluorooctanoic acid (PFOA)	122	103	115			11.1
	Perfluoropentanesulfonic acid (PFPeS)	133	115	116			0.605
	Perfluoropentanesulfonic acid (PFPeS)	108	112	116			2.90
	Perfluoropentanesulfonic acid (PFPeS)	124	107	109			1.34
	Perfluoropentanesulfonic acid (PFPeS)	104	104	109			4.63
	Perfluoropentanesulfonic acid (PFPeS)	105	108	160			38.5
	Perfluoropentanesulfonic acid (PFPeS)	97.9	109	99.9			8.13
	Perfluoropentanesulfonic acid (PFPeS)	73.3	110	107			2.67
	Perfluoropentanoic acid (PFPeA)	91.4	105	93.5			11.2
	Perfluoropentanoic acid (PFPeA)	98.6	98.7	81.6			7.87
	Perfluoropentanoic acid (PFPeA)	85.8	93.3	99.7			3.94
	Perfluoropentanoic acid (PFPeA)	93.2					14.7
	Perfluoropentanoic acid (PFPeA)	86.2	96.0	77.8			17.3
	Perfluoropentanoic acid (PFPeA)	84.9	92.3	85.2			5.46
	Perfluoropentanoic acid (PFPeA)	86.1	77.0	87.0			7.97
	Perfluoropropanesulfonic acid (PFPrS)	146	83.5	81.4			2.55
	Perfluoropropanesulfonic acid (PFPrS)	92.7	89.9	93.1			3.50
	Perfluoropropanesulfonic acid (PFPrS)	108	107	115			7.47
	Perfluoropropanesulfonic acid (PFPrS)	64.0	86.8	109			22.9

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Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		Precision		
						LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)	94.4		108	139			25.0
	Perfluoropropanesulfonic acid (PFPrS)	93.9		90.4	90.9			0.552
	Perfluoropropanesulfonic acid (PFPrS)	94.3		125	98.1			24.4
	Perfluorotetradecanoic acid (PFTeA)	94.5		93.6	91.4			2.38
	Perfluorotetradecanoic acid (PFTeA)	74.7		102	84.5			18.4
	Perfluorotetradecanoic acid (PFTeA)	90.7		84.6	92.5			8.92
	Perfluorotetradecanoic acid (PFTeA)	99.1		106	92.3			14.2
	Perfluorotetradecanoic acid (PFTeA)	92.2		95.6	97.9			2.38
	Perfluorotetradecanoic acid (PFTeA)	88.6		86.6	77.6			11.0
	Perfluorotetradecanoic acid (PFTeA)	85.2		89.2	91.1			2.11
	Perfluorotridecanoic acid (PFTriA)	87.2		88.9	68.5			19.2
	Perfluorotridecanoic acid (PFTriA)	73.6		87.3	86.0			1.50
	Perfluorotridecanoic acid (PFTriA)	81.9		75.3	82.8			9.49
	Perfluorotridecanoic acid (PFTriA)	89.9		109	82.2			9.74
	Perfluorotridecanoic acid (PFTriA)	133		126	96.4			26.7
	Perfluorotridecanoic acid (PFTriA)	118		116	89.9			25.4
	Perfluorotridecanoic acid (PFTriA)	75.8		106	83.3			23.5
	Perfluoroundecanoic acid (PFUnA)	64.3		84.5	83.6			1.26
	Perfluoroundecanoic acid (PFUnA)	103		73.3	68.5			4.57
	Perfluoroundecanoic acid (PFUnA)	94.8		86.5	86.2			0.509
	Perfluoroundecanoic acid (PFUnA)	87.7		91.6	61.3			15.3
	Perfluoroundecanoic acid (PFUnA)	85.5		104	90.1			14.8
	Perfluoroundecanoic acid (PFUnA)	99.4		111	84.2			27.5
	Perfluoroundecanoic acid (PFUnA)	90.3		71.0	92.0			21.9
EPA 8260D	1,1-Dichloroethane	100	96.5	113	103	3.84		9.86
	1,1-Dichloroethane	99.2	103	94.4	95.1	3.61		0.792
	1,1-Dichloroethene	84.0	82.2	91.1	83.1	2.19		9.19
	1,1-Dichloroethene	81.7	85.2	97.8	99.3	4.19		1.57
	1,1,1-Trichloroethane	93.7	92.6	100	92.1	1.16		8.57
	1,1,1-Trichloroethane	101	103	102	102	2.50		0.147
	1,1,2-Trichloroethane	106	97.8	100	94.3	7.78		5.98
	1,1,2-Trichloroethane	95.4	106	104	108	10.9		3.26
	1,1,2,2-Tetrachloroethane	103	99.3	84.8	79.3	3.82		6.72
	1,1,2,2-Tetrachloroethane	99.2	95.6	103	98.0	3.70		4.49
	1,2-Dichlorobenzene	102	98.1	78.7	78.2	3.89		0.599
	1,2-Dichlorobenzene	98.8	93.7	94.4	90.6	5.35		4.16
	1,2-Dichloroethane	98.2	93.9	103	94.6	4.46		8.92
	1,2-Dichloroethane	108	110	107	106	2.16		0.892
	1,2-Dichloropropane	98.2	93.1	108	99.1	5.29		8.28
	1,2-Dichloropropane	104	106	102	103	2.24		0.293
	1,3-Dichlorobenzene	101	99.0	84.2	84.6	2.31		0.545
	1,3-Dichlorobenzene	107	101	103	98.4	6.35		4.57
	1,4-Dichlorobenzene	99.7	97.3	84.4	85.2	2.46		0.967
	1,4-Dichlorobenzene	106	101	101	97.2	4.99		4.28
	2-Butanone	106	103	88.6	74.3	2.97		17.6
	2-Butanone	98.1	101	96.4	100	2.63		3.68

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		Precision		
						LCS	SMP	MS
EPA 8260D	Benzene	96.7	93.8	108	98.6	3.10		8.73
	Benzene	102	106	101	101	3.81		0.0991
	Bromodichloromethane	99.7	95.5	108	97.8	4.24		9.97
	Bromodichloromethane	110	112	106	105	1.62		0.666
	Bromoform	109	103	92.8	88.6	5.80		4.69
	Bromoform	103	101	98.4	95.8	1.81		2.68
	Bromomethane	91.8	91.2	97.9	88.6	0.590		9.90
	Bromomethane	108	112	114	109	3.96		4.54
	Carbon tetrachloride	98.1	96.8	102	93.0	1.36		8.78
	Carbon tetrachloride	105	108	103	102	2.77		0.584
	Chlorobenzene	107	103	106	105	4.18		1.29
	Chlorobenzene	106	102	98.6	96.0	3.91		2.67
	Chloroethane	81.5	82.3	90.2	85.4	0.952		5.44
	Chloroethane	104	105	121	116	1.01		4.81
	Chloroform	99.2	95.5	112	101	3.77		9.90
	Chloroform	105	108	101	101	2.86		0.197
	Chloromethane	75.2	73.8	82.6	73.7	1.80		11.3
	Chloromethane	94.8	98.0	114	116	3.42		1.30
	cis-1,2-Dichloroethene	94.5	88.3	105	97.5	6.77		7.83
	cis-1,2-Dichloroethene	96.2	99.8	98.4	99.6	3.62		1.21
	cis-1,3-Dichloropropene	101	96.6	102	93.3	4.04		8.88
	cis-1,3-Dichloropropene	101	104	96.0	96.5	2.79		0.467
	Dibromochloromethane	114	107	108	106	6.23		1.45
	Dibromochloromethane	103	99.9	91.6	89.8	2.67		1.93
	Ethylbenzene	107	104	104	104	3.25		0.163
	Ethylbenzene	110	106	103	101	3.43		1.62
	m,p-Xylene	108	104	104	104	3.76		0.297
	m,p-Xylene	108	105	102	101	2.73		0.892
	Methyl-t-butyl ether	96.1	93.0	99.5	87.1	3.24		13.3
	Methyl-t-butyl ether	93.0	97.6	94.0	97.4	4.78		3.66
	Methylene chloride	97.6	91.9	114	102	6.00		11.7
	Methylene chloride	99.8	102	100	101	2.52		0.744
	o-Xylene	100	95.6	95.1	95.6	4.57		0.472
	o-Xylene	113	109	103	104	3.83		0.191
	Tetrachloroethene	103	102	102	104	1.15		1.72
	Tetrachloroethene	95.3	99.6	95.6	98.2	4.41		2.79
	Toluene	99.6	97.0	110	99.7	2.66		9.62
	Toluene	107	110	104	103	2.81		0.776
	trans-1,2-Dichloroethene	88.8	85.1	99.5	87.8	4.15		12.5
	trans-1,2-Dichloroethene	89.0	93.1	98.6	99.2	4.45		0.657
	trans-1,3-Dichloropropene	102	95.7	95.2	90.8	6.75		4.71
	trans-1,3-Dichloropropene	97.8	101	95.4	99.1	3.07		3.86
	Trichloroethene	99.8	98.6	109	103	1.18		6.24
	Trichloroethene	102	107	97.3	97.6	4.16		0.308
	Trichlorofluoromethane	97.2	96.2	101	92.0	0.982		9.15
	Trichlorofluoromethane	115	115	114	108	0.0869		5.58
	Vinyl chloride	89.7	88.5	96.5	89.9	1.34		7.04
	Vinyl chloride	107	110	114	110	2.68		3.98
EPA 8270E	1,2,4-Trichlorobenzene	116		101	94.4			7.05
	1,2,4-Trichlorobenzene	97.8		98.6	96.2			2.47
	2-Chloronaphthalene	116		114	110			4.02
	2-Chloronaphthalene	102		106	105			1.40
	2-Chlorophenol	114		116	107			7.96
	2-Chlorophenol	103		102	97.8			3.81

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	2-Methyl-4,6-dinitrophenol	108	150	140			6.42
	2-Methyl-4,6-dinitrophenol	92.8	104	98.4			5.15
	2-Nitrophenol	120	126	118			6.87
	2-Nitrophenol	77.5	78.6	75.3			4.31
	2,4-Dichlorophenol	122	121	113			6.94
	2,4-Dichlorophenol	108	112	112			0.465
	2,4-Dimethylphenol	105	110	104			5.43
	2,4-Dimethylphenol	106	111	109			1.63
	2,4-Dinitrophenol	104	104	107			2.57
	2,4-Dinitrophenol	88.7	111	111			0.721
	2,4-Dinitrotoluene	118	122	120			2.15
	2,4-Dinitrotoluene	110	113	110			2.72
	2,4,6-Trichlorophenol	118	127	124			2.55
	2,4,6-Trichlorophenol	111	119	117			2.03
	2,6-Dinitrotoluene	127	138	140			1.51
	2,6-Dinitrotoluene	118	120	119			0.636
	3,3'-Dichlorobenzidine	110	95.9	92.2			3.93
	3,3'-Dichlorobenzidine	96.4	101	106			4.64
	4-Bromophenyl phenyl ether	117	113	111			1.70
	4-Bromophenyl phenyl ether	112	119	119			0.370
	4-Chloro-3-methylphenol	117	116	104			10.5
	4-Chloro-3-methylphenol	120	129	127			2.28
	4-Chlorophenyl phenyl ether	105	106	104			1.33
	4-Chlorophenyl phenyl ether	110	117	115			1.69
	4-Nitrophenol	61.9	75.8	74.6			1.60
	4-Nitrophenol	127	130	125			3.77
	Acenaphthene	109	107	104			2.83
	Acenaphthene	105	110	107			2.47
	Acenaphthylene	107	109	105			3.36
	Acenaphthylene	104	110	107			2.36
	Anthracene	124	118	118			0.0846
	Anthracene	107	111	108			2.08
	Azobenzene/1,2-Diphenylhydrazine	129	120	122			1.16
	Azobenzene/1,2-Diphenylhydrazine	114	119	117			1.90
	Benzidine	77.7	8.50	8.50			0.0
	Benzidine	121	51.6	59.8			14.7
	Benzo(a)anthracene	119	111	113			1.24
	Benzo(a)anthracene	125	134	130			3.09
	Benzo(a)pyrene	122	123	129			4.60
	Benzo(a)pyrene	114	114	110			3.41
	Benzo(b)fluoranthene	118	121	124			2.04
	Benzo(b)fluoranthene	121	118	121			2.49
	Benzo(g,h,i)perylene	129	122	126			3.07
	Benzo(g,h,i)perylene	114	117	112			4.85
	Benzo(k)fluoranthene	124	122	128			5.28
	Benzo(k)fluoranthene	120	117	105			10.0
	Bis(2-chloroethoxy)methane	127	128	119			7.20
	Bis(2-chloroethoxy)methane	103	105	102			2.44
	Bis(2-chloroethyl)ether	112	112	103			8.18
	Bis(2-chloroethyl)ether	80.3	79.5	74.8			6.06
	Bis(2-chloroisopropyl)ether	108	109	99.2			9.41
	Bis(2-chloroisopropyl)ether	90.2	89.0	84.2			5.50
	Bis(2-ethylhexyl)phthalate	140	140	140			0.357
	Bis(2-ethylhexyl)phthalate	146	138	139			0.519

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Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		Precision		
						LCS	SMP	MS
EPA 8270E	Butyl benzyl phthalate	130		124	120			4.10
	Butyl benzyl phthalate	123		130	125			4.45
	Chrysene	126		122	123			1.05
	Chrysene	122		128	125			2.98
	Di-n-butyl phthalate	124		118	118			0.423
	Di-n-butyl phthalate	115		116	116			0.552
	Di-n-octyl phthalate	118		124	127			2.23
	Di-n-octyl phthalate	121		117	112			4.26
	Dibenzo(a,h)anthracene	128		127	123			3.28
	Dibenzo(a,h)anthracene	121		119	115			3.68
	Diethyl phthalate	117		123	123			0.163
	Diethyl phthalate	121		126	122			2.71
	Dimethyl phthalate	118		122	118			2.67
	Dimethyl phthalate	113		118	116			1.92
	Fluoranthene	122		113	111			1.60
	Fluoranthene	112		118	116			2.23
	Fluorene	105		106	104			2.10
	Fluorene	105		114	113			0.988
	Hexachlorobenzene	106		112	110			2.23
	Hexachlorobutadiene	95.4		96.2	93.5			2.91
	Hexachlorocyclopentadiene	64.1		33.4	18.5			57.4
	Hexachloroethane	98.4		90.5	84.3			7.09
	Hexachloroethane	84.9		73.2	59.0			21.4
	Indeno(1,2,3-cd)pyrene	124		129	130			0.619
	Indeno(1,2,3-cd)pyrene	120		119	114			4.08
	Isophorone	125		127	118			6.61
	Isophorone	99.3		101	98.4			2.65
	m,p-Cresols	116		118	121			2.80
	N-Nitrosodi-n-propylamine	120		125	114			9.32
	N-Nitrosodi-n-propylamine	106		104	99.3			5.07
	N-Nitrosodimethylamine	95.3		91.4	90.3			1.21
	N-Nitrosodimethylamine	95.4		90.6	84.7			6.71
	N-Nitrosodiphenylamine/ Diphenylamine	120		118	117			0.853
	N-Nitrosodiphenylamine/ Diphenylamine	112		87.7	96.0			8.97
	Naphthalene	109		98.9	91.4			7.88
	Naphthalene	97.9		98.3	96.4			1.93
	Nitrobenzene	126		119	110			7.59
	Nitrobenzene	101		101	97.5			3.15
	o-Cresol	96.1		104	92.8			11.1
	Pentachlorophenol	107		124	119			4.69
	Pentachlorophenol	126		133	135			1.31
	Phenanthrene	120		113	113			0.265
	Phenanthrene	108		113	111			1.71
	Phenol	91.5		89.3	83.2			7.07
	Phenol	99.4		98.7	96.0			2.71
	Pyrene	128		121	119			2.17
	Pyrene	123		130	127			2.59
FL-PRO 2018	TRPH	88.6	101			12.8		
	TRPH	72.8	72.0	71.8	76.6	1.17		6.39

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: LC-001-3	Perfluorinated alkyl substances in sediment/solid matrices by HPLC/MS/MS	2292794, 2292795, 2292796, 2292797, 2292798, 2292799, 2292800, 2292801, 2292802, 2292803, 2292804, 2292805, 2292806, 2292807, 2292808, 2292809, 2292810, 2292811, 2292812, 2292813, 2292814, 2292815, 2292816, 2292817, 2292854, 2292855, 2292856, 2292857, 2292858, 2292859, 2292860, 2292861, 2292862, 2292863, 2292864, 2292865, 2292866, 2292867, 2292868, 2292869, 2292870, 2292871, 2292872, 2292873, 2292874, 2292875, 2292876, 2292877, 2292915, 2292916, 2292917, 2292918, 2292919, 2292920, 2292921, 2292922, 2292923, 2292924, 2292925, 2292926, 2292927, 2292928, 2292929, 2292930, 2292931, 2292932, 2292977, 2292978, 2292979, 2292980, 2292981, 2292982, 2292983, 2292984, 2292985, 2292986, 2292987, 2292988, 2292989, 2292990, 2292991, 2292992, 2292993, 2292994
DEP SOP: LC-001-3	Perfluorinated alkyl substances in water matrices by HPLC/MS/MS	2293047, 2293048, 2293049, 2293050, 2293051, 2293052, 2293053, 2293054, 2293055, 2293056, 2293057, 2293058, 2293059, 2293060, 2293061, 2293062, 2293063, 2293064, 2293065
EPA 8260D	Volatile organic pollutants in acid preserved water matrices using GC/MS	2293069, 2293070
EPA 8260D	Volatile organic pollutants in soil matrix using GC/MS (heated purge - low level)	2292933, 2292934, 2292935, 2292936, 2292937, 2292938, 2292995, 2292996, 2292997, 2292998
EPA 8270E	EPA Method 8270, Semi-volatile organic pollutants including PAHs, excluding PCBs and Toxaphene, in water matrices by GC/MS.	2293046
EPA 8270E	Semi-volatile organic pollutants, excluding PCBs and Toxaphene, in soil/sediments by GC/MS.	2292909, 2292910, 2292911, 2292912, 2292913, 2292914, 2292973, 2292974, 2292975, 2292976
FL-PRO 2018	Total recoverable petroleum hydrocarbons in sediment/soil samples by GC-FID.	2292909, 2292910, 2292911, 2292912, 2292913, 2292914, 2292973, 2292974, 2292975, 2292976
FL-PRO 2018	Total recoverable petroleum hydrocarbons in water samples by GC-FID.	2293045
SM 2540 G (20th)	Percent solid determination before the other sample preparations.	2292830, 2292831, 2292832, 2292833, 2292834, 2292835, 2292836, 2292837, 2292838, 2292839, 2292840, 2292841, 2292842, 2292843, 2292844, 2292845, 2292846, 2292847, 2292848, 2292849, 2292850, 2292851, 2292852, 2292853, 2292878, 2292879, 2292880, 2292881, 2292882, 2292883, 2292884, 2292885, 2292886, 2292887, 2292888, 2292889, 2292890, 2292891, 2292892, 2292893, 2292894, 2292895, 2292896, 2292897, 2292898, 2292899, 2292900, 2292901, 2292939, 2292940, 2292941, 2292942, 2292943, 2292944, 2292945, 2292946, 2292947, 2292948, 2292949, 2292950, 2292951, 2292952, 2292953, 2292954, 2292955, 2292956, 2292957, 2292958, 2292959, 2292960, 2292961, 2292962, 2292999, 2293000, 2293001, 2293002, 2293003, 2293004, 2293005, 2293006, 2293007, 2293008, 2293009, 2293010, 2293011, 2293012, 2293013, 2293014, 2293015, 2293016, 2293017, 2293018, 2293019, 2293020

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
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	12/03/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 17:58	Mohammad Ghaffari	2292798
	12/03/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 18:09	Mohammad Ghaffari	2292799
	12/03/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 18:20	Mohammad Ghaffari	2292800
	12/03/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 18:31	Mohammad Ghaffari	2292801
	12/03/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 18:41	Mohammad Ghaffari	2292802
	12/03/2021	12/06/2021 10:00	Manjita Shrestha	12/07/2021 18:52	Mohammad Ghaffari	2292803
	12/03/2021	12/06/2021 10:00	Manjita Shrestha	12/08/2021 08:38	Mohammad Ghaffari	2292800
	12/03/2021	12/06/2021 10:00	Manjita Shrestha	12/08/2021 08:48	Mohammad Ghaffari	2292801
	12/03/2021	12/06/2021 10:00	Manjita Shrestha	12/08/2021 08:59	Mohammad Ghaffari	2292803
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	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/08/2021 11:12	Mohammad Ghaffari	2292805
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	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/08/2021 11:34	Mohammad Ghaffari	2292807
	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/08/2021 11:55	Mohammad Ghaffari	2292808
	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/08/2021 12:06	Mohammad Ghaffari	2292809
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	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/08/2021 12:38	Mohammad Ghaffari	2292812
	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/08/2021 12:49	Mohammad Ghaffari	2292813
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	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/08/2021 16:25	Mohammad Ghaffari	2292862
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	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/08/2021 17:08	Mohammad Ghaffari	2292865
	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/08/2021 17:19	Mohammad Ghaffari	2292866

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
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	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/08/2021 18:13	Mohammad Ghaffari	2292871
	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/08/2021 18:34	Mohammad Ghaffari	2292872
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	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/08/2021 20:22	Mohammad Ghaffari	2292809
	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/08/2021 20:33	Mohammad Ghaffari	2292811
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	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/09/2021 02:08	Mohammad Ghaffari	2292860
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	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/09/2021 08:41	Mohammad Ghaffari	2292875
	12/03/2021	12/07/2021 10:00	Manjita Shrestha	12/09/2021 08:52	Mohammad Ghaffari	2292877
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	12/03/2021	12/08/2021 10:00	Manjita Shrestha	12/09/2021 11:03	Mohammad Ghaffari	2292919
	12/03/2021	12/08/2021 10:00	Manjita Shrestha	12/09/2021 11:14	Mohammad Ghaffari	2292920
	12/03/2021	12/08/2021 10:00	Manjita Shrestha	12/09/2021 11:36	Mohammad Ghaffari	2292921
	12/03/2021	12/08/2021 10:00	Manjita Shrestha	12/09/2021 11:47	Mohammad Ghaffari	2292922
	12/03/2021	12/08/2021 10:00	Manjita Shrestha	12/09/2021 11:57	Mohammad Ghaffari	2292923
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	12/03/2021	12/08/2021 10:00	Manjita Shrestha	12/09/2021 13:24	Mohammad Ghaffari	2292930
	12/03/2021	12/08/2021 10:00	Manjita Shrestha	12/09/2021 13:35	Mohammad Ghaffari	2292931
	12/03/2021	12/08/2021 10:00	Manjita Shrestha	12/09/2021 13:45	Mohammad Ghaffari	2292932

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
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	12/03/2021	12/08/2021 10:00	Manjita Shrestha	12/09/2021 14:18	Mohammad Ghaffari	2292979
	12/03/2021	12/08/2021 10:00	Manjita Shrestha	12/09/2021 14:28	Mohammad Ghaffari	2292980
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	12/03/2021	12/08/2021 10:00	Manjita Shrestha	12/09/2021 15:24	Mohammad Ghaffari	2292918
	12/03/2021	12/08/2021 10:00	Manjita Shrestha	12/09/2021 15:35	Mohammad Ghaffari	2292924
	12/03/2021	12/09/2021 09:00	Hoor Shaik	12/10/2021 09:44	Mohammad Ghaffari	2293047
	12/03/2021	12/09/2021 09:00	Hoor Shaik	12/10/2021 09:54	Mohammad Ghaffari	2293048
	12/03/2021	12/09/2021 09:00	Hoor Shaik	12/10/2021 10:05	Mohammad Ghaffari	2293049
	12/03/2021	12/09/2021 09:00	Hoor Shaik	12/10/2021 10:16	Mohammad Ghaffari	2293050
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/10/2021 16:52	Mohammad Ghaffari	2293051
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/10/2021 17:03	Mohammad Ghaffari	2293052
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/10/2021 17:14	Mohammad Ghaffari	2293053
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/10/2021 17:25	Mohammad Ghaffari	2293054
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	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/10/2021 17:57	Mohammad Ghaffari	2293065
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/10/2021 18:18	Mohammad Ghaffari	2293062
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	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/10/2021 19:23	Mohammad Ghaffari	2293055
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/10/2021 19:34	Mohammad Ghaffari	2293057
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/10/2021 19:55	Mohammad Ghaffari	2293058
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/10/2021 20:06	Mohammad Ghaffari	2293059
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/10/2021 20:17	Mohammad Ghaffari	2293060
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/10/2021 20:28	Mohammad Ghaffari	2293061
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	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/11/2021 15:34	Mohammad Ghaffari	2293055
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/11/2021 15:45	Mohammad Ghaffari	2293058
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/11/2021 15:56	Mohammad Ghaffari	2293063
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/11/2021 16:07	Mohammad Ghaffari	2293056
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/11/2021 16:17	Mohammad Ghaffari	2293065
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/11/2021 17:22	Mohammad Ghaffari	2293057
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/11/2021 17:33	Mohammad Ghaffari	2293057
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/11/2021 17:44	Mohammad Ghaffari	2293061
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/11/2021 17:54	Mohammad Ghaffari	2293061
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/11/2021 18:05	Mohammad Ghaffari	2293063
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/12/2021 15:29	Mohammad Ghaffari	2293062
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/12/2021 15:40	Mohammad Ghaffari	2293064
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/12/2021 15:50	Mohammad Ghaffari	2293062
	12/03/2021	12/10/2021 09:00	Hoor Shaik	12/12/2021 16:01	Mohammad Ghaffari	2293064

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
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	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 09:16	Mohammad Ghaffari	2292982
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 09:27	Mohammad Ghaffari	2292984
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 09:38	Mohammad Ghaffari	2292985
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 09:49	Mohammad Ghaffari	2292986
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 10:10	Mohammad Ghaffari	2292987
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 10:21	Mohammad Ghaffari	2292988
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 10:32	Mohammad Ghaffari	2292989
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 10:43	Mohammad Ghaffari	2292990
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 10:53	Mohammad Ghaffari	2292991
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 11:04	Mohammad Ghaffari	2292992
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 11:15	Mohammad Ghaffari	2292993
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 11:26	Mohammad Ghaffari	2292994
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 12:09	Mohammad Ghaffari	2292986
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 12:20	Mohammad Ghaffari	2292991
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 12:30	Mohammad Ghaffari	2292992
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/16/2021 12:41	Mohammad Ghaffari	2292993
	12/03/2021	12/15/2021 11:00	Manjita Shrestha	12/17/2021 08:26	Mohammad Ghaffari	2292983
EPA 8260D	12/03/2021	12/07/2021 14:00	Yi Lin Luo	12/07/2021 22:56	Yi Lin Luo	2292933
	12/03/2021	12/07/2021 14:00	Yi Lin Luo	12/07/2021 23:20	Yi Lin Luo	2292934
	12/03/2021	12/07/2021 14:00	Yi Lin Luo	12/07/2021 23:45	Yi Lin Luo	2292935
	12/03/2021	12/07/2021 14:00	Yi Lin Luo	12/08/2021 00:10	Yi Lin Luo	2292936
	12/03/2021	12/07/2021 14:00	Yi Lin Luo	12/08/2021 00:35	Yi Lin Luo	2292937
	12/03/2021	12/07/2021 14:00	Yi Lin Luo	12/08/2021 00:59	Yi Lin Luo	2292938
	12/03/2021	12/07/2021 14:00	Yi Lin Luo	12/08/2021 01:49	Yi Lin Luo	2292995
	12/03/2021	12/07/2021 14:00	Yi Lin Luo	12/08/2021 02:14	Yi Lin Luo	2292996
	12/03/2021	12/07/2021 14:00	Yi Lin Luo	12/08/2021 02:38	Yi Lin Luo	2292997
	12/03/2021	12/07/2021 14:00	Yi Lin Luo	12/08/2021 03:03	Yi Lin Luo	2292998
	12/03/2021	12/09/2021 11:00	Yi Lin Luo	12/09/2021 13:54	Yi Lin Luo	2293069
	12/03/2021	12/09/2021 11:00	Yi Lin Luo	12/09/2021 14:20	Yi Lin Luo	2293070
EPA 8270E	12/03/2021	12/07/2021 09:00	Hoor Shaik	12/09/2021 12:55	Juyoung Kim	2293046
	12/03/2021	12/07/2021 09:00	Hoor Shaik	12/09/2021 14:29	Juyoung Kim	2293046
	12/03/2021	12/15/2021 09:00	Hoor Shaik	12/16/2021 20:45	Juyoung Kim	2292909
	12/03/2021	12/15/2021 09:00	Hoor Shaik	12/16/2021 21:18	Juyoung Kim	2292910
	12/03/2021	12/15/2021 09:00	Hoor Shaik	12/17/2021 07:53	Juyoung Kim	2292911
	12/03/2021	12/15/2021 09:00	Hoor Shaik	12/17/2021 08:24	Juyoung Kim	2292912
	12/03/2021	12/15/2021 09:00	Hoor Shaik	12/17/2021 08:56	Juyoung Kim	2292913
	12/03/2021	12/15/2021 09:00	Hoor Shaik	12/17/2021 09:28	Juyoung Kim	2292914

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	12/03/2021	12/15/2021 09:00	Hoor Shaik	12/17/2021 10:01	Juyoung Kim	2292973
	12/03/2021	12/15/2021 09:00	Hoor Shaik	12/17/2021 10:34	Juyoung Kim	2292974
	12/03/2021	12/15/2021 09:00	Hoor Shaik	12/17/2021 11:07	Juyoung Kim	2292975
	12/03/2021	12/15/2021 09:00	Hoor Shaik	12/17/2021 11:40	Juyoung Kim	2292976
FL-PRO 2018	12/03/2021	12/08/2021 08:00	Julie Wi	12/13/2021 08:41	Julie Wi	2293045
	12/03/2021	12/09/2021 08:00	Julie Wi	12/14/2021 14:14	Julie Wi	2292913
	12/03/2021	12/09/2021 08:00	Julie Wi	12/14/2021 14:53	Julie Wi	2292909
	12/03/2021	12/09/2021 08:00	Julie Wi	12/14/2021 15:31	Julie Wi	2292910
	12/03/2021	12/09/2021 08:00	Julie Wi	12/14/2021 16:10	Julie Wi	2292911
	12/03/2021	12/09/2021 08:00	Julie Wi	12/14/2021 16:48	Julie Wi	2292912
	12/03/2021	12/09/2021 08:00	Julie Wi	12/14/2021 17:27	Julie Wi	2292914
	12/03/2021	12/09/2021 08:00	Julie Wi	12/14/2021 18:05	Julie Wi	2292973
	12/03/2021	12/09/2021 08:00	Julie Wi	12/14/2021 18:44	Julie Wi	2292974
	12/03/2021	12/09/2021 08:00	Julie Wi	12/14/2021 19:23	Julie Wi	2292975
	12/03/2021	12/09/2021 08:00	Julie Wi	12/14/2021 20:01	Julie Wi	2292976

Chemical Analysis Report

SIS-2021-12-16-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

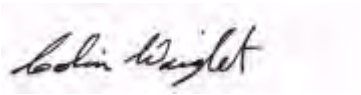
Event Description: **Fire Academy of the South**
Request ID: **RQ-2021-11-15-48**
Customer: **SIS**
Project ID: **SIS-PFAS**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Road
Twin Towers Bldg. MS# 4515
Tallahassee, FL 32399
Attn: Jeff Newton

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Colin Wright, Program Administrator

Date Certified: 27-JAN-2022 14:42



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: Fire Academy of the South-FSCJ: ERIC_7421 **Collection Date/Time: 12/14/2021 11:05**

Field ID: EQB-Screenpoint-1 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295834	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407836	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407836	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407836	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407836	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407836	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407836	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407836	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407836	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407836	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407836	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407836	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407836	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407836	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407836	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407836	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407836	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407836	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407836	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407836	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P407836	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P407836	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407836	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407836	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407836	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407836	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407836	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407836	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407836	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407836	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407836	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407836	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407836	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407836	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407836	

Field ID: EQB-Screenpoint-1 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295834	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407836	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407836	

Sample Location: Fire Academy of the South-FSCJ: ERIC_7421 **Collection Date/Time: 12/14/2021 13:35**

Field ID: VP-3-20-24 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295836	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	9.0		ng/L	P407836	
		Perfluorobutanoic acid (PFBA)**	98		ng/L	P407836	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407836	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407836	
		Perfluoroheptanoic acid (PFHpA)**	18		ng/L	P407836	
		Perfluorohexanesulfonic acid (PFHxS)**	12		ng/L	P407836	
		Perfluorohexanoic acid (PFHxA)**	140		ng/L	P407836	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407836	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407836	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407836	
		Perfluoropentanoic acid (PFPeA)**	410		ng/L	P407836	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407836	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407836	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407836	
		Perfluoropentanesulfonic acid (PFPeS)**	4.0		ng/L	P407836	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407836	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407836	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407836	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407836	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.3	I	ng/L	P407836	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P407836	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407836	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407836	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407836	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407836	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	24	I	ng/L	P407836	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407836	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407836	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407836	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407836	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407836	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407836	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407836	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407836	

Field ID: VP-3-20-24

Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295836	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407836	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407836	

Sample Location: Fire Academy of the South-FSCJ: ERIC_7421 **Collection Date/Time: 12/15/2021 09:50**

Field ID: DEPSB-111-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295825	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P408042	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P408042	
		Perfluorodecanoic acid (PFDA)**	0.47	U	ug/Kg	P408042	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P408042	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P408042	
		Perfluorohexanesulfonic acid (PFHxS)**	0.15	I	ug/Kg	P408042	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P408042	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P408042	
		Perfluorooctanesulfonic acid (PFOS)**	5.1		ug/Kg	P408042	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P408042	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P408042	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P408042	
		Perfluoroundecanoic acid (PFUnA)**	0.24	U	ug/Kg	P408042	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P408042	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P408042	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P408042	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P408042	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P408042	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P408042	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P408042	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.22	I	ug/Kg	P408042	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P408042	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P408042	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P408042	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P408042	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P408042	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P408042	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P408042	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P408042	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P408042	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P408042	

Field ID: DEPSB-111-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295825	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P408042	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.95	U	ug/Kg	P408042	
2295839	SM 2540 G (20th)	% Solid	87.9		%	P407731	

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.

Sample Location: Fire Academy of the South-FSCJ: ERIC_7421 **Collection Date/Time: 12/15/2021 09:55**

Field ID: DEPSB-111-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295826	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P408042	
		Perfluorobutanoic acid (PFBA)**	0.48	U	ug/Kg	P408042	
		Perfluorodecanoic acid (PFDA)**	0.48	U	ug/Kg	P408042	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P408042	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P408042	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	U	ug/Kg	P408042	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P408042	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P408042	
		Perfluorooctanesulfonic acid (PFOS)**	1.3		ug/Kg	P408042	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P408042	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P408042	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P408042	
		Perfluoroundecanoic acid (PFUnA)**	0.24	U	ug/Kg	P408042	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P408042	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P408042	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P408042	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P408042	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P408042	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P408042	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P408042	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P408042	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P408042	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P408042	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P408042	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P408042	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P408042	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.48	U	ug/Kg	P408042	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P408042	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P408042	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P408042	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P408042	

Field ID: DEPSB-111-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295826	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P408042	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.95	U	ug/Kg	P408042	
2295840	SM 2540 G (20th)	% Solid	87.6		%	P407731	

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.

Sample Location: Fire Academy of the South-FSCJ: ERIC_7421 **Collection Date/Time: 12/15/2021 10:00**

Field ID: DEPSB-111-3.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295827	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P408042	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P408042	
		Perfluorodecanoic acid (PFDA)**	0.49	U	ug/Kg	P408042	
		Perfluorododecanoic acid (PFDoA)**	0.25	U	ug/Kg	P408042	
		Perfluoroheptanoic acid (PFHpA)**	0.25	U	ug/Kg	P408042	
		Perfluorohexanesulfonic acid (PFHxS)**	0.19	I	ug/Kg	P408042	
		Perfluorohexanoic acid (PFHxA)**	0.25	U	ug/Kg	P408042	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P408042	
		Perfluorooctanesulfonic acid (PFOS)**	0.61	I	ug/Kg	P408042	
		Perfluorooctanoic acid (PFOA)**	0.25	U	ug/Kg	P408042	
		Perfluorotetradecanoic acid (PFTeA)**	0.25	U	ug/Kg	P408042	
		Perfluorotridecanoic acid (PFTriA)**	0.25	U	ug/Kg	P408042	
		Perfluoroundecanoic acid (PFUnA)**	0.25	U	ug/Kg	P408042	
		Perfluoropentanoic acid (PFPeA)**	0.25	U	ug/Kg	P408042	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P408042	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P408042	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P408042	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P408042	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P408042	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P408042	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P408042	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P408042	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P408042	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.25	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.25	U	ug/Kg	P408042	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P408042	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P408042	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P408042	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P408042	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P408042	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P408042	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P408042	

Field ID: DEPSB-111-3.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295827	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.25	U	ug/Kg	P408042	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.99	U	ug/Kg	P408042	
2295841	SM 2540 G (20th)	% Solid	85.6		%	P407731	

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.

Sample Location: Fire Academy of the South-FSCJ: ERIC_7421 **Collection Date/Time: 12/15/2021 10:20**

Field ID: SED-8 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295828	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.17	U	ug/Kg	P408042	
		Perfluorobutanoic acid (PFBA)**	0.70	U	ug/Kg	P408042	
		Perfluorodecanoic acid (PFDA)**	0.70	U	ug/Kg	P408042	
		Perfluorododecanoic acid (PFDoA)**	0.35	U	ug/Kg	P408042	
		Perfluoroheptanoic acid (PFHpA)**	0.35	U	ug/Kg	P408042	
		Perfluorohexanesulfonic acid (PFHxS)**	0.17	U	ug/Kg	P408042	
		Perfluorohexanoic acid (PFHxA)**	0.35	U	ug/Kg	P408042	
		Perfluorononanoic acid (PFNA)**	0.35	U	ug/Kg	P408042	
		Perfluorooctanesulfonic acid (PFOS)**	0.35	U	ug/Kg	P408042	
		Perfluorooctanoic acid (PFOA)**	0.35	U	ug/Kg	P408042	
		Perfluorotetradecanoic acid (PFTeA)**	0.35	U	ug/Kg	P408042	
		Perfluorotridecanoic acid (PFTriA)**	0.35	U	ug/Kg	P408042	
		Perfluoroundecanoic acid (PFUnA)**	0.35	U	ug/Kg	P408042	
		Perfluoropentanoic acid (PFPeA)**	0.35	U	ug/Kg	P408042	
		Perfluoropentanesulfonic acid (PFPeS)**	0.17	U	ug/Kg	P408042	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.17	U	ug/Kg	P408042	
		Perfluorononanesulfonic acid (PFNS)**	0.17	U	ug/Kg	P408042	
		Perfluorodecanesulfonic acid (PFDS)**	0.17	U	ug/Kg	P408042	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.17	U	ug/Kg	P408042	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.17	U	ug/Kg	P408042	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.17	U	ug/Kg	P408042	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.17	U	ug/Kg	P408042	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.35	U	ug/Kg	P408042	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.35	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.35	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.8	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.35	U	ug/Kg	P408042	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.17	U	ug/Kg	P408042	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.17	U	ug/Kg	P408042	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.70	U	ug/Kg	P408042	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.35	U	ug/Kg	P408042	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.35	U	ug/Kg	P408042	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.35	U	ug/Kg	P408042	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.35	U	ug/Kg	P408042	

Field ID: SED-8 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295828	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.35	U	ug/Kg	P408042	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.4	U	ug/Kg	P408042	
2295842	SM 2540 G (20th)	% Solid	67.4		%	P407731	

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.

Sample Location: Fire Academy of the South-FSCJ: ERIC_7421 **Collection Date/Time: 12/15/2021 10:55**

Field ID: DEPSB-112-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295829	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.21	I	ug/Kg	P408042	
		Perfluorobutanoic acid (PFBA)**	0.55	U	ug/Kg	P408042	
		Perfluorodecanoic acid (PFDA)**	0.55	U	ug/Kg	P408042	
		Perfluorododecanoic acid (PFDoA)**	0.38	I	ug/Kg	P408042	
		Perfluoroheptanoic acid (PFHpA)**	0.30	I	ug/Kg	P408042	
		Perfluorohexanesulfonic acid (PFHxS)**	0.91		ug/Kg	P408042	
		Perfluorohexanoic acid (PFHxA)**	0.69	I	ug/Kg	P408042	
		Perfluorononanoic acid (PFNA)**	0.27	U	ug/Kg	P408042	
		Perfluorooctanesulfonic acid (PFOS)**	14		ug/Kg	P408042	
		Perfluorooctanoic acid (PFOA)**	0.36	I	ug/Kg	P408042	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	I	ug/Kg	P408042	
		Perfluorotridecanoic acid (PFTriA)**	0.30	I	ug/Kg	P408042	
		Perfluoroundecanoic acid (PFUnA)**	0.27	U	ug/Kg	P408042	
		Perfluoropentanoic acid (PFPeA)**	0.44	I	ug/Kg	P408042	
		Perfluoropentanesulfonic acid (PFPeS)**	0.16	I	ug/Kg	P408042	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P408042	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P408042	
		Perfluorodecanesulfonic acid (PFDS)**	0.31	I	ug/Kg	P408042	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P408042	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.21	I	ug/Kg	P408042	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.2		ug/Kg	P408042	
		Perfluoro-1-octane sulfonamide (FOSA)**	4.8		ug/Kg	P408042	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P408042	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.2	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.98	I	ug/Kg	P408042	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P408042	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P408042	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.55	U	ug/Kg	P408042	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P408042	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P408042	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P408042	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P408042	

Field ID: DEPSB-112-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295829	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P408042	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P408042	
2295843	SM 2540 G (20th)	% Solid	80.0		%	P407731	

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.

Sample Location: Fire Academy of the South-FSCJ: ERIC_7421 **Collection Date/Time: 12/15/2021 11:00**

Field ID: DEPSB-112-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295830	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P408042	
		Perfluorobutanoic acid (PFBA)**	0.57	U	ug/Kg	P408042	
		Perfluorodecanoic acid (PFDA)**	0.57	U	ug/Kg	P408042	
		Perfluorododecanoic acid (PFDoA)**	0.28	U	ug/Kg	P408042	
		Perfluoroheptanoic acid (PFHpA)**	0.45	I	ug/Kg	P408042	
		Perfluorohexanesulfonic acid (PFHxS)**	1.1		ug/Kg	P408042	
		Perfluorohexanoic acid (PFHxA)**	0.70	I	ug/Kg	P408042	
		Perfluorononanoic acid (PFNA)**	0.45	I	ug/Kg	P408042	
		Perfluorooctanesulfonic acid (PFOS)**	13		ug/Kg	P408042	
		Perfluorooctanoic acid (PFOA)**	0.44	I	ug/Kg	P408042	
		Perfluorotetradecanoic acid (PFTeA)**	0.28	U	ug/Kg	P408042	
		Perfluorotridecanoic acid (PFTriA)**	0.28	U	ug/Kg	P408042	
		Perfluoroundecanoic acid (PFUnA)**	0.28	U	ug/Kg	P408042	
		Perfluoropentanoic acid (PFPeA)**	0.56	I	ug/Kg	P408042	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P408042	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P408042	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P408042	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P408042	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P408042	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.31	I	ug/Kg	P408042	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	2.0		ug/Kg	P408042	
		Perfluoro-1-octane sulfonamide (FOSA)**	2.9		ug/Kg	P408042	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P408042	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.3	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.28	U	ug/Kg	P408042	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P408042	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P408042	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.57	U	ug/Kg	P408042	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P408042	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P408042	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P408042	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P408042	

Field ID: DEPSB-112-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295830	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P408042	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P408042	
2295844	SM 2540 G (20th)	% Solid	76.8		%	P407731	

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.

Sample Location: Fire Academy of the South-FSCJ: ERIC_7421 **Collection Date/Time: 12/15/2021 11:10**

Field ID: DEPSB-113-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295831	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	1.9		ug/Kg	P408042	
		Perfluorobutanoic acid (PFBA)**	0.92	I	ug/Kg	P408042	
		Perfluorodecanoic acid (PFDA)**	0.50	U	ug/Kg	P408042	
		Perfluorododecanoic acid (PFDoA)**	4.0		ug/Kg	P408042	
		Perfluoroheptanoic acid (PFHpA)**	1.4		ug/Kg	P408042	
		Perfluorohexanesulfonic acid (PFHxS)**	13		ug/Kg	P408042	
		Perfluorohexanoic acid (PFHxA)**	8.3		ug/Kg	P408042	
		Perfluorononanoic acid (PFNA)**	0.25	U	ug/Kg	P408042	
		Perfluorooctanesulfonic acid (PFOS)**	2.5		ug/Kg	P408042	
		Perfluorooctanoic acid (PFOA)**	1.8		ug/Kg	P408042	
		Perfluorotetradecanoic acid (PFTeA)**	1.0		ug/Kg	P408042	
		Perfluorotridecanoic acid (PFTriA)**	21		ug/Kg	P408042	
		Perfluoroundecanoic acid (PFUnA)**	0.25	U	ug/Kg	P408042	
		Perfluoropentanoic acid (PFPeA)**	1.5		ug/Kg	P408042	
		Perfluoropentanesulfonic acid (PFPeS)**	2.3		ug/Kg	P408042	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.28	I	ug/Kg	P408042	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P408042	
		Perfluorodecanesulfonic acid (PFDS)**	2.2		ug/Kg	P408042	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P408042	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.88		ug/Kg	P408042	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	9.3		ug/Kg	P408042	
		Perfluoro-1-octane sulfonamide (FOSA)**	23		ug/Kg	P408042	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.25	U	ug/Kg	P408042	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.25	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	1.0		ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	130		ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	7.8		ug/Kg	P408042	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P408042	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P408042	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.50	U	ug/Kg	P408042	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.25	U	ug/Kg	P408042	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.25	U	ug/Kg	P408042	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.25	U	ug/Kg	P408042	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.25	U	ug/Kg	P408042	

Field ID: DEPSB-113-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295831	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.98	I	ug/Kg	P408042	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.0	U	ug/Kg	P408042	
2295845	SM 2540 G (20th)	% Solid	84.5		%	P407731	

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.

Sample Location: Fire Academy of the South-FSCJ: ERIC_7421 **Collection Date/Time: 12/15/2021 11:15**

Field ID: DEPSB-113-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295832	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.46	I	ug/Kg	P408042	
		Perfluorobutanoic acid (PFBA)**	0.55	U	ug/Kg	P408042	
		Perfluorodecanoic acid (PFDA)**	0.55	U	ug/Kg	P408042	
		Perfluorododecanoic acid (PFDoA)**	0.98	I	ug/Kg	P408042	
		Perfluoroheptanoic acid (PFHpA)**	0.28	U	ug/Kg	P408042	
		Perfluorohexanesulfonic acid (PFHxS)**	0.81		ug/Kg	P408042	
		Perfluorohexanoic acid (PFHxA)**	1.4		ug/Kg	P408042	
		Perfluorononanoic acid (PFNA)**	0.28	U	ug/Kg	P408042	
		Perfluorooctanesulfonic acid (PFOS)**	1.9		ug/Kg	P408042	
		Perfluorooctanoic acid (PFOA)**	0.50	I	ug/Kg	P408042	
		Perfluorotetradecanoic acid (PFTeA)**	0.34	I	ug/Kg	P408042	
		Perfluorotridecanoic acid (PFTriA)**	3.4		ug/Kg	P408042	
		Perfluoroundecanoic acid (PFUnA)**	0.28	U	ug/Kg	P408042	
		Perfluoropentanoic acid (PFPeA)**	0.71	I	ug/Kg	P408042	
		Perfluoropentanesulfonic acid (PFPeS)**	0.29	I	ug/Kg	P408042	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P408042	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P408042	
		Perfluorodecanesulfonic acid (PFDS)**	0.31	I	ug/Kg	P408042	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P408042	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.22	I	ug/Kg	P408042	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	6.5		ug/Kg	P408042	
		Perfluoro-1-octane sulfonamide (FOSA)**	11		ug/Kg	P408042	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.28	U	ug/Kg	P408042	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.28	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.28	U	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	4.8	I	ug/Kg	P408042	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.1		ug/Kg	P408042	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P408042	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P408042	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.55	U	ug/Kg	P408042	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.28	U	ug/Kg	P408042	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.28	U	ug/Kg	P408042	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.28	U	ug/Kg	P408042	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.28	U	ug/Kg	P408042	

Field ID: DEPSB-113-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295832	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.28	U	ug/Kg	P408042	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P408042	
2295846	SM 2540 G (20th)	% Solid	80.6		%	P407731	

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.

Sample Location: Fire Academy of the South-FSCJ: ERIC_7421 **Collection Date/Time: 12/15/2021 13:00**

Field ID: Ansulite 3x3 Matrix: WAS-LIQUID

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295833	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	25	U	ug/Kg	P407721	
		Perfluorodecanoic acid (PFDA)**	25	U	ug/Kg	P407721	
		Perfluorododecanoic acid (PFDoA)**	25	U	ug/Kg	P407721	
		Perfluoroheptanoic acid (PFHpA)**	50	U	ug/Kg	P407721	
		Perfluorohexanesulfonic acid (PFHxS)**	25	U	ug/Kg	P407721	
		Perfluorohexanoic acid (PFHxA)**	2.8E+03		ug/Kg	P407721	
		Perfluorononanoic acid (PFNA)**	25	U	ug/Kg	P407721	
		Perfluorooctanesulfonic acid (PFOS)**	240		ug/Kg	P407721	
		Perfluorooctanoic acid (PFOA)**	25	I	ug/Kg	P407721	
		Perfluorotetradecanoic acid (PFTeA)**	25	U	ug/Kg	P407721	
		Perfluorotridecanoic acid (PFTriA)**	25	U	ug/Kg	P407721	
		Perfluoroundecanoic acid (PFUnA)**	25	U	ug/Kg	P407721	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	25	U	ug/Kg	P407721	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	25	U	ug/Kg	P407721	
		Perfluoropentanoic acid (PFPeA)**	250		ug/Kg	P407721	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	25	U	ug/Kg	P407721	
		Perfluoropentanesulfonic acid (PFPeS)**	25	U	ug/Kg	P407721	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	7.7E+03		ug/Kg	P407721	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	25	U	ug/Kg	P407721	
		Perfluoroheptanesulfonic acid (PFHpS)**	50	U	ug/Kg	P407721	
		Perfluorononanesulfonic acid (PFNS)**	25	U	ug/Kg	P407721	
		Perfluorodecanesulfonic acid (PFDS)**	25	U	ug/Kg	P407721	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	25	U	ug/Kg	P407721	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	25	U	ug/Kg	P407721	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	50	U	ug/Kg	P407721	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	25	U	ug/Kg	P407721	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	50	U	ug/Kg	P407721	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	25	U	ug/Kg	P407721	
		Perfluoro-1-butane sulfonamide (FBSA)**	50	U	ug/Kg	P407721	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	25	UJ	ug/Kg	P407721	RPD
		Perfluoro-1-octane sulfonamide (FOSA)**	25	U	ug/Kg	P407721	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	25	U	ug/Kg	P407721	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	25	U	ug/Kg	P407721	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	25	U	ug/Kg	P407721	

Field ID: Ansulite 3x3 Matrix: WAS-LIQUID

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295833	DEP SOP: LC-001-3	Perfluorobutanoic acid (PFBA)**	210		ug/Kg	P407721	
		Perfluoropropanesulfonic acid (PFPrS)**	25	U	ug/Kg	P407721	

Ref. Method and Comment:
DEP SOP: LC-001-3: MS accuracy for PFHxA and MS accuracy and precision for 6:2 FTS could not be assessed due to a high concentration of these analytes in the spiked sample. MDL for some parameters elevated due to matrix interference. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South-FSCJ: ERIC_7421 **Collection Date/Time: 12/15/2021 13:15**

Field ID: EQB-HA-14 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295835	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P407836	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P407836	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P407836	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P407836	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P407836	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P407836	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P407836	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P407836	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P407836	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P407836	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P407836	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P407836	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P407836	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P407836	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P407836	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P407836	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P407836	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P407836	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P407836	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P407836	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P407836	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P407836	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P407836	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P407836	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P407836	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P407836	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P407836	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P407836	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P407836	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P407836	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P407836	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P407836	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P407836	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P407836	

Field ID: EQB-HA-14 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2295835	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P407836	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P407836	

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P407721

Component	Result	Code	Units
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	25	U	ug/Kg
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	25	U	ug/Kg
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	25	U	ug/Kg
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	100	U	ug/Kg
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	25	U	ug/Kg
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	25	U	ug/Kg
Hexafluoropropylene oxide dimer acid (HFPO-DA)	25	U	ug/Kg
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25	U	ug/Kg
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	25	U	ug/Kg
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	50	U	ug/Kg
Perfluoro-1-butane sulfonamide (FBSA)	25	U	ug/Kg
Perfluoro-1-hexane sulfonamide (FHxSA)	25	U	ug/Kg
Perfluoro-1-octane sulfonamide (FOSA)	25	U	ug/Kg
Perfluoro-3-methoxypropanoic acid (PFMPA)	25	U	ug/Kg
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	25	U	ug/Kg
Perfluoro-4-methoxybutanoic acid (PFMBA)	25	U	ug/Kg
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	25	U	ug/Kg
Perfluorobutanesulfonic acid (PFBS)	25	U	ug/Kg
Perfluorobutanoic acid (PFBA)	25	U	ug/Kg
Perfluorodecanesulfonic acid (PFDS)	25	U	ug/Kg
Perfluorodecanoic acid (PFDA)	25	U	ug/Kg
Perfluorododecanoic acid (PFDoA)	25	U	ug/Kg
Perfluoroheptanesulfonic acid (PFHpS)	25	U	ug/Kg
Perfluoroheptanoic acid (PFHpA)	25	U	ug/Kg
Perfluorohexanesulfonic acid (PFHxS)	25	U	ug/Kg
Perfluorohexanoic acid (PFHxA)	25	U	ug/Kg
Perfluorononanesulfonic acid (PFNS)	25	U	ug/Kg
Perfluorononanoic acid (PFNA)	25	U	ug/Kg
Perfluorooctanesulfonic acid (PFOS)	25	U	ug/Kg
Perfluorooctanoic acid (PFOA)	25	U	ug/Kg
Perfluoropentanesulfonic acid (PFPeS)	25	U	ug/Kg
Perfluoropentanoic acid (PFPeA)	25	U	ug/Kg
Perfluoropropanesulfonic acid (PFPrS)	25	U	ug/Kg
Perfluorotetradecanoic acid (PFTeA)	25	U	ug/Kg
Perfluorotridecanoic acid (PFTriA)	25	U	ug/Kg
Perfluoroundecanoic acid (PFUnA)	25	U	ug/Kg

Reference Method: DEP SOP: LC-001-3
Batch ID: P407836

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: P407836

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)	4.0	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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: P408042

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: P408042

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: P407721

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	60.3		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	110		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	91.1		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	103		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	78.7		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	83.2		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	74.5		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	72.8		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	66.0		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	75.5		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	160		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	152		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	79.4		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	73.7		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	110		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	60.5		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	81.9		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	85.1		P	40 - 160
Perfluorobutanoic acid (PFBA)	81.0		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	60.1		P	40 - 160
Perfluorodecanoic acid (PFDA)	76.7		P	40 - 160
Perfluorododecanoic acid (PFDoA)	82.1		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	100		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	83.0		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	85.6		P	40 - 160
Perfluorohexanoic acid (PFHxA)	88.9		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	45.9		P	40 - 160
Perfluorononanoic acid (PFNA)	48.7		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	93.3		P	40 - 160
Perfluorooctanoic acid (PFOA)	92.8		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	84.8		P	40 - 160
Perfluoropentanoic acid (PFPeA)	79.1		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	93.2		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	70.6		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	76.8		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	97.8		P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407836

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	59.5		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	104		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	84.5		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	74.2		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	82.6		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	100		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	76.4		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	79.0		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	57.1		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	71.7		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	159		P	30 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407836

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoro-1-hexane sulfonamide (FHxSA)	121		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	92.3		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	86.7		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	107		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	85.1		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	85.2		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	90.5		P	30 - 160
Perfluorobutanoic acid (PFBA)	98.3		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	108		P	30 - 160
Perfluorodecanoic acid (PFDA)	65.4		P	30 - 160
Perfluorododecanoic acid (PFDoA)	81.2		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	91.9		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	86.2		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	89.5		P	30 - 160
Perfluorohexanoic acid (PFHxA)	93.7		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	93.2		P	30 - 160
Perfluorononanoic acid (PFNA)	87.2		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	88.7		P	30 - 160
Perfluorooctanoic acid (PFOA)	94.6		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	93.9		P	30 - 160
Perfluoropentanoic acid (PFPeA)	81.6		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	88.9		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	92.4		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	84.0		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	102		P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P408042

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	88.4		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	84.2		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	91.5		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	113		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	79.6		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	93.8		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	83.6		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	87.2		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	99.4		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	72.2		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	88.9		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	69.0		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	99.9		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	90.5		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	116		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	102		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	102		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	94.6		P	40 - 160
Perfluorobutanoic acid (PFBA)	98.8		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	75.7		P	40 - 160
Perfluorodecanoic acid (PFDA)	86.4		P	40 - 160
Perfluorododecanoic acid (PFDoA)	96.4		P	40 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P408042

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoroheptanesulfonic acid (PFHpS)	106		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	98.1		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	85.0		P	40 - 160
Perfluorohexanoic acid (PFHxA)	88.7		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	91.0		P	40 - 160
Perfluorononanoic acid (PFNA)	112		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	85.0		P	40 - 160
Perfluorooctanoic acid (PFOA)	95.3		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	88.9		P	40 - 160
Perfluoropentanoic acid (PFPeA)	85.0		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	95.6		P	40 - 160
Perfluorotetradecanoic acid (PFTeA)	84.2		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	85.3		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	74.4		P	40 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407721

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2295833	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	158	152	P/P	40 - 160
2295833	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	122	106	P/P	40 - 160
2295833	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	90.1	87.9	P/P	40 - 160
2295833	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	137	130	P/P	40 - 160
2295833	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	148	154	P/P	40 - 160
2295833	Hexafluoropropylene oxide dimer acid (HFPO-DA)	105	95.4	P/P	40 - 160
2295833	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	91.4	73.4	P/P	40 - 160
2295833	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	62.9	75.7	P/P	40 - 160
2295833	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	111	100	P/P	40 - 160
2295833	Perfluoro-1-butane sulfonamide (FBSA)	92.6	115	P/P	40 - 160
2295833	Perfluoro-1-hexane sulfonamide (FHxSA)	115	57.4	P/P	40 - 160
2295833	Perfluoro-1-octane sulfonamide (FOSA)	90.3	93.2	P/P	40 - 160
2295833	Perfluoro-3-methoxypropanoic acid (PFMPA)	84.5	96.0	P/P	40 - 160
2295833	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	101	90.6	P/P	40 - 160
2295833	Perfluoro-4-methoxybutanoic acid (PFMBA)	65.7	69.8	P/P	40 - 160
2295833	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	87.9	93.3	P/P	40 - 160
2295833	Perfluorobutanesulfonic acid (PFBS)	94.8	96.6	P/P	40 - 160
2295833	Perfluorobutanoic acid (PFBA)	73.7	111	P/P	40 - 160
2295833	Perfluorodecanesulfonic acid (PFDS)	157	157	P/P	40 - 160
2295833	Perfluorodecanoic acid (PFDA)	82.4	63.8	P/P	40 - 160
2295833	Perfluorododecanoic acid (PFDoA)	142	120	P/P	40 - 160
2295833	Perfluoroheptanesulfonic acid (PFHpS)	41.6	42.6	P/P	40 - 160
2295833	Perfluoroheptanoic acid (PFHpA)	65.0	74.4	P/P	40 - 160
2295833	Perfluorohexanesulfonic acid (PFHxS)	92.7	94.5	P/P	40 - 160
2295833	Perfluorononanesulfonic acid (PFNS)	93.6	91.4	P/P	40 - 160
2295833	Perfluorononanoic acid (PFNA)	76.2	86.2	P/P	40 - 160
2295833	Perfluorooctanesulfonic acid (PFOS)	158	146	P/P	40 - 160
2295833	Perfluorooctanoic acid (PFOA)	120	105	P/P	40 - 160
2295833	Perfluoropentanesulfonic acid (PFPeS)	85.1	98.3	P/P	40 - 160
2295833	Perfluoropentanoic acid (PFPeA)	93.9	114	P/P	40 - 160
2295833	Perfluoropropanesulfonic acid (PFPrS)	113	114	P/P	40 - 160
2295833	Perfluorotetradecanoic acid (PFTeA)	87.0	115	P/P	40 - 160
2295833	Perfluorotridecanoic acid (PFTriA)	123	99.2	P/P	40 - 160
2295833	Perfluoroundecanoic acid (PFUnA)	104	86.7	P/P	40 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P407836

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2295097	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	96.7	105	P/P	30 - 160
2295097	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	121	108	P/P	30 - 160
2295097	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	90.6	106	P/P	30 - 160
2295097	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	85.5	82.3	P/P	30 - 160
2295097	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	155	146	P/P	30 - 160
2295097	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	72.0	90.8	P/P	30 - 160
2295097	Hexafluoropropylene oxide dimer acid (HFPO-DA)	90.9	73.4	P/P	30 - 160
2295097	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	72.7	55.2	P/P	30 - 160
2295097	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	69.6	72.6	P/P	30 - 160
2295097	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	78.0	72.8	P/P	30 - 160
2295097	Perfluoro-1-butane sulfonamide (FBSA)	123	134	P/P	30 - 160
2295097	Perfluoro-1-hexane sulfonamide (FHxSA)	156	153	P/P	30 - 160
2295097	Perfluoro-1-octane sulfonamide (FOSA)	90.2	91.9	P/P	30 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P407836

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2295097	Perfluoro-3-methoxypropanoic acid (PFMPA)	88.3	89.9	P/P	30 - 160
2295097	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	99.2	85.7	P/P	30 - 160
2295097	Perfluoro-4-methoxybutanoic acid (PFMBA)	87.8	86.7	P/P	30 - 160
2295097	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	95.1	85.2	P/P	30 - 160
2295097	Perfluorobutanesulfonic acid (PFBS)	96.1	82.4	P/P	30 - 160
2295097	Perfluorobutanoic acid (PFBA)	100	98.6	P/P	30 - 160
2295097	Perfluorodecanesulfonic acid (PFDS)	109	103	P/P	30 - 160
2295097	Perfluorodecanoic acid (PFDA)	74.0	91.8	P/P	30 - 160
2295097	Perfluorododecanoic acid (PFDoA)	73.8	65.3	P/P	30 - 160
2295097	Perfluoroheptanesulfonic acid (PFHpS)	77.8	67.6	P/P	30 - 160
2295097	Perfluoroheptanoic acid (PFHpA)	97.6	85.8	P/P	30 - 160
2295097	Perfluorohexanesulfonic acid (PFHxS)	90.8	79.3	P/P	30 - 160
2295097	Perfluorohexanoic acid (PFHxA)	124	142	P/P	30 - 160
2295097	Perfluorononanesulfonic acid (PFNS)	89.2	89.8	P/P	30 - 160
2295097	Perfluorononanoic acid (PFNA)	75.1	96.4	P/P	30 - 160
2295097	Perfluorooctanesulfonic acid (PFOS)	111	128	P/P	30 - 160
2295097	Perfluorooctanoic acid (PFOA)	103	107	P/P	30 - 160
2295097	Perfluoropentanesulfonic acid (PFPeS)	103	93.0	P/P	30 - 160
2295097	Perfluoropentanoic acid (PFPeA)	94.4	81.4	P/P	30 - 160
2295097	Perfluoropropanesulfonic acid (PFPrS)	95.3	91.4	P/P	30 - 160
2295097	Perfluorotetradecanoic acid (PFTeA)	85.8	75.2	P/P	30 - 160
2295097	Perfluorotridecanoic acid (PFTriA)	63.7	61.1	P/P	30 - 160
2295097	Perfluoroundecanoic acid (PFUnA)	82.4	70.6	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P408042

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2295829	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	64.5	63.8	P/P	40 - 160
2295829	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	72.1	54.1	P/P	40 - 160
2295829	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	79.5	81.0	P/P	40 - 160
2295829	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	113	109	P/P	40 - 160
2295829	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	48.0	47.3	P/P	40 - 160
2295829	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	86.9	83.8	P/P	40 - 160
2295829	Hexafluoropropylene oxide dimer acid (HFPO-DA)	78.5	80.6	P/P	40 - 160
2295829	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	99.1	90.3	P/P	40 - 160
2295829	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	92.4	92.3	P/P	40 - 160
2295829	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	128	116	P/P	40 - 160
2295829	Perfluoro-1-butane sulfonamide (FBSA)	57.6	54.1	P/P	40 - 160
2295829	Perfluoro-1-hexane sulfonamide (FHxSA)	89.2	120	P/P	40 - 160
2295829	Perfluoro-1-octane sulfonamide (FOSA)	74.7	114	P/P	40 - 160
2295829	Perfluoro-3-methoxypropanoic acid (PFMPA)	85.2	83.3	P/P	40 - 160
2295829	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	118	93.9	P/P	40 - 160
2295829	Perfluoro-4-methoxybutanoic acid (PFMBA)	89.9	87.4	P/P	40 - 160
2295829	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	90.0	97.3	P/P	40 - 160
2295829	Perfluorobutanesulfonic acid (PFBS)	92.4	88.4	P/P	40 - 160
2295829	Perfluorobutanoic acid (PFBA)	106	119	P/P	40 - 160
2295829	Perfluorodecanesulfonic acid (PFDS)	71.0	65.4	P/P	40 - 160
2295829	Perfluorodecanoic acid (PFDA)	82.9	75.7	P/P	40 - 160
2295829	Perfluorododecanoic acid (PFDoA)	87.1	110	P/P	40 - 160
2295829	Perfluoroheptanesulfonic acid (PFHpS)	112	106	P/P	40 - 160
2295829	Perfluoroheptanoic acid (PFHpA)	100	90.6	P/P	40 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P408042

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2295829	Perfluorohexanesulfonic acid (PFHxS)	85.0	71.2	P/P	40 - 160
2295829	Perfluorohexanoic acid (PFHxA)	109	87.2	P/P	40 - 160
2295829	Perfluorononanesulfonic acid (PFNS)	84.6	83.3	P/P	40 - 160
2295829	Perfluorononanoic acid (PFNA)	83.5	90.9	P/P	40 - 160
2295829	Perfluorooctanoic acid (PFOA)	80.6	76.7	P/P	40 - 160
2295829	Perfluoropentanesulfonic acid (PFPeS)	81.7	82.8	P/P	40 - 160
2295829	Perfluoropentanoic acid (PFPeA)	96.5	71.5	P/P	40 - 160
2295829	Perfluoropropanesulfonic acid (PFPrS)	134	110	P/P	40 - 160
2295829	Perfluorotetradecanoic acid (PFTeA)	100	84.5	P/P	40 - 160
2295829	Perfluorotridecanoic acid (PFTriA)	127	97.4	P/P	40 - 160
2295829	Perfluoroundecanoic acid (PFUnA)	96.7	111	P/P	40 - 160

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P407721

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2295833	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.81	Spike	P	0 - 35
2295833	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	14.2	Spike	P	0 - 35
2295833	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	2.47	Spike	P	0 - 35
2295833	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.09	Spike	P	0 - 35
2295833	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.78	Spike	P	0 - 35
2295833	Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.58	Spike	P	0 - 35
2295833	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	21.8	Spike	P	0 - 35
2295833	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	18.5	Spike	P	0 - 35
2295833	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.97	Spike	P	0 - 35
2295833	Perfluoro-1-butane sulfonamide (FBSA)	21.6	Spike	P	0 - 35
2295833	Perfluoro-1-hexane sulfonamide (FHxSA)	66.6	Spike	F	0 - 35
2295833	Perfluoro-1-octane sulfonamide (FOSA)	3.16	Spike	P	0 - 35
2295833	Perfluoro-3-methoxypropanoic acid (PFMPA)	12.7	Spike	P	0 - 35
2295833	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	11.2	Spike	P	0 - 35
2295833	Perfluoro-4-methoxybutanoic acid (PFMBA)	6.05	Spike	P	0 - 35
2295833	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	5.96	Spike	P	0 - 35
2295833	Perfluorobutanesulfonic acid (PFBS)	1.88	Spike	P	0 - 35
2295833	Perfluorobutanoic acid (PFBA)	12.5	Spike	P	0 - 35
2295833	Perfluorodecanesulfonic acid (PFDS)	0.318	Spike	P	0 - 35
2295833	Perfluorodecanoic acid (PFDA)	25.4	Spike	P	0 - 35
2295833	Perfluorododecanoic acid (PFDoA)	16.7	Spike	P	0 - 35
2295833	Perfluoroheptanesulfonic acid (PFHpS)	2.38	Spike	P	0 - 35
2295833	Perfluoroheptanoic acid (PFHpA)	13.5	Spike	P	0 - 35
2295833	Perfluorohexanesulfonic acid (PFHxS)	1.92	Spike	P	0 - 35
2295833	Perfluorohexanoic acid (PFHxA)	8.99	Spike	P	0 - 35
2295833	Perfluorononanesulfonic acid (PFNS)	2.38	Spike	P	0 - 35
2295833	Perfluorononanoic acid (PFNA)	12.3	Spike	P	0 - 35
2295833	Perfluorooctanesulfonic acid (PFOS)	3.08	Spike	P	0 - 35
2295833	Perfluorooctanoic acid (PFOA)	10.7	Spike	P	0 - 35
2295833	Perfluoropentanesulfonic acid (PFPeS)	14.4	Spike	P	0 - 35
2295833	Perfluoropentanoic acid (PFPeA)	5.74	Spike	P	0 - 35
2295833	Perfluoropropanesulfonic acid (PFPrS)	0.966	Spike	P	0 - 35
2295833	Perfluorotetradecanoic acid (PFTeA)	27.5	Spike	P	0 - 35
2295833	Perfluorotridecanoic acid (PFTriA)	21.5	Spike	P	0 - 35
2295833	Perfluoroundecanoic acid (PFUnA)	17.7	Spike	P	0 - 35

Reference Method: DEP SOP: LC-001-3
Batch ID: P407836

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2295097	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	8.42	Spike	P	0 - 30
2295097	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	11.5	Spike	P	0 - 30
2295097	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	15.9	Spike	P	0 - 30
2295097	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	3.81	Spike	P	0 - 30
2295097	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.91	Spike	P	0 - 30
2295097	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	23.1	Spike	P	0 - 30
2295097	Hexafluoropropylene oxide dimer acid (HFPO-DA)	21.3	Spike	P	0 - 30
2295097	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25.3	Spike	P	0 - 30
2295097	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.22	Spike	P	0 - 30
2295097	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	6.90	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P407836

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2295097	Perfluoro-1-butane sulfonamide (FBSA)	8.47	Spike	P	0 - 30
2295097	Perfluoro-1-hexane sulfonamide (FHxSA)	2.00	Spike	P	0 - 30
2295097	Perfluoro-1-octane sulfonamide (FOSA)	1.87	Spike	P	0 - 30
2295097	Perfluoro-3-methoxypropanoic acid (PFMPA)	1.80	Spike	P	0 - 30
2295097	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	14.6	Spike	P	0 - 30
2295097	Perfluoro-4-methoxybutanoic acid (PFMBA)	1.26	Spike	P	0 - 30
2295097	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	11.0	Spike	P	0 - 30
2295097	Perfluorobutanesulfonic acid (PFBS)	10.7	Spike	P	0 - 30
2295097	Perfluorobutanoic acid (PFBA)	0.812	Spike	P	0 - 30
2295097	Perfluorodecanesulfonic acid (PFDS)	6.12	Spike	P	0 - 30
2295097	Perfluorodecanoic acid (PFDA)	15.7	Spike	P	0 - 30
2295097	Perfluorododecanoic acid (PFDoA)	12.2	Spike	P	0 - 30
2295097	Perfluoroheptanesulfonic acid (PFHpS)	14.0	Spike	P	0 - 30
2295097	Perfluoroheptanoic acid (PFHpA)	5.82	Spike	P	0 - 30
2295097	Perfluorohexanesulfonic acid (PFHxS)	12.0	Spike	P	0 - 30
2295097	Perfluorohexanoic acid (PFHxA)	7.65	Spike	P	0 - 30
2295097	Perfluorononanesulfonic acid (PFNS)	0.670	Spike	P	0 - 30
2295097	Perfluorononanoic acid (PFNA)	19.0	Spike	P	0 - 30
2295097	Perfluorooctanesulfonic acid (PFOS)	9.38	Spike	P	0 - 30
2295097	Perfluorooctanoic acid (PFOA)	1.67	Spike	P	0 - 30
2295097	Perfluoropentanesulfonic acid (PFPeS)	10.2	Spike	P	0 - 30
2295097	Perfluoropentanoic acid (PFPeA)	4.63	Spike	P	0 - 30
2295097	Perfluoropropanesulfonic acid (PFPrS)	4.18	Spike	P	0 - 30
2295097	Perfluorotetradecanoic acid (PFTeA)	13.2	Spike	P	0 - 30
2295097	Perfluorotridecanoic acid (PFTriA)	4.17	Spike	P	0 - 30
2295097	Perfluoroundecanoic acid (PFUnA)	15.4	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3
Batch ID: P408042

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2295829	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	1.09	Spike	P	0 - 35
2295829	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	16.7	Spike	P	0 - 35
2295829	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	1.87	Spike	P	0 - 35
2295829	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	2.22	Spike	P	0 - 35
2295829	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.47	Spike	P	0 - 35
2295829	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.63	Spike	P	0 - 35
2295829	Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.64	Spike	P	0 - 35
2295829	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.29	Spike	P	0 - 35
2295829	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.108	Spike	P	0 - 35
2295829	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	10.1	Spike	P	0 - 35
2295829	Perfluoro-1-butane sulfonamide (FBSA)	5.36	Spike	P	0 - 35
2295829	Perfluoro-1-hexane sulfonamide (FHxSA)	14.8	Spike	P	0 - 35
2295829	Perfluoro-1-octane sulfonamide (FOSA)	12.7	Spike	P	0 - 35
2295829	Perfluoro-3-methoxypropanoic acid (PFMPA)	2.26	Spike	P	0 - 35
2295829	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	22.5	Spike	P	0 - 35
2295829	Perfluoro-4-methoxybutanoic acid (PFMBA)	2.82	Spike	P	0 - 35
2295829	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	7.79	Spike	P	0 - 35
2295829	Perfluorobutanesulfonic acid (PFBS)	4.01	Spike	P	0 - 35
2295829	Perfluorobutanoic acid (PFBA)	11.4	Spike	P	0 - 35

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P408042

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2295829	Perfluorodecanesulfonic acid (PFDS)	6.80	Spike	P	0 - 35
2295829	Perfluorodecanoic acid (PFDA)	9.08	Spike	P	0 - 35
2295829	Perfluorododecanoic acid (PFDoA)	19.5	Spike	P	0 - 35
2295829	Perfluoroheptanesulfonic acid (PFHpS)	5.86	Spike	P	0 - 35
2295829	Perfluoroheptanoic acid (PFHpA)	9.05	Spike	P	0 - 35
2295829	Perfluorohexanesulfonic acid (PFHxS)	11.6	Spike	P	0 - 35
2295829	Perfluorohexanoic acid (PFHxA)	16.9	Spike	P	0 - 35
2295829	Perfluorononanesulfonic acid (PFNS)	1.55	Spike	P	0 - 35
2295829	Perfluorononanoic acid (PFNA)	8.49	Spike	P	0 - 35
2295829	Perfluorooctanesulfonic acid (PFOS)	7.98	Spike	P	0 - 35
2295829	Perfluorooctanoic acid (PFOA)	4.10	Spike	P	0 - 35
2295829	Perfluoropentanesulfonic acid (PFPeS)	1.23	Spike	P	0 - 35
2295829	Perfluoropentanoic acid (PFPeA)	24.0	Spike	P	0 - 35
2295829	Perfluoropropanesulfonic acid (PFPrS)	19.4	Spike	P	0 - 35
2295829	Perfluorotetradecanoic acid (PFTeA)	15.0	Spike	P	0 - 35
2295829	Perfluorotridecanoic acid (PFTriA)	23.8	Spike	P	0 - 35
2295829	Perfluoroundecanoic acid (PFUnA)	14.1	Spike	P	0 - 35

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report
Surrogates

Lab Sample ID: 2295825
Field Sample ID: DEPSB-111-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	47.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	79.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	61.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	78.2	P	30 - 160

Lab Sample ID: 2295826
Field Sample ID: DEPSB-111-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	44.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	83.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	68.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.8	P	30 - 160

Lab Sample ID: 2295827
Field Sample ID: DEPSB-111-3.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	45.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	83.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	86.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	69.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	71.5	P	30 - 160

Lab Sample ID: 2295828
Field Sample ID: SED-8

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	47.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	93.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	81.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	79.2	P	30 - 160

Lab Sample ID: 2295829
Field Sample ID: DEPSB-112-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	39.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	72.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	83.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	54.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	74.5	P	30 - 160

Lab Sample ID: 2295830
Field Sample ID: DEPSB-112-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	47.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	88.8	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2295830
Field Sample ID: DEPSB-112-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	78.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	76.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	70.6	P	30 - 160

Lab Sample ID: 2295831
Field Sample ID: DEPSB-113-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	40.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	80.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	76.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	66.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	73.1	P	30 - 160

Lab Sample ID: 2295832
Field Sample ID: DEPSB-113-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	37.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	79.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	74.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	69.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	69.0	P	30 - 160

Lab Sample ID: 2295833
Field Sample ID: Ansulite 3x3

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	Perfluorobutanesulfonate-13C	123	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	54.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	94.7	P	30 - 160

Lab Sample ID: 2295834
Field Sample ID: EQB-Screenpoint-1

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	81.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	81.4	P	30 - 160

Lab Sample ID: 2295835
Field Sample ID: EQB-HA-14

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	Perfluorobutanesulfonate-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	96.4	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2295835
Field Sample ID: EQB-HA-14

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.9	P	30 - 160

Lab Sample ID: 2295836
Field Sample ID: VP-3-20-24

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	95.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	152	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	137	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	120	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.3	P	30 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A109626
Included Lab Sample IDs: 2295834, 2295835, 2295836

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	122	154	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	143	109	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	118	98.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	141	107	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	80.2	83.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	86.0	87.2	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	82.3	84.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	86.7	88.3	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	158	107	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	65.2	158	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	108	92.8	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	156	107	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	71.9	91.2	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	81.2	90.5	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	74.5	100	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	81.7	75.8	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	68.0	73.7	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	69.2	83.1	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	122	91.1	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	97.9	65.5	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	67.6	159	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	82.8	86.0	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	86.0	84.0	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	116	146	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	123	60.7	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	87.4	90.7	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	87.5	93.2	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	84.6	86.4	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	85.5	88.0	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	102	64.1	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	136	101	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	77.8	77.7	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	83.9	78.8	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	155	85.2	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	80.8	81.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	151	87.1	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	84.5	81.7	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	101	102	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	96.8	101	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	123	141	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	159	123	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	86.2	94.0	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	97.4	72.4	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	82.9	91.1	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	93.0	66.9	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	130	93.2	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	87.4	63.0	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	115	104	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	75.8	70.9	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	91.2	111	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	91.6	88.7	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A109626
Included Lab Sample IDs: 2295834, 2295835, 2295836

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorohexanoic acid (PFHxA)	102	92.1	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	81.4	83.0	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	102	99.1	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	158	102	P/P	60 - 160
Perfluorononanoic acid (PFNA)	68.5	62.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	81.1	76.8	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	135	93.0	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	93.7	106	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	102	91.3	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	113	107	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	66.2	86.5	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	85.4	88.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	81.5	73.0	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	152	89.9	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	85.0	98.6	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	92.0	80.9	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	95.7	88.9	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	101	95.2	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	114	103	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	102	122	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	102	109	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A109672
Included Lab Sample IDs: 2295836

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoropentanoic acid (PFPeA)	71.5	81.3	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A109806
Included Lab Sample IDs: 2295825, 2295826, 2295827, 2295828, 2295829, 2295830, 2295831, 2295832

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	82.3	84.1	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	87.9	82.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	70.0	82.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	77.6	70.0	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	82.9	108	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	99.3	82.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	102	107	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	107	91.5	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	120	119	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	63.3	75.4	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	77.7	63.3	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	88.8	95.2	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	95.2	98.3	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	96.6	97.8	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	97.8	109	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	90.2	89.7	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	98.7	90.2	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A109806
Included Lab Sample IDs: 2295825, 2295826, 2295827, 2295828, 2295829, 2295830, 2295831, 2295832

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	86.6	105	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	89.8	86.6	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	80.1	94.4	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	94.4	103	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	63.6	69.2	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	90.9	63.6	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	61.5	70.9	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	86.8	61.5	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	102	110	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	110	102	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	88.3	88.0	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	93.4	88.3	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	93.3	98.7	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	99.8	93.3	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	105	96.8	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	96.8	105	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	106	98.7	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	98.7	92.6	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	101	104	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	104	92.1	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	96.1	103	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	98.0	96.1	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	83.1	85.4	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	85.6	83.1	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	74.1	86.6	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	84.2	74.1	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	101	88.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	88.7	97.6	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	108	88.5	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	97.0	108	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	117	99.1	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	99.1	114	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	82.1	89.8	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	89.8	80.9	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	105	80.1	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	80.1	103	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	93.0	96.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	96.8	94.8	P/P	60 - 160
Perfluorononanoic acid (PFNA)	79.0	88.6	P/P	60 - 160
Perfluorononanoic acid (PFNA)	88.0	79.0	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	83.2	83.4	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	85.9	83.2	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	102	89.1	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	89.1	87.3	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	102	88.7	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	108	102	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	81.4	82.6	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	82.6	88.1	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	111	101	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	99.1	111	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	84.4	85.2	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A109806
Included Lab Sample IDs: 2295825, 2295826, 2295827, 2295828, 2295829, 2295830, 2295831, 2295832

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorotetradecanoic acid (PFTeA)	85.2	92.7	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	92.1	93.7	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	98.0	92.1	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	76.3	98.6	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	97.4	76.3	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A110015
Included Lab Sample IDs: 2295833

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	94.1	97.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	122	148	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	90.6	98.7	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	87.5	84.8	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	108	66.8	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	117	104	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	93.6	83.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	87.7	91.6	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	69.2	83.1	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	80.9	89.5	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	91.2	96.7	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	66.5	71.3	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	85.4	89.2	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	86.7	83.7	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	109	131	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	68.1	65.3	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	85.9	87.4	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	92.1	90.1	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	86.9	92.1	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	116	110	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	86.2	125	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	81.5	96.7	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	99.9	123	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	81.4	94.4	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	92.5	95.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	110	86.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	102	97.5	P/P	60 - 160
Perfluorononanoic acid (PFNA)	86.4	69.4	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	122	105	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	89.0	83.9	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	89.8	86.9	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	95.0	90.6	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	117	97.1	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	94.4	106	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	106	115	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	89.1	86.9	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		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	60.3	158	152			3.81
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	59.5	96.7	105			8.42
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	88.4	64.5	63.8			1.09
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	110	122	106			14.2
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	104	121	108			11.5
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	84.2	72.1	54.1			16.7
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	91.1	90.1	87.9			2.47
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	84.5	90.6	106			15.9
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	91.5	79.5	81.0			1.87
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	103					
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	74.2	85.5	82.3			3.81
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	113	113	109			2.22
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	78.7	137	130			5.09
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	82.6	155	146			5.91
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	79.6	48.0	47.3			1.47
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	83.2	148	154			3.78
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	100	72.0	90.8			23.1
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	93.8	86.9	83.8			3.63
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	74.5	105	95.4			9.58
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	76.4	90.9	73.4			21.3
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	83.6	78.5	80.6			2.64
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	72.8	91.4	73.4			21.8
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	79.0	72.7	55.2			25.3
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	87.2	99.1	90.3			9.29
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	66.0	62.9	75.7			18.5
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	57.1	69.6	72.6			4.22
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	99.4	92.4	92.3			0.108

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	75.5	111	100			9.97
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	71.7	72.8	78.0			6.90
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	72.2	128	116			10.1
	Perfluoro-1-butane sulfonamide (FBSA)	160	92.6	115			21.6
	Perfluoro-1-butane sulfonamide (FBSA)	159	123	134			8.47
	Perfluoro-1-butane sulfonamide (FBSA)	88.9	57.6	54.1			5.36
	Perfluoro-1-hexane sulfonamide (FHxSA)	152	115	57.4			66.6
	Perfluoro-1-hexane sulfonamide (FHxSA)	121	156	153			2.00
	Perfluoro-1-hexane sulfonamide (FHxSA)	69.0	89.2	120			14.8
	Perfluoro-1-octane sulfonamide (FOSA)	79.4	90.3	93.2			3.16
	Perfluoro-1-octane sulfonamide (FOSA)	92.3	90.2	91.9			1.87
	Perfluoro-1-octane sulfonamide (FOSA)	99.9	74.7	114			12.7
	Perfluoro-3-methoxypropanoic acid (PFMPA)	73.7	84.5	96.0			12.7
	Perfluoro-3-methoxypropanoic acid (PFMPA)	86.7	89.9	88.3			1.80
	Perfluoro-3-methoxypropanoic acid (PFMPA)	90.5	85.2	83.3			2.26
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	110	101	90.6			11.2
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	107	85.7	99.2			14.6
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	116	118	93.9			22.5
	Perfluoro-4-methoxybutanoic acid (PFMBA)	60.5	65.7	69.8			6.05
	Perfluoro-4-methoxybutanoic acid (PFMBA)	85.1	87.8	86.7			1.26
	Perfluoro-4-methoxybutanoic acid (PFMBA)	102	89.9	87.4			2.82
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	81.9	87.9	93.3			5.96
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	85.2	85.2	95.1			11.0
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	102	90.0	97.3			7.79
	Perfluorobutanesulfonic acid (PFBS)	85.1	94.8	96.6			1.88
	Perfluorobutanesulfonic acid (PFBS)	90.5	96.1	82.4			10.7
	Perfluorobutanesulfonic acid (PFBS)	94.6	92.4	88.4			4.01
	Perfluorobutanoic acid (PFBA)	81.0	73.7	111			12.5
	Perfluorobutanoic acid (PFBA)	98.3	100	98.6			0.812
	Perfluorobutanoic acid (PFBA)	98.8	106	119			11.4
	Perfluorodecanesulfonic acid (PFDS)	60.1	157	157			0.318
	Perfluorodecanesulfonic acid (PFDS)	108	109	103			6.12

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluorodecanesulfonic acid (PFDS)	75.7	71.0	65.4			6.80
	Perfluorodecanoic acid (PFDA)	76.7	82.4	63.8			25.4
	Perfluorodecanoic acid (PFDA)	65.4	74.0	91.8			15.7
	Perfluorodecanoic acid (PFDA)	86.4	82.9	75.7			9.08
	Perfluorododecanoic acid (PFDoA)	82.1	142	120			16.7
	Perfluorododecanoic acid (PFDoA)	81.2	73.8	65.3			12.2
	Perfluorododecanoic acid (PFDoA)	96.4	87.1	110			19.5
	Perfluoroheptanesulfonic acid (PFHpS)	100	41.6	42.6			2.38
	Perfluoroheptanesulfonic acid (PFHpS)	91.9	77.8	67.6			14.0
	Perfluoroheptanesulfonic acid (PFHpS)	106	112	106			5.86
	Perfluoroheptanoic acid (PFHpA)	83.0	65.0	74.4			13.5
	Perfluoroheptanoic acid (PFHpA)	86.2	97.6	85.8			5.82
	Perfluoroheptanoic acid (PFHpA)	98.1	100	90.6			9.05
	Perfluorohexanesulfonic acid (PFHxS)	85.6	92.7	94.5			1.92
	Perfluorohexanesulfonic acid (PFHxS)	89.5	90.8	79.3			12.0
	Perfluorohexanesulfonic acid (PFHxS)	85.0	85.0	71.2			11.6
	Perfluorohexanoic acid (PFHxA)	88.9					8.99
	Perfluorohexanoic acid (PFHxA)	93.7	124	142			7.65
	Perfluorohexanoic acid (PFHxA)	88.7	109	87.2			16.9
	Perfluorononanesulfonic acid (PFNS)	45.9	93.6	91.4			2.38
	Perfluorononanesulfonic acid (PFNS)	93.2	89.2	89.8			0.670
	Perfluorononanesulfonic acid (PFNS)	91.0	84.6	83.3			1.55
	Perfluorononanoic acid (PFNA)	48.7	76.2	86.2			12.3
	Perfluorononanoic acid (PFNA)	87.2	75.1	96.4			19.0
	Perfluorononanoic acid (PFNA)	112	83.5	90.9			8.49
	Perfluorooctanesulfonic acid (PFOS)	93.3	158	146			3.08
	Perfluorooctanesulfonic acid (PFOS)	88.7	111	128			9.38
	Perfluorooctanesulfonic acid (PFOS)	85.0					7.98
	Perfluorooctanoic acid (PFOA)	92.8	120	105			10.7
	Perfluorooctanoic acid (PFOA)	94.6	103	107			1.67
	Perfluorooctanoic acid (PFOA)	95.3	80.6	76.7			4.10
	Perfluoropentanesulfonic acid (PFPeS)	84.8	85.1	98.3			14.4
	Perfluoropentanesulfonic acid (PFPeS)	93.9	103	93.0			10.2
	Perfluoropentanesulfonic acid (PFPeS)	88.9	81.7	82.8			1.23
	Perfluoropentanoic acid (PFPeA)	79.1	93.9	114			5.74
	Perfluoropentanoic acid (PFPeA)	81.6	94.4	81.4			4.63
	Perfluoropentanoic acid (PFPeA)	85.0	96.5	71.5			24.0
	Perfluoropropanesulfonic acid (PFPrS)	93.2	113	114			0.966
	Perfluoropropanesulfonic acid (PFPrS)	88.9	91.4	95.3			4.18

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)	95.6	134	110			19.4
	Perfluorotetradecanoic acid (PFTeA)	70.6	87.0	115			27.5
	Perfluorotetradecanoic acid (PFTeA)	92.4	85.8	75.2			13.2
	Perfluorotetradecanoic acid (PFTeA)	84.2	100	84.5			15.0
	Perfluorotridecanoic acid (PFTriA)	76.8	123	99.2			21.5
	Perfluorotridecanoic acid (PFTriA)	84.0	63.7	61.1			4.17
	Perfluorotridecanoic acid (PFTriA)	85.3	127	97.4			23.8
	Perfluoroundecanoic acid (PFUnA)	97.8	104	86.7			17.7
	Perfluoroundecanoic acid (PFUnA)	102	82.4	70.6			15.4
	Perfluoroundecanoic acid (PFUnA)	74.4	96.7	111			14.1

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: LC-001-3	Perfluorinated alkyl substances in sediment/solid matrices by HPLC/MS/MS	2295825, 2295826, 2295827, 2295828, 2295829, 2295830, 2295831, 2295832
DEP SOP: LC-001-3	Perfluorinated alkyl substances in solid and liquid waste matrices by HPLC/MS/MS	2295833
DEP SOP: LC-001-3	Perfluorinated alkyl substances in water matrices by HPLC/MS/MS	2295834, 2295835, 2295836
SM 2540 G (20th)	Percent solid determination before the other sample preparations.	2295839, 2295840, 2295841, 2295842, 2295843, 2295844, 2295845, 2295846

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	12/16/2021	01/06/2022 09:00	Hoor Shaik	01/11/2022 13:31	Mohammad Ghaffari	2295829
	12/16/2021	01/06/2022 09:00	Hoor Shaik	01/11/2022 13:53	Mohammad Ghaffari	2295825
	12/16/2021	01/06/2022 09:00	Hoor Shaik	01/11/2022 14:03	Mohammad Ghaffari	2295826
	12/16/2021	01/06/2022 09:00	Hoor Shaik	01/11/2022 14:14	Mohammad Ghaffari	2295827
	12/16/2021	01/06/2022 09:00	Hoor Shaik	01/11/2022 14:25	Mohammad Ghaffari	2295828
	12/16/2021	01/06/2022 09:00	Hoor Shaik	01/11/2022 14:36	Mohammad Ghaffari	2295830
	12/16/2021	01/06/2022 09:00	Hoor Shaik	01/11/2022 14:47	Mohammad Ghaffari	2295831
	12/16/2021	01/06/2022 09:00	Hoor Shaik	01/11/2022 14:57	Mohammad Ghaffari	2295832
	12/16/2021	01/06/2022 09:00	Hoor Shaik	01/12/2022 10:01	Mohammad Ghaffari	2295831
	12/16/2021	12/21/2021 09:00	Manjita Shrestha	12/21/2021 10:00	Mohammad Ghaffari	2295833
	12/16/2021	12/21/2021 09:00	Manjita Shrestha	12/21/2021 10:11	Mohammad Ghaffari	2295833
	12/16/2021	12/21/2021 09:00	Manjita Shrestha	12/21/2021 10:44	Mohammad Ghaffari	2295833
	12/16/2021	12/28/2021 09:00	Hoor Shaik	01/05/2022 08:30	Mohammad Ghaffari	2295836
	12/16/2021	12/28/2021 09:00	Hoor Shaik	12/28/2021 18:06	Mohammad Ghaffari	2295834
	12/16/2021	12/28/2021 09:00	Hoor Shaik	12/28/2021 18:17	Mohammad Ghaffari	2295835
	12/16/2021	12/28/2021 09:00	Hoor Shaik	12/28/2021 21:53	Mohammad Ghaffari	2295836
	12/16/2021	12/28/2021 09:00	Hoor Shaik	12/29/2021 00:24	Mohammad Ghaffari	2295835
	12/16/2021	12/28/2021 09:00	Hoor Shaik	12/29/2021 03:06	Mohammad Ghaffari	2295836

Chemical Analysis Report

SIS-2022-03-09-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

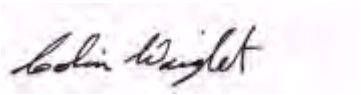
Event Description: **Fire Academy of the South**
Request ID: **RQ-2021-11-15-48**
Customer: **SIS**
Project ID: **SIS-PFAS**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Road
Twin Towers Bldg. MS# 4515
Tallahassee, FL 32399
Attn: Jeff Newton

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Colin Wright, Program Administrator

Date Certified: 13-APR-2022 11:37



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: Fire Academy of the South - FSCJ **Collection Date/Time: 03/07/2022 11:05**

Field ID: EQB-Screenpoint-2 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311223	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P410908	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P410908	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P410908	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P410908	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P410908	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P410908	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P410908	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P410908	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P410908	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P410908	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P410908	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P410908	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P410908	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P410908	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P410908	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P410908	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P410908	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P410908	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P410908	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P410908	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P410908	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P410908	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P410908	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P410908	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P410908	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P410908	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P410908	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P410908	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P410908	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P410908	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P410908	

Field ID: EQB-Screenpoint-2 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311223	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P410908	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P410908	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/07/2022 12:20**

Field ID: VP-3-20-24 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311229	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	14		ng/L	P410910	
		Perfluorobutanoic acid (PFBA)**	110		ng/L	P410910	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P410910	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P410910	
		Perfluoroheptanoic acid (PFHpA)**	20		ng/L	P410910	
		Perfluorohexanesulfonic acid (PFHxS)**	10		ng/L	P410910	
		Perfluorohexanoic acid (PFHxA)**	170		ng/L	P410910	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P410910	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P410910	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P410910	
		Perfluoropentanoic acid (PFPeA)**	290		ng/L	P410910	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P410910	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P410910	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P410910	
		Perfluoropentanesulfonic acid (PFPeS)**	5.0		ng/L	P410910	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P410910	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P410910	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P410910	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P410910	
		Perfluoro-1-butane sulfonamide (FBSA)**	2.0	I	ng/L	P410910	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P410910	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P410910	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P410910	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	37	I	ng/L	P410910	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P410910	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P410910	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P410910	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P410910	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P410910	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P410910	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P410910	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P410910	

Field ID: VP-3-20-24 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311229	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	10	I	ng/L	P410910	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P410910	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/07/2022 12:45**

Field ID: VP-3-36-40 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311230	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	6.3		ng/L	P410910	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P410910	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P410910	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P410910	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P410910	
		Perfluorohexanesulfonic acid (PFHxS)**	1.1	I	ng/L	P410910	
		Perfluorohexanoic acid (PFHxA)**	7.4	I	ng/L	P410910	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P410910	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P410910	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P410910	
		Perfluoropentanoic acid (PFPeA)**	4.0	I	ng/L	P410910	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P410910	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P410910	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P410910	
		Perfluoropentanesulfonic acid (PFPeS)**	2.2		ng/L	P410910	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P410910	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P410910	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P410910	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P410910	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P410910	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P410910	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P410910	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P410910	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P410910	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P410910	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P410910	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P410910	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P410910	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P410910	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P410910	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P410910	

Field ID: VP-3-36-40 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311230	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P410910	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P410910	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/07/2022 13:25**

Field ID: VP-3-48-52 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311231	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.77	I	ng/L	P410910	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P410910	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P410910	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P410910	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P410910	
		Perfluorohexanesulfonic acid (PFHxS)**	1.2	I	ng/L	P410910	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P410910	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P410910	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P410910	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P410910	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P410910	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P410910	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P410910	
		Perfluoroundecanoic acid (PFUnA)**	2.3	I	ng/L	P410910	
		Perfluoropentanesulfonic acid (PFPeS)**	0.85	I	ng/L	P410910	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P410910	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P410910	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P410910	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P410910	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P410910	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P410910	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P410910	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P410910	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P410910	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P410910	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P410910	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P410910	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P410910	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P410910	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P410910	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P410910	

Field ID: VP-3-48-52 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311231	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P410910	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P410910	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/07/2022 14:45**

Field ID: EQB-HA-1 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311224	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P410908	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P410908	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P410908	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P410908	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P410908	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P410908	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P410908	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P410908	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P410908	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P410908	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P410908	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P410908	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P410908	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P410908	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P410908	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P410908	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P410908	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P410908	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P410908	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P410908	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P410908	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P410908	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P410908	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P410908	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P410908	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P410908	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P410908	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P410908	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P410908	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P410908	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P410908	

Field ID: EQB-HA-1 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311224	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P410908	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P410908	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/07/2022 14:50**

Field ID: DEPSB-114-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311216	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.54	I	ug/Kg	P411787	
		Perfluorobutanoic acid (PFBA)**	0.67	U	ug/Kg	P411787	
		Perfluorodecanoic acid (PFDA)**	0.67	U	ug/Kg	P411787	
		Perfluorododecanoic acid (PFDoA)**	0.48	I	ug/Kg	P411787	
		Perfluoroheptanoic acid (PFHpA)**	0.34	U	ug/Kg	P411787	
		Perfluorohexanesulfonic acid (PFHxS)**	12		ug/Kg	P411787	
		Perfluorohexanoic acid (PFHxA)**	1.4		ug/Kg	P411787	
		Perfluorononanoic acid (PFNA)**	0.34	U	ug/Kg	P411787	
		Perfluorooctanesulfonic acid (PFOS)**	5.9		ug/Kg	P411787	
		Perfluorooctanoic acid (PFOA)**	0.44	I	ug/Kg	P411787	
		Perfluorotetradecanoic acid (PFTeA)**	0.34	U	ug/Kg	P411787	
		Perfluorotridecanoic acid (PFTriA)**	0.76	I	ug/Kg	P411787	
		Perfluoroundecanoic acid (PFUnA)**	2.5		ug/Kg	P411787	
		Perfluoropentanoic acid (PFPeA)**	1.5		ug/Kg	P411787	
		Perfluoropentanesulfonic acid (PFPeS)**	0.92		ug/Kg	P411787	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.54	I	ug/Kg	P411787	
		Perfluorononanesulfonic acid (PFNS)**	2.2		ug/Kg	P411787	
		Perfluorodecanesulfonic acid (PFDS)**	3.5		ug/Kg	P411787	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.17	U	ug/Kg	P411787	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.52	I	ug/Kg	P411787	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	4.0		ug/Kg	P411787	
		Perfluoro-1-octane sulfonamide (FOSA)**	2.2		ug/Kg	P411787	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.34	U	ug/Kg	P411787	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.34	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.34	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.7	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.34	U	ug/Kg	P411787	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.17	U	ug/Kg	P411787	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.17	U	ug/Kg	P411787	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.67	U	ug/Kg	P411787	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.34	U	ug/Kg	P411787	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.34	U	ug/Kg	P411787	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.34	U	ug/Kg	P411787	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.34	U	ug/Kg	P411787	

Field ID: DEPSB-114-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311216	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.34	U	ug/Kg	P411787	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.3	U	ug/Kg	P411787	
2311247	SM 2540 G (20th)	% Solid	70.8	A	%	P410988	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 03/07/2022 14:52**

Field ID: DEPSB-114-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311217	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P411787	
		Perfluorobutanoic acid (PFBA)**	0.53	U	ug/Kg	P411787	
		Perfluorodecanoic acid (PFDA)**	0.53	U	ug/Kg	P411787	
		Perfluorododecanoic acid (PFDoA)**	0.26	U	ug/Kg	P411787	
		Perfluoroheptanoic acid (PFHpA)**	0.26	U	ug/Kg	P411787	
		Perfluorohexanesulfonic acid (PFHxS)**	0.83		ug/Kg	P411787	
		Perfluorohexanoic acid (PFHxA)**	0.26	U	ug/Kg	P411787	
		Perfluorononanoic acid (PFNA)**	0.26	U	ug/Kg	P411787	
		Perfluorooctanesulfonic acid (PFOS)**	6.4		ug/Kg	P411787	
		Perfluorooctanoic acid (PFOA)**	0.26	U	ug/Kg	P411787	
		Perfluorotetradecanoic acid (PFTeA)**	0.26	U	ug/Kg	P411787	
		Perfluorotridecanoic acid (PFTriA)**	0.26	U	ug/Kg	P411787	
		Perfluoroundecanoic acid (PFUnA)**	0.26	U	ug/Kg	P411787	
		Perfluoropentanoic acid (PFPeA)**	0.26	U	ug/Kg	P411787	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P411787	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P411787	
		Perfluorononanesulfonic acid (PFNS)**	0.31	I	ug/Kg	P411787	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P411787	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P411787	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P411787	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.54		ug/Kg	P411787	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.37	I	ug/Kg	P411787	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.26	U	ug/Kg	P411787	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.26	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.26	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.26	U	ug/Kg	P411787	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P411787	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P411787	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.53	U	ug/Kg	P411787	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.26	U	ug/Kg	P411787	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.26	U	ug/Kg	P411787	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.26	U	ug/Kg	P411787	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.26	U	ug/Kg	P411787	

Field ID: DEPSB-114-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311217	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.26	U	ug/Kg	P411787	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P411787	
2311248	SM 2540 G (20th)	% Solid	83.5		%	P410988	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 03/07/2022 14:55**

Field ID: DEPSB-114-2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311218	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.14	U	ug/Kg	P411787	
		Perfluorobutanoic acid (PFBA)**	0.58	U	ug/Kg	P411787	
		Perfluorodecanoic acid (PFDA)**	0.58	U	ug/Kg	P411787	
		Perfluorododecanoic acid (PFDoA)**	0.29	U	ug/Kg	P411787	
		Perfluoroheptanoic acid (PFHpA)**	0.29	U	ug/Kg	P411787	
		Perfluorohexanesulfonic acid (PFHxS)**	0.46	I	ug/Kg	P411787	
		Perfluorohexanoic acid (PFHxA)**	0.29	U	ug/Kg	P411787	
		Perfluorononanoic acid (PFNA)**	0.29	U	ug/Kg	P411787	
		Perfluorooctanesulfonic acid (PFOS)**	4.1		ug/Kg	P411787	
		Perfluorooctanoic acid (PFOA)**	0.29	U	ug/Kg	P411787	
		Perfluorotetradecanoic acid (PFTeA)**	0.29	U	ug/Kg	P411787	
		Perfluorotridecanoic acid (PFTriA)**	0.29	U	ug/Kg	P411787	
		Perfluoroundecanoic acid (PFUnA)**	0.29	U	ug/Kg	P411787	
		Perfluoropentanoic acid (PFPeA)**	0.29	U	ug/Kg	P411787	
		Perfluoropentanesulfonic acid (PFPeS)**	0.14	U	ug/Kg	P411787	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.14	U	ug/Kg	P411787	
		Perfluorononanesulfonic acid (PFNS)**	0.14	U	ug/Kg	P411787	
		Perfluorodecanesulfonic acid (PFDS)**	0.14	U	ug/Kg	P411787	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.14	U	ug/Kg	P411787	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.14	U	ug/Kg	P411787	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.59		ug/Kg	P411787	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.14	U	ug/Kg	P411787	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.29	U	ug/Kg	P411787	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.29	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.29	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.3	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.29	U	ug/Kg	P411787	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.14	U	ug/Kg	P411787	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.14	U	ug/Kg	P411787	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.58	U	ug/Kg	P411787	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.29	U	ug/Kg	P411787	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.29	U	ug/Kg	P411787	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.29	U	ug/Kg	P411787	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.29	U	ug/Kg	P411787	

Field ID: DEPSB-114-2.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311218	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.29	U	ug/Kg	P411787	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.2	U	ug/Kg	P411787	
2311249	SM 2540 G (20th)	% Solid	78.3		%	P410988	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 03/07/2022 16:20**

Field ID: DEPSB-115-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311219	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P411787	
		Perfluorobutanoic acid (PFBA)**	0.47	U	ug/Kg	P411787	
		Perfluorodecanoic acid (PFDA)**	0.47	U	ug/Kg	P411787	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P411787	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P411787	
		Perfluorohexanesulfonic acid (PFHxS)**	0.12	U	ug/Kg	P411787	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P411787	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P411787	
		Perfluorooctanesulfonic acid (PFOS)**	0.92	I	ug/Kg	P411787	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P411787	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P411787	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P411787	
		Perfluoroundecanoic acid (PFUnA)**	0.24	U	ug/Kg	P411787	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P411787	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P411787	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P411787	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P411787	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P411787	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P411787	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P411787	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P411787	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P411787	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P411787	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.9	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P411787	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P411787	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P411787	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.47	U	ug/Kg	P411787	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P411787	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P411787	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P411787	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P411787	

Field ID: DEPSB-115-0.5 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311219	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P411787	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.95	U	ug/Kg	P411787	
2311250	SM 2540 G (20th)	% Solid	89.9		%	P410988	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 03/07/2022 16:22**

Field ID: DEPSB-115-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311220	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.13	U	ug/Kg	P411787	
		Perfluorobutanoic acid (PFBA)**	0.54	U	ug/Kg	P411787	
		Perfluorodecanoic acid (PFDA)**	0.54	U	ug/Kg	P411787	
		Perfluorododecanoic acid (PFDoA)**	0.27	U	ug/Kg	P411787	
		Perfluoroheptanoic acid (PFHpA)**	0.27	U	ug/Kg	P411787	
		Perfluorohexanesulfonic acid (PFHxS)**	0.27	I	ug/Kg	P411787	
		Perfluorohexanoic acid (PFHxA)**	0.27	U	ug/Kg	P411787	
		Perfluorononanoic acid (PFNA)**	0.27	U	ug/Kg	P411787	
		Perfluorooctanesulfonic acid (PFOS)**	0.30	I	ug/Kg	P411787	
		Perfluorooctanoic acid (PFOA)**	0.27	U	ug/Kg	P411787	
		Perfluorotetradecanoic acid (PFTeA)**	0.27	U	ug/Kg	P411787	
		Perfluorotridecanoic acid (PFTriA)**	0.27	U	ug/Kg	P411787	
		Perfluoroundecanoic acid (PFUnA)**	0.27	U	ug/Kg	P411787	
		Perfluoropentanoic acid (PFPeA)**	0.27	U	ug/Kg	P411787	
		Perfluoropentanesulfonic acid (PFPeS)**	0.13	U	ug/Kg	P411787	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.13	U	ug/Kg	P411787	
		Perfluorononanesulfonic acid (PFNS)**	0.13	U	ug/Kg	P411787	
		Perfluorodecanesulfonic acid (PFDS)**	0.13	U	ug/Kg	P411787	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.13	U	ug/Kg	P411787	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.13	U	ug/Kg	P411787	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.13	U	ug/Kg	P411787	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.13	U	ug/Kg	P411787	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.27	U	ug/Kg	P411787	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.27	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.27	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.1	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.27	U	ug/Kg	P411787	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.13	U	ug/Kg	P411787	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.13	U	ug/Kg	P411787	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.54	U	ug/Kg	P411787	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.27	U	ug/Kg	P411787	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.27	U	ug/Kg	P411787	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.27	U	ug/Kg	P411787	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.27	U	ug/Kg	P411787	

Field ID: DEPSB-115-2.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311220	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.27	U	ug/Kg	P411787	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	1.1	U	ug/Kg	P411787	
2311251	SM 2540 G (20th)	% Solid	83.1		%	P410988	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 03/07/2022 16:25**

Field ID: DEPSB-115-4.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311221	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.12	U	ug/Kg	P411787	
		Perfluorobutanoic acid (PFBA)**	0.49	U	ug/Kg	P411787	
		Perfluorodecanoic acid (PFDA)**	0.49	U	ug/Kg	P411787	
		Perfluorododecanoic acid (PFDoA)**	0.24	U	ug/Kg	P411787	
		Perfluoroheptanoic acid (PFHpA)**	0.24	U	ug/Kg	P411787	
		Perfluorohexanesulfonic acid (PFHxS)**	0.20	I	ug/Kg	P411787	
		Perfluorohexanoic acid (PFHxA)**	0.24	U	ug/Kg	P411787	
		Perfluorononanoic acid (PFNA)**	0.24	U	ug/Kg	P411787	
		Perfluorooctanesulfonic acid (PFOS)**	0.24	U	ug/Kg	P411787	
		Perfluorooctanoic acid (PFOA)**	0.24	U	ug/Kg	P411787	
		Perfluorotetradecanoic acid (PFTeA)**	0.24	U	ug/Kg	P411787	
		Perfluorotridecanoic acid (PFTriA)**	0.24	U	ug/Kg	P411787	
		Perfluoroundecanoic acid (PFUnA)**	0.24	U	ug/Kg	P411787	
		Perfluoropentanoic acid (PFPeA)**	0.24	U	ug/Kg	P411787	
		Perfluoropentanesulfonic acid (PFPeS)**	0.12	U	ug/Kg	P411787	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.12	U	ug/Kg	P411787	
		Perfluorononanesulfonic acid (PFNS)**	0.12	U	ug/Kg	P411787	
		Perfluorodecanesulfonic acid (PFDS)**	0.12	U	ug/Kg	P411787	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.12	U	ug/Kg	P411787	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.12	U	ug/Kg	P411787	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.12	U	ug/Kg	P411787	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.12	U	ug/Kg	P411787	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	0.24	U	ug/Kg	P411787	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	0.24	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	0.24	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.0	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	0.24	U	ug/Kg	P411787	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.12	U	ug/Kg	P411787	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.12	U	ug/Kg	P411787	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	0.49	U	ug/Kg	P411787	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	0.24	U	ug/Kg	P411787	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	0.24	U	ug/Kg	P411787	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	0.24	U	ug/Kg	P411787	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	0.24	U	ug/Kg	P411787	

Field ID: DEPSB-115-4.0 Matrix: S-SOIL

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311221	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	0.24	U	ug/Kg	P411787	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	0.98	U	ug/Kg	P411787	
2311252	SM 2540 G (20th)	% Solid	87.8		%	P410988	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 03/07/2022 16:35**

Field ID: FRB-DEPMW-10S Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311225	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P410908	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P410908	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P410908	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P410908	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P410908	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P410908	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P410908	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P410908	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P410908	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P410908	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P410908	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P410908	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P410908	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P410908	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P410908	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P410908	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P410908	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P410908	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P410908	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P410908	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P410908	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P410908	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P410908	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P410908	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P410908	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P410908	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P410908	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P410908	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P410908	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P410908	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P410908	

Field ID: FRB-DEPMW-10S Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311225	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P410908	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P410908	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 08:50**

Field ID: SW-12 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311227	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	1.7		ng/L	P410908	
		Perfluorobutanoic acid (PFBA)**	6.4	I	ng/L	P410908	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P410908	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P410908	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P410908	
		Perfluorohexanesulfonic acid (PFHxS)**	6.7		ng/L	P410908	
		Perfluorohexanoic acid (PFHxA)**	3.5	I	ng/L	P410908	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P410908	
		Perfluorooctanoic acid (PFOA)**	2.0	I	ng/L	P410908	
		Perfluorooctanesulfonic acid (PFOS)**	12		ng/L	P410908	
		Perfluoropentanoic acid (PFPeA)**	4.5	I	ng/L	P410908	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P410908	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P410908	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P410908	
		Perfluoropentanesulfonic acid (PFPeS)**	1.1	I	ng/L	P410908	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P410908	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P410908	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P410908	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P410908	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P410908	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P410908	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P410908	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P410908	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P410908	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P410908	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P410908	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P410908	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P410908	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P410908	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P410908	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P410908	

Field ID: SW-12 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311227	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P410908	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P410908	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 08:50**

Field ID: DUP-SW-12 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311228	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	1.7		ng/L	P410908	
		Perfluorobutanoic acid (PFBA)**	6.3	I	ng/L	P410908	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P410908	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P410908	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P410908	
		Perfluorohexanesulfonic acid (PFHxS)**	5.8		ng/L	P410908	
		Perfluorohexanoic acid (PFHxA)**	3.9	I	ng/L	P410908	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P410908	
		Perfluorooctanoic acid (PFOA)**	2.0	I	ng/L	P410908	
		Perfluorooctanesulfonic acid (PFOS)**	12		ng/L	P410908	
		Perfluoropentanoic acid (PFPeA)**	4.8	I	ng/L	P410908	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P410908	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P410908	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P410908	
		Perfluoropentanesulfonic acid (PFPeS)**	1.1	I	ng/L	P410908	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P410908	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P410908	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P410908	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P410908	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P410908	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P410908	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P410908	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P410908	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P410908	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P410908	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P410908	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P410908	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P410908	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P410908	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P410908	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P410908	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P410908	

Field ID: DUP-SW-12 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311228	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P410908	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P410908	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 09:00**

Field ID: SED-15 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311222	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	1.2	U	ug/Kg	P411787	
		Perfluorobutanoic acid (PFBA)**	4.8	U	ug/Kg	P411787	
		Perfluorodecanoic acid (PFDA)**	4.8	U	ug/Kg	P411787	
		Perfluorododecanoic acid (PFDoA)**	2.4	U	ug/Kg	P411787	
		Perfluoroheptanoic acid (PFHpA)**	2.4	U	ug/Kg	P411787	
		Perfluorohexanesulfonic acid (PFHxS)**	1.2	U	ug/Kg	P411787	
		Perfluorohexanoic acid (PFHxA)**	2.4	U	ug/Kg	P411787	
		Perfluorononanoic acid (PFNA)**	2.4	U	ug/Kg	P411787	
		Perfluorooctanesulfonic acid (PFOS)**	12		ug/Kg	P411787	
		Perfluorooctanoic acid (PFOA)**	2.4	U	ug/Kg	P411787	
		Perfluorotetradecanoic acid (PFTeA)**	2.4	U	ug/Kg	P411787	
		Perfluorotridecanoic acid (PFTriA)**	2.4	U	ug/Kg	P411787	
		Perfluoroundecanoic acid (PFUnA)**	2.4	U	ug/Kg	P411787	
		Perfluoropentanoic acid (PFPeA)**	2.4	U	ug/Kg	P411787	
		Perfluoropentanesulfonic acid (PFPeS)**	1.2	U	ug/Kg	P411787	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.2	U	ug/Kg	P411787	
		Perfluorononanesulfonic acid (PFNS)**	1.2	U	ug/Kg	P411787	
		Perfluorodecanesulfonic acid (PFDS)**	1.2	U	ug/Kg	P411787	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	1.2	U	ug/Kg	P411787	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.2	U	ug/Kg	P411787	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.2	U	ug/Kg	P411787	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.2	U	ug/Kg	P411787	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.4	U	ug/Kg	P411787	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.4	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.4	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	19	U	ug/Kg	P411787	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.4	U	ug/Kg	P411787	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	1.2	U	ug/Kg	P411787	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	1.2	U	ug/Kg	P411787	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.8	U	ug/Kg	P411787	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	2.4	U	ug/Kg	P411787	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	2.4	U	ug/Kg	P411787	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	2.4	U	ug/Kg	P411787	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	2.4	U	ug/Kg	P411787	

Field ID: SED-15 Matrix: SEDIMENT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311222	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	2.4	U	ug/Kg	P411787	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	9.6	U	ug/Kg	P411787	
2311256	SM 2540 G (20th)	% Solid	12.9		%	P410988	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 09:45**

Field ID: VP-4-20-24 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311232	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	35		ng/L	P410910	
		Perfluorobutanoic acid (PFBA)**	37		ng/L	P410910	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P410910	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P410910	
		Perfluoroheptanoic acid (PFHpA)**	32		ng/L	P410910	
		Perfluorohexanesulfonic acid (PFHxS)**	160		ng/L	P410910	
		Perfluorohexanoic acid (PFHxA)**	83		ng/L	P410910	
		Perfluorononanoic acid (PFNA)**	16		ng/L	P410910	
		Perfluorooctanoic acid (PFOA)**	23		ng/L	P410910	
		Perfluorooctanesulfonic acid (PFOS)**	300		ng/L	P410910	
		Perfluoropentanoic acid (PFPeA)**	120		ng/L	P410910	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P410910	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P410910	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P410910	
		Perfluoropentanesulfonic acid (PFPeS)**	35		ng/L	P410910	
		Perfluoroheptanesulfonic acid (PFHpS)**	15		ng/L	P410910	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P410910	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P410910	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P410910	
		Perfluoro-1-butane sulfonamide (FBSA)**	36		ng/L	P410910	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	10		ng/L	P410910	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P410910	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P410910	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	99		ng/L	P410910	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P410910	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P410910	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P410910	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P410910	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P410910	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P410910	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P410910	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P410910	

Field ID: VP-4-20-24 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311232	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	8.2	I	ng/L	P410910	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P410910	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 10:15**

Field ID: VP-4-36-40 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311233	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	57		ng/L	P410910	
		Perfluorobutanoic acid (PFBA)**	15	I	ng/L	P410910	
		Perfluorodecanoic acid (PFDA)**	4.1	U	ng/L	P410910	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P410910	
		Perfluoroheptanoic acid (PFHpA)**	10		ng/L	P410910	
		Perfluorohexanesulfonic acid (PFHxS)**	150		ng/L	P410910	
		Perfluorohexanoic acid (PFHxA)**	61		ng/L	P410910	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P410910	
		Perfluorooctanoic acid (PFOA)**	6.3	I	ng/L	P410910	
		Perfluorooctanesulfonic acid (PFOS)**	15		ng/L	P410910	
		Perfluoropentanoic acid (PFPeA)**	34		ng/L	P410910	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P410910	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P410910	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P410910	
		Perfluoropentanesulfonic acid (PFPeS)**	42		ng/L	P410910	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.93	I	ng/L	P410910	
		Perfluorononanesulfonic acid (PFNS)**	0.41	U	ng/L	P410910	
		Perfluorodecanesulfonic acid (PFDS)**	0.41	U	ng/L	P410910	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.41	U	ng/L	P410910	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.9	I	ng/L	P410910	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.81	U	ng/L	P410910	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.41	U	ng/L	P410910	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P410910	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P410910	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.81	U	ng/L	P410910	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.81	U	ng/L	P410910	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.1	U	ng/L	P410910	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.1	U	ng/L	P410910	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.1	U	ng/L	P410910	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.1	U	ng/L	P410910	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.1	U	ng/L	P410910	

Field ID: VP-4-36-40 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311233	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	34		ng/L	P410910	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.1	U	ng/L	P410910	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 10:48**

Field ID: VP-4-48-52 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311234	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	180		ng/L	P410910	
		Perfluorobutanoic acid (PFBA)**	84		ng/L	P410910	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P410910	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P410910	
		Perfluoroheptanoic acid (PFHpA)**	57		ng/L	P410910	
		Perfluorohexanesulfonic acid (PFHxS)**	570		ng/L	P410910	
		Perfluorohexanoic acid (PFHxA)**	250		ng/L	P410910	
		Perfluorononanoic acid (PFNA)**	52		ng/L	P410910	
		Perfluorooctanoic acid (PFOA)**	67		ng/L	P410910	
		Perfluorooctanesulfonic acid (PFOS)**	740		ng/L	P410910	
		Perfluoropentanoic acid (PFPeA)**	310		ng/L	P410910	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P410910	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P410910	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P410910	
		Perfluoropentanesulfonic acid (PFPeS)**	170		ng/L	P410910	
		Perfluoroheptanesulfonic acid (PFHpS)**	30		ng/L	P410910	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P410910	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P410910	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P410910	
		Perfluoro-1-butane sulfonamide (FBSA)**	120		ng/L	P410910	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	5.1		ng/L	P410910	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P410910	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P410910	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	4.3	I	ng/L	P410910	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	410		ng/L	P410910	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P410910	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P410910	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P410910	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P410910	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P410910	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P410910	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P410910	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P410910	

Field ID: VP-4-48-52 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311234	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	74		ng/L	P410910	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P410910	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 12:20**

Field ID: VP-1-20-24 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311235	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	180		ng/L	P411119	
		Perfluorobutanoic acid (PFBA)**	270		ng/L	P411119	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P411119	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P411119	
		Perfluoroheptanoic acid (PFHpA)**	360		ng/L	P411119	
		Perfluorohexanesulfonic acid (PFHxS)**	2.4E+03		ng/L	P411119	
		Perfluorohexanoic acid (PFHxA)**	420		ng/L	P411119	
		Perfluorononanoic acid (PFNA)**	230		ng/L	P411119	
		Perfluorooctanoic acid (PFOA)**	330		ng/L	P411119	
		Perfluorooctanesulfonic acid (PFOS)**	1.2E+04		ng/L	P411119	
		Perfluoropentanoic acid (PFPeA)**	610		ng/L	P411119	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P411119	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P411119	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P411119	
		Perfluoropentanesulfonic acid (PFPeS)**	320		ng/L	P411119	
		Perfluoroheptanesulfonic acid (PFHpS)**	120		ng/L	P411119	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P411119	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P411119	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P411119	
		Perfluoro-1-butane sulfonamide (FBSA)**	270		ng/L	P411119	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	360		ng/L	P411119	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P411119	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P411119	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P411119	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P411119	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	82		ng/L	P411119	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	8.9		ng/L	P411119	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P411119	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P411119	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P411119	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P411119	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P411119	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P411119	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P411119	

Field ID: VP-1-20-24

Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311235	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	38		ng/L	P411119	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P411119	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 12:30**

Field ID: FRB-VP-1 Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311226	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P410910	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P410910	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P410910	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P410910	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P410910	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P410910	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P410910	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P410910	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P410910	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P410910	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P410910	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P410910	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P410910	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P410910	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P410910	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P410910	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P410910	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P410910	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P410910	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P410910	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P410910	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P410910	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P410910	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P410910	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P410910	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P410910	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P410910	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P410910	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P410910	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P410910	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P410910	

Field ID: FRB-VP-1 Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311226	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P410910	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P410910	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 13:15**

Field ID: VP-1-36-40 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311236	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	3.6E+03		ng/L	P411119	
		Perfluorobutanoic acid (PFBA)**	590		ng/L	P411119	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P411119	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P411119	
		Perfluoroheptanoic acid (PFHpA)**	770		ng/L	P411119	
		Perfluorohexanesulfonic acid (PFHxS)**	2.0E+04		ng/L	P411119	
		Perfluorohexanoic acid (PFHxA)**	3.0E+03		ng/L	P411119	
		Perfluorononanoic acid (PFNA)**	210		ng/L	P411119	
		Perfluorooctanoic acid (PFOA)**	1.4E+03		ng/L	P411119	
		Perfluorooctanesulfonic acid (PFOS)**	8.9E+03		ng/L	P411119	
		Perfluoropentanoic acid (PFPeA)**	1.4E+03		ng/L	P411119	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P411119	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P411119	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P411119	
		Perfluoropentanesulfonic acid (PFPeS)**	4.1E+03		ng/L	P411119	
		Perfluoroheptanesulfonic acid (PFHpS)**	760		ng/L	P411119	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P411119	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P411119	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P411119	
		Perfluoro-1-butane sulfonamide (FBSA)**	2.2E+03		ng/L	P411119	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	130		ng/L	P411119	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P411119	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P411119	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P411119	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	7.1	I	ng/L	P411119	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	950		ng/L	P411119	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P411119	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P411119	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P411119	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P411119	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P411119	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P411119	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P411119	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P411119	

Field ID: VP-1-36-40 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311236	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	1.7E+03		ng/L	P411119	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P411119	

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 13:50**

Field ID: VP-1-48-52 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311237	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	170		ng/L	P410910	
		Perfluorobutanoic acid (PFBA)**	48		ng/L	P410910	
		Perfluorodecanoic acid (PFDA)**	4.1	U	ng/L	P410910	
		Perfluorododecanoic acid (PFDoA)**	2.1	U	ng/L	P410910	
		Perfluoroheptanoic acid (PFHpA)**	45		ng/L	P410910	
		Perfluorohexanesulfonic acid (PFHxS)**	380		ng/L	P410910	
		Perfluorohexanoic acid (PFHxA)**	170		ng/L	P410910	
		Perfluorononanoic acid (PFNA)**	5.2	I	ng/L	P410910	
		Perfluorooctanoic acid (PFOA)**	34		ng/L	P410910	
		Perfluorooctanesulfonic acid (PFOS)**	310		ng/L	P410910	
		Perfluoropentanoic acid (PFPeA)**	140		ng/L	P410910	
		Perfluorotetradecanoic acid (PFTeA)**	2.1	U	ng/L	P410910	
		Perfluorotridecanoic acid (PFTriA)**	2.1	U	ng/L	P410910	
		Perfluoroundecanoic acid (PFUnA)**	2.1	U	ng/L	P410910	
		Perfluoropentanesulfonic acid (PFPeS)**	160		ng/L	P410910	
		Perfluoroheptanesulfonic acid (PFHpS)**	8.3		ng/L	P410910	
		Perfluorononanesulfonic acid (PFNS)**	0.41	U	ng/L	P410910	
		Perfluorodecanesulfonic acid (PFDS)**	0.41	U	ng/L	P410910	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.41	U	ng/L	P410910	
		Perfluoro-1-butane sulfonamide (FBSA)**	47		ng/L	P410910	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	6.9		ng/L	P410910	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.41	U	ng/L	P410910	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.1	U	ng/L	P410910	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.1	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	3.3	I	ng/L	P410910	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	130		ng/L	P410910	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.1	U	ng/L	P410910	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.83	U	ng/L	P410910	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.83	U	ng/L	P410910	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.1	U	ng/L	P410910	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.1	U	ng/L	P410910	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.1	U	ng/L	P410910	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.1	U	ng/L	P410910	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.1	U	ng/L	P410910	

Field ID: VP-1-48-52 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311237	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	76		ng/L	P410910	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.3	U	ng/L	P410910	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 15:08**

Field ID: VP-2-20-24 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311238	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	330		ng/L	P410910	
		Perfluorobutanoic acid (PFBA)**	300		ng/L	P410910	
		Perfluorodecanoic acid (PFDA)**	4.1	U	ng/L	P410910	
		Perfluorododecanoic acid (PFDoA)**	2.1	U	ng/L	P410910	
		Perfluoroheptanoic acid (PFHpA)**	390		ng/L	P410910	
		Perfluorohexanesulfonic acid (PFHxS)**	3.2E+03		ng/L	P410910	
		Perfluorohexanoic acid (PFHxA)**	470		ng/L	P410910	
		Perfluorononanoic acid (PFNA)**	3.4	I	ng/L	P410910	
		Perfluorooctanoic acid (PFOA)**	370		ng/L	P410910	
		Perfluorooctanesulfonic acid (PFOS)**	5.3E+03		ng/L	P410910	
		Perfluoropentanoic acid (PFPeA)**	700		ng/L	P410910	
		Perfluorotetradecanoic acid (PFTeA)**	2.1	U	ng/L	P410910	
		Perfluorotridecanoic acid (PFTriA)**	2.1	U	ng/L	P410910	
		Perfluoroundecanoic acid (PFUnA)**	2.1	U	ng/L	P410910	
		Perfluoropentanesulfonic acid (PFPeS)**	330		ng/L	P410910	
		Perfluoroheptanesulfonic acid (PFHpS)**	200		ng/L	P410910	
		Perfluorononanesulfonic acid (PFNS)**	0.41	U	ng/L	P410910	
		Perfluorodecanesulfonic acid (PFDS)**	0.41	U	ng/L	P410910	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.41	U	ng/L	P410910	
		Perfluoro-1-butane sulfonamide (FBSA)**	690		ng/L	P410910	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	88		ng/L	P410910	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.41	U	ng/L	P410910	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.1	U	ng/L	P410910	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.1	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.1	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	810		ng/L	P410910	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.1	U	ng/L	P410910	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.83	U	ng/L	P410910	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.83	U	ng/L	P410910	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.1	U	ng/L	P410910	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.1	U	ng/L	P410910	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.1	U	ng/L	P410910	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.1	U	ng/L	P410910	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.1	U	ng/L	P410910	

Field ID: VP-2-20-24 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311238	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	130		ng/L	P410910	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.3	U	ng/L	P410910	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 15:08**

Field ID: DUP-VP-2-20-24 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311239	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	350		ng/L	P410910	
		Perfluorobutanoic acid (PFBA)**	290		ng/L	P410910	
		Perfluorodecanoic acid (PFDA)**	4.1	U	ng/L	P410910	
		Perfluorododecanoic acid (PFDoA)**	2.1	U	ng/L	P410910	
		Perfluoroheptanoic acid (PFHpA)**	430		ng/L	P410910	
		Perfluorohexanesulfonic acid (PFHxS)**	3.0E+03		ng/L	P410910	
		Perfluorohexanoic acid (PFHxA)**	570		ng/L	P410910	
		Perfluorononanoic acid (PFNA)**	2.5	I	ng/L	P410910	
		Perfluorooctanoic acid (PFOA)**	340		ng/L	P410910	
		Perfluorooctanesulfonic acid (PFOS)**	4.9E+03		ng/L	P410910	
		Perfluoropentanoic acid (PFPeA)**	730		ng/L	P410910	
		Perfluorotetradecanoic acid (PFTeA)**	2.1	U	ng/L	P410910	
		Perfluorotridecanoic acid (PFTriA)**	2.1	U	ng/L	P410910	
		Perfluoroundecanoic acid (PFUnA)**	2.1	U	ng/L	P410910	
		Perfluoropentanesulfonic acid (PFPeS)**	360		ng/L	P410910	
		Perfluoroheptanesulfonic acid (PFHpS)**	200		ng/L	P410910	
		Perfluorononanesulfonic acid (PFNS)**	0.41	U	ng/L	P410910	
		Perfluorodecanesulfonic acid (PFDS)**	0.41	U	ng/L	P410910	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.41	U	ng/L	P410910	
		Perfluoro-1-butane sulfonamide (FBSA)**	630		ng/L	P410910	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	87		ng/L	P410910	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.41	U	ng/L	P410910	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.1	U	ng/L	P410910	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.1	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.1	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	740		ng/L	P410910	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.1	U	ng/L	P410910	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.83	U	ng/L	P410910	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.83	U	ng/L	P410910	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.1	U	ng/L	P410910	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.1	U	ng/L	P410910	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.1	U	ng/L	P410910	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.1	U	ng/L	P410910	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.1	U	ng/L	P410910	

Field ID: DUP-VP-2-20-24 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311239	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	130		ng/L	P410910	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.3	U	ng/L	P410910	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 15:35**

Field ID: VP-2-36-40 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311240	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	460		ng/L	P410910	
		Perfluorobutanoic acid (PFBA)**	190		ng/L	P410910	
		Perfluorodecanoic acid (PFDA)**	4.1	U	ng/L	P410910	
		Perfluorododecanoic acid (PFDoA)**	2.1	U	ng/L	P410910	
		Perfluoroheptanoic acid (PFHpA)**	270		ng/L	P410910	
		Perfluorohexanesulfonic acid (PFHxS)**	4.0E+03		ng/L	P410910	
		Perfluorohexanoic acid (PFHxA)**	740		ng/L	P410910	
		Perfluorononanoic acid (PFNA)**	2.1	U	ng/L	P410910	
		Perfluorooctanoic acid (PFOA)**	18		ng/L	P410910	
		Perfluorooctanesulfonic acid (PFOS)**	39		ng/L	P410910	
		Perfluoropentanoic acid (PFPeA)**	380		ng/L	P410910	
		Perfluorotetradecanoic acid (PFTeA)**	2.1	U	ng/L	P410910	
		Perfluorotridecanoic acid (PFTriA)**	2.1	U	ng/L	P410910	
		Perfluoroundecanoic acid (PFUnA)**	2.1	U	ng/L	P410910	
		Perfluoropentanesulfonic acid (PFPeS)**	0.41	U	ng/L	P410910	
		Perfluoroheptanesulfonic acid (PFHpS)**	2.0	I	ng/L	P410910	
		Perfluorononanesulfonic acid (PFNS)**	0.41	U	ng/L	P410910	
		Perfluorodecanesulfonic acid (PFDS)**	0.41	U	ng/L	P410910	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.41	U	ng/L	P410910	
		Perfluoro-1-butane sulfonamide (FBSA)**	210		ng/L	P410910	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.94	I	ng/L	P410910	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.41	U	ng/L	P410910	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.1	U	ng/L	P410910	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.1	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	4.9	I	ng/L	P410910	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	17	I	ng/L	P410910	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.1	U	ng/L	P410910	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.83	U	ng/L	P410910	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.83	U	ng/L	P410910	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.1	U	ng/L	P410910	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.1	U	ng/L	P410910	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.1	U	ng/L	P410910	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.1	U	ng/L	P410910	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.1	U	ng/L	P410910	

Field ID: VP-2-36-40 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311240	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	250		ng/L	P410910	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.3	U	ng/L	P410910	

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.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 03/08/2022 16:18**

Field ID: VP-2-48-52 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311241	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	3.3		ng/L	P410910	
		Perfluorobutanoic acid (PFBA)**	4.1	U	ng/L	P410910	
		Perfluorodecanoic acid (PFDA)**	4.1	U	ng/L	P410910	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P410910	
		Perfluoroheptanoic acid (PFHpA)**	2.1	I	ng/L	P410910	
		Perfluorohexanesulfonic acid (PFHxS)**	39		ng/L	P410910	
		Perfluorohexanoic acid (PFHxA)**	3.8	I	ng/L	P410910	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P410910	
		Perfluorooctanoic acid (PFOA)**	3.1	I	ng/L	P410910	
		Perfluorooctanesulfonic acid (PFOS)**	55		ng/L	P410910	
		Perfluoropentanoic acid (PFPeA)**	4.0	I	ng/L	P410910	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P410910	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P410910	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P410910	
		Perfluoropentanesulfonic acid (PFPeS)**	5.9		ng/L	P410910	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.81	U	ng/L	P410910	
		Perfluorononanesulfonic acid (PFNS)**	0.41	U	ng/L	P410910	
		Perfluorodecanesulfonic acid (PFDS)**	0.41	U	ng/L	P410910	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.41	U	ng/L	P410910	
		Perfluoro-1-butane sulfonamide (FBSA)**	4.3		ng/L	P410910	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.2	I	ng/L	P410910	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.41	U	ng/L	P410910	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P410910	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P410910	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P410910	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.81	U	ng/L	P410910	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.81	U	ng/L	P410910	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.1	U	ng/L	P410910	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.1	U	ng/L	P410910	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.1	U	ng/L	P410910	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.1	U	ng/L	P410910	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.1	U	ng/L	P410910	

Field ID: VP-2-48-52 Matrix: WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2311241	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.1	U	ng/L	P410910	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.1	U	ng/L	P410910	

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.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P410908

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)	4.0	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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: P410910

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: P410910

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)	4.0	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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: P411119

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)	4.0	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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: P411119

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: P411787

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
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

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P411787

Component	Result	Code	Units
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: P410908

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	96.5		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	88.8		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	88.3		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	122		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	127		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	120		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	93.8		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	90.4		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	91.6		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	153		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	156		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	156		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	100		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	112		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	85.2		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	106		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	135		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	101		P	30 - 160
Perfluorobutanoic acid (PFBA)	94.3		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	105		P	30 - 160
Perfluorodecanoic acid (PFDA)	90.1		P	30 - 160
Perfluorododecanoic acid (PFDoA)	93.1		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	77.4		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	98.7		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	92.5		P	30 - 160
Perfluorohexanoic acid (PFHxA)	120		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	98.0		P	30 - 160
Perfluorononanoic acid (PFNA)	73.4		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	94.8		P	30 - 160
Perfluorooctanoic acid (PFOA)	110		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	116		P	30 - 160
Perfluoropentanoic acid (PFPeA)	126		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	114		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	84.8		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	148		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	134		P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P410910

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	88.7		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)	98.4		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	118		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	159		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	106		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	86.9		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	107		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	103		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	156		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	149		P	30 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P410910

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoro-1-hexane sulfonamide (FHxSA)	140		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	107		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	104		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	84.9		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	97.7		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	100		P	30 - 160
Perfluorobutanoic acid (PFBA)	99.1		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	100		P	30 - 160
Perfluorodecanoic acid (PFDA)	89.8		P	30 - 160
Perfluorododecanoic acid (PFDoA)	92.9		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	78.8		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	87.1		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	97.3		P	30 - 160
Perfluorohexanoic acid (PFHxA)	123		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	108		P	30 - 160
Perfluorononanoic acid (PFNA)	112		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	96.5		P	30 - 160
Perfluorooctanoic acid (PFOA)	124		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	108		P	30 - 160
Perfluoropentanoic acid (PFPeA)	107		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	102		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	97.2		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	158		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	79.9		P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P411119

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	70.7		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	98.2		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	84.2		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	92.8		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	105		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	105		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	80.9		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	106		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	89.3		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	130		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	118		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	151		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	95.4		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	115		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	82.6		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	107		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	121		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	99.5		P	30 - 160
Perfluorobutanoic acid (PFBA)	93.4		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	82.7		P	30 - 160
Perfluorodecanoic acid (PFDA)	58.6		P	30 - 160
Perfluorododecanoic acid (PFDoA)	57.9		P	30 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P411119

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoroheptanesulfonic acid (PFHpS)	76.7		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	114		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	93.8		P	30 - 160
Perfluorohexanoic acid (PFHxA)	93.6		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	87.2		P	30 - 160
Perfluorononanoic acid (PFNA)	62.6		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	93.5		P	30 - 160
Perfluorooctanoic acid (PFOA)	81.4		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	111		P	30 - 160
Perfluoropentanoic acid (PFPeA)	94.8		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	76.7		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	79.4		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	118		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	74.3		P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P411787

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	120		P	40 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	71.0		P	40 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	90.1		P	40 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	116		P	40 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	143		P	40 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	121		P	40 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	71.7		P	40 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	138		P	40 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	111		P	40 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	127		P	40 - 160
Perfluoro-1-butane sulfonamide (FBSA)	145		P	40 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	111		P	40 - 160
Perfluoro-1-octane sulfonamide (FOSA)	96.7		P	40 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	113		P	40 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	87.3		P	40 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	114		P	40 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113		P	40 - 160
Perfluorobutanesulfonic acid (PFBS)	105		P	40 - 160
Perfluorobutanoic acid (PFBA)	103		P	40 - 160
Perfluorodecanesulfonic acid (PFDS)	113		P	40 - 160
Perfluorodecanoic acid (PFDA)	136		P	40 - 160
Perfluorododecanoic acid (PFDoA)	108		P	40 - 160
Perfluoroheptanesulfonic acid (PFHpS)	67.9		P	40 - 160
Perfluoroheptanoic acid (PFHpA)	124		P	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	112		P	40 - 160
Perfluorohexanoic acid (PFHxA)	97.9		P	40 - 160
Perfluorononanesulfonic acid (PFNS)	93.0		P	40 - 160
Perfluorononanoic acid (PFNA)	87.0		P	40 - 160
Perfluorooctanesulfonic acid (PFOS)	115		P	40 - 160
Perfluorooctanoic acid (PFOA)	111		P	40 - 160
Perfluoropentanesulfonic acid (PFPeS)	111		P	40 - 160
Perfluoropentanoic acid (PFPeA)	127		P	40 - 160
Perfluoropropanesulfonic acid (PFPrS)	90.5		P	40 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P411787

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluorotetradecanoic acid (PFTeA)	148		P	40 - 160
Perfluorotridecanoic acid (PFTriA)	152		P	40 - 160
Perfluoroundecanoic acid (PFUnA)	125		P	40 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P410908

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310433	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	77.4	87.1	P/P	30 - 160
2310433	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	97.3	124	P/P	30 - 160
2310433	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	106	108	P/P	30 - 160
2310433	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	132	117	P/P	30 - 160
2310433	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	121	129	P/P	30 - 160
2310433	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	112	112	P/P	30 - 160
2310433	Hexafluoropropylene oxide dimer acid (HFPO-DA)	80.9	98.1	P/P	30 - 160
2310433	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	95.5	112	P/P	30 - 160
2310433	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	72.6	84.1	P/P	30 - 160
2310433	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	116	108	P/P	30 - 160
2310433	Perfluoro-1-butane sulfonamide (FBSA)	134	148	P/P	30 - 160
2310433	Perfluoro-1-hexane sulfonamide (FHxSA)	137	142	P/P	30 - 160
2310433	Perfluoro-1-octane sulfonamide (FOSA)	105	111	P/P	30 - 160
2310433	Perfluoro-3-methoxypropanoic acid (PFMPA)	121	120	P/P	30 - 160
2310433	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	96.8	84.9	P/P	30 - 160
2310433	Perfluoro-4-methoxybutanoic acid (PFMBA)	116	120	P/P	30 - 160
2310433	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	117	124	P/P	30 - 160
2310433	Perfluorobutanesulfonic acid (PFBS)	92.6	103	P/P	30 - 160
2310433	Perfluorobutanoic acid (PFBA)	112	120	P/P	30 - 160
2310433	Perfluorodecanesulfonic acid (PFDS)	77.2	97.4	P/P	30 - 160
2310433	Perfluorodecanoic acid (PFDA)	92.0	89.1	P/P	30 - 160
2310433	Perfluorododecanoic acid (PFDoA)	98.7	87.4	P/P	30 - 160
2310433	Perfluoroheptanesulfonic acid (PFHpS)	82.4	79.2	P/P	30 - 160
2310433	Perfluoroheptanoic acid (PFHpA)	109	145	P/P	30 - 160
2310433	Perfluorohexanesulfonic acid (PFHxS)	105	105	P/P	30 - 160
2310433	Perfluorohexanoic acid (PFHxA)	95.1	101	P/P	30 - 160
2310433	Perfluorononanesulfonic acid (PFNS)	96.0	97.2	P/P	30 - 160
2310433	Perfluorononanoic acid (PFNA)	98.2	111	P/P	30 - 160
2310433	Perfluorooctanoic acid (PFOA)	103	91.2	P/P	30 - 160
2310433	Perfluoropentanesulfonic acid (PFPeS)	107	114	P/P	30 - 160
2310433	Perfluoropentanoic acid (PFPeA)	110	142	P/P	30 - 160
2310433	Perfluoropropanesulfonic acid (PFPrS)	110	124	P/P	30 - 160
2310433	Perfluorotetradecanoic acid (PFTeA)	122	109	P/P	30 - 160
2310433	Perfluorotridecanoic acid (PFTriA)	153	136	P/P	30 - 160
2310433	Perfluoroundecanoic acid (PFUnA)	85.7	92.6	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P410910

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2311531	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	67.0	53.8	P/P	30 - 160
2311531	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	93.0	92.7	P/P	30 - 160
2311531	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	89.2	83.4	P/P	30 - 160
2311531	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	104	104	P/P	30 - 160
2311531	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	142	151	P/P	30 - 160
2311531	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	112	111	P/P	30 - 160
2311531	Hexafluoropropylene oxide dimer acid (HFPO-DA)	76.5	71.6	P/P	30 - 160
2311531	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	91.0	96.3	P/P	30 - 160
2311531	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	81.8	94.5	P/P	30 - 160
2311531	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	126	140	P/P	30 - 160
2311531	Perfluoro-1-butane sulfonamide (FBSA)	123	121	P/P	30 - 160
2311531	Perfluoro-1-hexane sulfonamide (FHxSA)	118	126	P/P	30 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P410910

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2311531	Perfluoro-1-octane sulfonamide (FOSA)	102	102	P/P	30 - 160
2311531	Perfluoro-3-methoxypropanoic acid (PFMPA)	109	104	P/P	30 - 160
2311531	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	83.1	93.5	P/P	30 - 160
2311531	Perfluoro-4-methoxybutanoic acid (PFMBA)	98.2	92.1	P/P	30 - 160
2311531	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	114	117	P/P	30 - 160
2311531	Perfluorobutanesulfonic acid (PFBS)	120	109	P/P	30 - 160
2311531	Perfluorobutanoic acid (PFBA)	112	104	P/P	30 - 160
2311531	Perfluorodecanesulfonic acid (PFDS)	73.4	68.0	P/P	30 - 160
2311531	Perfluorodecanoic acid (PFDA)	126	110	P/P	30 - 160
2311531	Perfluorododecanoic acid (PFDoA)	95.2	83.9	P/P	30 - 160
2311531	Perfluoroheptanesulfonic acid (PFHpS)	79.8	93.5	P/P	30 - 160
2311531	Perfluoroheptanoic acid (PFHpA)	97.5	103	P/P	30 - 160
2311531	Perfluorohexanesulfonic acid (PFHxS)	84.2	104	P/P	30 - 160
2311531	Perfluorohexanoic acid (PFHxA)	103	108	P/P	30 - 160
2311531	Perfluorononanesulfonic acid (PFNS)	96.3	94.9	P/P	30 - 160
2311531	Perfluorononanoic acid (PFNA)	110	99.3	P/P	30 - 160
2311531	Perfluorooctanoic acid (PFOA)	103	128	P/P	30 - 160
2311531	Perfluoropentanesulfonic acid (PFPeS)	108	122	P/P	30 - 160
2311531	Perfluoropentanoic acid (PFPeA)	95.7	90.1	P/P	30 - 160
2311531	Perfluoropropanesulfonic acid (PFPrS)	111	104	P/P	30 - 160
2311531	Perfluorotetradecanoic acid (PFTeA)	103	115	P/P	30 - 160
2311531	Perfluorotridecanoic acid (PFTriA)	132	121	P/P	30 - 160
2311531	Perfluoroundecanoic acid (PFUnA)	110	97.6	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P411119

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2312388	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	73.8	63.1	P/P	30 - 160
2312388	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	93.2	95.6	P/P	30 - 160
2312388	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	97.6	88.8	P/P	30 - 160
2312388	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	118	101	P/P	30 - 160
2312388	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	158	128	P/P	30 - 160
2312388	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	105	94.1	P/P	30 - 160
2312388	Hexafluoropropylene oxide dimer acid (HFPO-DA)	102	86.6	P/P	30 - 160
2312388	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	99.2	113	P/P	30 - 160
2312388	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	94.0	88.0	P/P	30 - 160
2312388	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	118	116	P/P	30 - 160
2312388	Perfluoro-1-butane sulfonamide (FBSA)	138	122	P/P	30 - 160
2312388	Perfluoro-1-hexane sulfonamide (FHxSA)	135	135	P/P	30 - 160
2312388	Perfluoro-1-octane sulfonamide (FOSA)	108	106	P/P	30 - 160
2312388	Perfluoro-3-methoxypropanoic acid (PFMPA)	120	110	P/P	30 - 160
2312388	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	84.1	73.9	P/P	30 - 160
2312388	Perfluoro-4-methoxybutanoic acid (PFMBA)	116	120	P/P	30 - 160
2312388	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	126	112	P/P	30 - 160
2312388	Perfluorobutanesulfonic acid (PFBS)	102	89.8	P/P	30 - 160
2312388	Perfluorobutanoic acid (PFBA)	102	93.2	P/P	30 - 160
2312388	Perfluorodecanesulfonic acid (PFDS)	86.7	70.7	P/P	30 - 160
2312388	Perfluorodecanoic acid (PFDA)	67.6	77.9	P/P	30 - 160
2312388	Perfluorododecanoic acid (PFDoA)	83.3	93.2	P/P	30 - 160
2312388	Perfluoroheptanesulfonic acid (PFHpS)	78.3	70.2	P/P	30 - 160
2312388	Perfluoroheptanoic acid (PFHpA)	118	116	P/P	30 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P411119

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2312388	Perfluorohexanesulfonic acid (PFHxS)	93.3	77.3	P/P	30 - 160
2312388	Perfluorohexanoic acid (PFHxA)	94.5	118	P/P	30 - 160
2312388	Perfluorononanesulfonic acid (PFNS)	94.7	85.5	P/P	30 - 160
2312388	Perfluorononanoic acid (PFNA)	82.2	83.6	P/P	30 - 160
2312388	Perfluorooctanesulfonic acid (PFOS)	99.7	92.9	P/P	30 - 160
2312388	Perfluorooctanoic acid (PFOA)	109	101	P/P	30 - 160
2312388	Perfluoropentanesulfonic acid (PFPeS)	112	113	P/P	30 - 160
2312388	Perfluoropentanoic acid (PFPeA)	121	107	P/P	30 - 160
2312388	Perfluoropropanesulfonic acid (PFPrS)	92.1	95.6	P/P	30 - 160
2312388	Perfluorotetradecanoic acid (PFTeA)	73.3	84.4	P/P	30 - 160
2312388	Perfluorotridecanoic acid (PFTriA)	124	120	P/P	30 - 160
2312388	Perfluoroundecanoic acid (PFUnA)	98.2	100	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P411787

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2311216	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	127	126	P/P	40 - 160
2311216	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	114	102	P/P	40 - 160
2311216	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	123	112	P/P	40 - 160
2311216	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	105	111	P/P	40 - 160
2311216	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	130	157	P/P	40 - 160
2311216	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	128	125	P/P	40 - 160
2311216	Hexafluoropropylene oxide dimer acid (HFPO-DA)	68.7	90.8	P/P	40 - 160
2311216	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	137	124	P/P	40 - 160
2311216	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	129	118	P/P	40 - 160
2311216	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	141	143	P/P	40 - 160
2311216	Perfluoro-1-butane sulfonamide (FBSA)	158	155	P/P	40 - 160
2311216	Perfluoro-1-hexane sulfonamide (FHxSA)	135	108	P/P	40 - 160
2311216	Perfluoro-1-octane sulfonamide (FOSA)	89.8	100	P/P	40 - 160
2311216	Perfluoro-3-methoxypropanoic acid (PFMPA)	112	108	P/P	40 - 160
2311216	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	84.9	78.2	P/P	40 - 160
2311216	Perfluoro-4-methoxybutanoic acid (PFMBA)	129	110	P/P	40 - 160
2311216	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	108	109	P/P	40 - 160
2311216	Perfluorobutanesulfonic acid (PFBS)	97.0	87.2	P/P	40 - 160
2311216	Perfluorobutanoic acid (PFBA)	121	127	P/P	40 - 160
2311216	Perfluorodecanesulfonic acid (PFDS)	89.4	159	P/P	40 - 160
2311216	Perfluorodecanoic acid (PFDA)	111	112	P/P	40 - 160
2311216	Perfluorododecanoic acid (PFDoA)	117	107	P/P	40 - 160
2311216	Perfluoroheptanesulfonic acid (PFHpS)	60.2	63.8	P/P	40 - 160
2311216	Perfluoroheptanoic acid (PFHpA)	108	117	P/P	40 - 160
2311216	Perfluorohexanoic acid (PFHxA)	95.3	111	P/P	40 - 160
2311216	Perfluorononanesulfonic acid (PFNS)	77.6	75.9	P/P	40 - 160
2311216	Perfluorononanoic acid (PFNA)	86.7	108	P/P	40 - 160
2311216	Perfluorooctanoic acid (PFOA)	129	115	P/P	40 - 160
2311216	Perfluoropentanesulfonic acid (PFPeS)	96.8	89.0	P/P	40 - 160
2311216	Perfluoropentanoic acid (PFPeA)	100	98.6	P/P	40 - 160
2311216	Perfluoropropanesulfonic acid (PFPrS)	85.0	103	P/P	40 - 160
2311216	Perfluorotetradecanoic acid (PFTeA)	116	142	P/P	40 - 160
2311216	Perfluorotridecanoic acid (PFTriA)	137	151	P/P	40 - 160
2311216	Perfluoroundecanoic acid (PFUnA)	47.6	70.8	P/P	40 - 160

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P410908

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310433	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	11.8	Spike	P	0 - 30
2310433	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	23.9	Spike	P	0 - 30
2310433	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	1.59	Spike	P	0 - 30
2310433	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	11.7	Spike	P	0 - 30
2310433	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.33	Spike	P	0 - 30
2310433	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.269	Spike	P	0 - 30
2310433	Hexafluoropropylene oxide dimer acid (HFPO-DA)	19.2	Spike	P	0 - 30
2310433	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	16.1	Spike	P	0 - 30
2310433	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	14.7	Spike	P	0 - 30
2310433	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	7.24	Spike	P	0 - 30
2310433	Perfluoro-1-butane sulfonamide (FBSA)	9.65	Spike	P	0 - 30
2310433	Perfluoro-1-hexane sulfonamide (FHxSA)	3.72	Spike	P	0 - 30
2310433	Perfluoro-1-octane sulfonamide (FOSA)	5.93	Spike	P	0 - 30
2310433	Perfluoro-3-methoxypropanoic acid (PFMPA)	0.748	Spike	P	0 - 30
2310433	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	13.1	Spike	P	0 - 30
2310433	Perfluoro-4-methoxybutanoic acid (PFMBA)	3.39	Spike	P	0 - 30
2310433	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	5.15	Spike	P	0 - 30
2310433	Perfluorobutanesulfonic acid (PFBS)	6.64	Spike	P	0 - 30
2310433	Perfluorobutanoic acid (PFBA)	4.37	Spike	P	0 - 30
2310433	Perfluorodecanesulfonic acid (PFDS)	22.1	Spike	P	0 - 30
2310433	Perfluorodecanoic acid (PFDA)	3.20	Spike	P	0 - 30
2310433	Perfluorododecanoic acid (PFDoA)	12.1	Spike	P	0 - 30
2310433	Perfluoroheptanesulfonic acid (PFHpS)	3.61	Spike	P	0 - 30
2310433	Perfluoroheptanoic acid (PFHpA)	16.7	Spike	P	0 - 30
2310433	Perfluorohexanesulfonic acid (PFHxS)	0.412	Spike	P	0 - 30
2310433	Perfluorohexanoic acid (PFHxA)	2.79	Spike	P	0 - 30
2310433	Perfluorononanesulfonic acid (PFNS)	1.24	Spike	P	0 - 30
2310433	Perfluorononanoic acid (PFNA)	11.9	Spike	P	0 - 30
2310433	Perfluorooctanesulfonic acid (PFOS)	1.82	Spike	P	0 - 30
2310433	Perfluorooctanoic acid (PFOA)	4.09	Spike	P	0 - 30
2310433	Perfluoropentanesulfonic acid (PFPeS)	6.09	Spike	P	0 - 30
2310433	Perfluoropentanoic acid (PFPeA)	11.5	Spike	P	0 - 30
2310433	Perfluoropropanesulfonic acid (PFPrS)	12.1	Spike	P	0 - 30
2310433	Perfluorotetradecanoic acid (PFTeA)	11.5	Spike	P	0 - 30
2310433	Perfluorotridecanoic acid (PFTriA)	12.1	Spike	P	0 - 30
2310433	Perfluoroundecanoic acid (PFUnA)	7.74	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3
Batch ID: P410910

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2311531	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	21.9	Spike	P	0 - 30
2311531	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.323	Spike	P	0 - 30
2311531	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	6.72	Spike	P	0 - 30
2311531	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	0.384	Spike	P	0 - 30
2311531	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.55	Spike	P	0 - 30
2311531	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.894	Spike	P	0 - 30
2311531	Hexafluoropropylene oxide dimer acid (HFPO-DA)	6.62	Spike	P	0 - 30
2311531	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.66	Spike	P	0 - 30
2311531	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	14.4	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P410910

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2311531	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	10.2	Spike	P	0 - 30
2311531	Perfluoro-1-butane sulfonamide (FBSA)	1.32	Spike	P	0 - 30
2311531	Perfluoro-1-hexane sulfonamide (FHxSA)	6.62	Spike	P	0 - 30
2311531	Perfluoro-1-octane sulfonamide (FOSA)	0.0982	Spike	P	0 - 30
2311531	Perfluoro-3-methoxypropanoic acid (PFMPA)	5.36	Spike	P	0 - 30
2311531	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	11.8	Spike	P	0 - 30
2311531	Perfluoro-4-methoxybutanoic acid (PFMBA)	6.41	Spike	P	0 - 30
2311531	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	2.78	Spike	P	0 - 30
2311531	Perfluorobutanesulfonic acid (PFBS)	5.73	Spike	P	0 - 30
2311531	Perfluorobutanoic acid (PFBA)	4.79	Spike	P	0 - 30
2311531	Perfluorodecanesulfonic acid (PFDS)	7.64	Spike	P	0 - 30
2311531	Perfluorodecanoic acid (PFDA)	13.3	Spike	P	0 - 30
2311531	Perfluorododecanoic acid (PFDoA)	12.6	Spike	P	0 - 30
2311531	Perfluoroheptanesulfonic acid (PFHpS)	15.8	Spike	P	0 - 30
2311531	Perfluoroheptanoic acid (PFHpA)	4.90	Spike	P	0 - 30
2311531	Perfluorohexanesulfonic acid (PFHxS)	11.1	Spike	P	0 - 30
2311531	Perfluorohexanoic acid (PFHxA)	3.90	Spike	P	0 - 30
2311531	Perfluorononanesulfonic acid (PFNS)	1.46	Spike	P	0 - 30
2311531	Perfluorononanoic acid (PFNA)	10.5	Spike	P	0 - 30
2311531	Perfluorooctanesulfonic acid (PFOS)	0.329	Spike	P	0 - 30
2311531	Perfluorooctanoic acid (PFOA)	15.2	Spike	P	0 - 30
2311531	Perfluoropentanesulfonic acid (PFPeS)	11.0	Spike	P	0 - 30
2311531	Perfluoropentanoic acid (PFPeA)	3.52	Spike	P	0 - 30
2311531	Perfluoropropanesulfonic acid (PFPrS)	6.70	Spike	P	0 - 30
2311531	Perfluorotetradecanoic acid (PFTeA)	10.5	Spike	P	0 - 30
2311531	Perfluorotridecanoic acid (PFTriA)	8.06	Spike	P	0 - 30
2311531	Perfluoroundecanoic acid (PFUnA)	12.0	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3
Batch ID: P411119

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312388	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	15.6	Spike	P	0 - 30
2312388	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	2.54	Spike	P	0 - 30
2312388	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	9.44	Spike	P	0 - 30
2312388	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	15.3	Spike	P	0 - 30
2312388	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	21.0	Spike	P	0 - 30
2312388	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	10.6	Spike	P	0 - 30
2312388	Hexafluoropropylene oxide dimer acid (HFPO-DA)	16.6	Spike	P	0 - 30
2312388	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	13.1	Spike	P	0 - 30
2312388	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	6.59	Spike	P	0 - 30
2312388	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.39	Spike	P	0 - 30
2312388	Perfluoro-1-butane sulfonamide (FBSA)	12.4	Spike	P	0 - 30
2312388	Perfluoro-1-hexane sulfonamide (FHxSA)	0.0	Spike	P	0 - 30
2312388	Perfluoro-1-octane sulfonamide (FOSA)	1.49	Spike	P	0 - 30
2312388	Perfluoro-3-methoxypropanoic acid (PFMPA)	8.28	Spike	P	0 - 30
2312388	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	12.9	Spike	P	0 - 30
2312388	Perfluoro-4-methoxybutanoic acid (PFMBA)	3.98	Spike	P	0 - 30
2312388	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	11.1	Spike	P	0 - 30
2312388	Perfluorobutanesulfonic acid (PFBS)	10.3	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P411119

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2312388	Perfluorobutanoic acid (PFBA)	8.72	Spike	P	0 - 30
2312388	Perfluorodecanesulfonic acid (PFDS)	20.3	Spike	P	0 - 30
2312388	Perfluorodecanoic acid (PFDA)	14.2	Spike	P	0 - 30
2312388	Perfluorododecanoic acid (PFDoA)	11.2	Spike	P	0 - 30
2312388	Perfluoroheptanesulfonic acid (PFHpS)	10.9	Spike	P	0 - 30
2312388	Perfluoroheptanoic acid (PFHpA)	1.97	Spike	P	0 - 30
2312388	Perfluorohexanesulfonic acid (PFHxS)	15.0	Spike	P	0 - 30
2312388	Perfluorohexanoic acid (PFHxA)	22.0	Spike	P	0 - 30
2312388	Perfluorononanesulfonic acid (PFNS)	10.2	Spike	P	0 - 30
2312388	Perfluorononanoic acid (PFNA)	1.69	Spike	P	0 - 30
2312388	Perfluorooctanesulfonic acid (PFOS)	5.82	Spike	P	0 - 30
2312388	Perfluorooctanoic acid (PFOA)	7.13	Spike	P	0 - 30
2312388	Perfluoropentanesulfonic acid (PFPeS)	0.858	Spike	P	0 - 30
2312388	Perfluoropentanoic acid (PFPeA)	12.3	Spike	P	0 - 30
2312388	Perfluoropropanesulfonic acid (PFPrS)	3.73	Spike	P	0 - 30
2312388	Perfluorotetradecanoic acid (PFTeA)	14.1	Spike	P	0 - 30
2312388	Perfluorotridecanoic acid (PFTriA)	3.28	Spike	P	0 - 30
2312388	Perfluoroundecanoic acid (PFUnA)	2.02	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3
Batch ID: P411787

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2311216	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	1.35	Spike	P	0 - 35
2311216	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	11.8	Spike	P	0 - 35
2311216	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	8.93	Spike	P	0 - 35
2311216	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	6.21	Spike	P	0 - 35
2311216	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	18.7	Spike	P	0 - 35
2311216	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.06	Spike	P	0 - 35
2311216	Hexafluoropropylene oxide dimer acid (HFPO-DA)	27.7	Spike	P	0 - 35
2311216	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.94	Spike	P	0 - 35
2311216	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	8.51	Spike	P	0 - 35
2311216	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.69	Spike	P	0 - 35
2311216	Perfluoro-1-butane sulfonamide (FBSA)	1.25	Spike	P	0 - 35
2311216	Perfluoro-1-hexane sulfonamide (FHxSA)	9.79	Spike	P	0 - 35
2311216	Perfluoro-1-octane sulfonamide (FOSA)	5.78	Spike	P	0 - 35
2311216	Perfluoro-3-methoxypropanoic acid (PFMPA)	3.53	Spike	P	0 - 35
2311216	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	8.22	Spike	P	0 - 35
2311216	Perfluoro-4-methoxybutanoic acid (PFMBA)	16.0	Spike	P	0 - 35
2311216	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.02	Spike	P	0 - 35
2311216	Perfluorobutanesulfonic acid (PFBS)	8.73	Spike	P	0 - 35
2311216	Perfluorobutanoic acid (PFBA)	5.01	Spike	P	0 - 35
2311216	Perfluorodecanesulfonic acid (PFDS)	27.4	Spike	P	0 - 35
2311216	Perfluorodecanoic acid (PFDA)	1.25	Spike	P	0 - 35
2311216	Perfluorododecanoic acid (PFDoA)	7.75	Spike	P	0 - 35
2311216	Perfluoroheptanesulfonic acid (PFHpS)	4.38	Spike	P	0 - 35
2311216	Perfluoroheptanoic acid (PFHpA)	8.01	Spike	P	0 - 35
2311216	Perfluorohexanesulfonic acid (PFHxS)	0.181	Spike	P	0 - 35
2311216	Perfluorohexanoic acid (PFHxA)	10.3	Spike	P	0 - 35
2311216	Perfluorononanesulfonic acid (PFNS)	1.07	Spike	P	0 - 35

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P411787

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2311216	Perfluorononanoic acid (PFNA)	21.9	Spike	P	0 - 35
2311216	Perfluorooctanesulfonic acid (PFOS)	11.8	Spike	P	0 - 35
2311216	Perfluorooctanoic acid (PFOA)	10.3	Spike	P	0 - 35
2311216	Perfluoropentanesulfonic acid (PFPeS)	6.14	Spike	P	0 - 35
2311216	Perfluoropentanoic acid (PFPeA)	1.22	Spike	P	0 - 35
2311216	Perfluoropropanesulfonic acid (PFPrS)	18.9	Spike	P	0 - 35
2311216	Perfluorotetradecanoic acid (PFTeA)	20.2	Spike	P	0 - 35
2311216	Perfluorotridecanoic acid (PFTriA)	7.66	Spike	P	0 - 35
2311216	Perfluoroundecanoic acid (PFUnA)	15.1	Spike	P	0 - 35

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report
Surrogates

Lab Sample ID: 2311216
Field Sample ID: DEPSB-114-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	72.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	87.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	98.9	P	30 - 160

Lab Sample ID: 2311217
Field Sample ID: DEPSB-114-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	87.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	92.4	P	30 - 160

Lab Sample ID: 2311218
Field Sample ID: DEPSB-114-2.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	84.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	93.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	87.6	P	30 - 160

Lab Sample ID: 2311219
Field Sample ID: DEPSB-115-0.5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	88.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	124	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	140	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	88.6	P	30 - 160

Lab Sample ID: 2311220
Field Sample ID: DEPSB-115-2.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	89.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	98.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.0	P	30 - 160

Lab Sample ID: 2311221
Field Sample ID: DEPSB-115-4.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	79.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	117	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2311221
Field Sample ID: DEPSB-115-4.0

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	81.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	127	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	94.0	P	30 - 160

Lab Sample ID: 2311222
Field Sample ID: SED-15

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	71.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	90.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	73.8	P	30 - 160

Lab Sample ID: 2311223
Field Sample ID: EQB-Screenpoint-2

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	60.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	85.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	89.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	73.6	P	30 - 160

Lab Sample ID: 2311224
Field Sample ID: EQB-HA-1

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	54.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	80.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	87.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	81.0	P	30 - 160

Lab Sample ID: 2311225
Field Sample ID: FRB-DEPMW-10S

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	50.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	88.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	98.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	87.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.5	P	30 - 160

Lab Sample ID: 2311226
Field Sample ID: FRB-VP-1

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	70.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	90.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	149	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	92.4	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2311226
Field Sample ID: FRB-VP-1

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	97.7	P	30 - 160

Lab Sample ID: 2311227
Field Sample ID: SW-12

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	51.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	79.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	89.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	85.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	77.5	P	30 - 160

Lab Sample ID: 2311228
Field Sample ID: DUP-SW-12

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	60.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	81.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	97.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	83.6	P	30 - 160

Lab Sample ID: 2311229
Field Sample ID: VP-3-20-24

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	96.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	156	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	99.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	70.9	P	30 - 160

Lab Sample ID: 2311230
Field Sample ID: VP-3-36-40

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	68.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	82.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	133	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	90.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	83.0	P	30 - 160

Lab Sample ID: 2311231
Field Sample ID: VP-3-48-52

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	59.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	89.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	99.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	97.9	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2311232
Field Sample ID: VP-4-20-24

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	81.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	84.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	92.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	104	P	30 - 160

Lab Sample ID: 2311233
Field Sample ID: VP-4-36-40

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	65.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	92.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	93.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.1	P	30 - 160

Lab Sample ID: 2311234
Field Sample ID: VP-4-48-52

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	67.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	84.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	93.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.0	P	30 - 160

Lab Sample ID: 2311235
Field Sample ID: VP-1-20-24

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	65.8	P	30 - 160
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	73.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	128	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	84.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	156	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	129	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	92.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	98.9	P	30 - 160

Lab Sample ID: 2311236
Field Sample ID: VP-1-36-40

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	57.3	P	30 - 160
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	82.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	84.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	82.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	120	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	80.0	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2311236
Field Sample ID: VP-1-36-40

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	87.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	142	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	70.4	P	30 - 160

Lab Sample ID: 2311237
Field Sample ID: VP-1-48-52

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	77.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	146	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2311238
Field Sample ID: VP-2-20-24

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	86.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	87.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	84.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	88.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	109	P	30 - 160

Lab Sample ID: 2311239
Field Sample ID: DUP-VP-2-20-24

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	65.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	77.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	99.7	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	79.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	97.5	P	30 - 160

Lab Sample ID: 2311240
Field Sample ID: VP-2-36-40

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	Perfluorobutanesulfonate-13C	87.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	89.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.2	P	30 - 160

Lab Sample ID: 2311241
Field Sample ID: VP-2-48-52

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	92.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	105	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2311241
Field Sample ID: VP-2-48-52

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	107	P	30 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A110904
Included Lab Sample IDs: 2311223, 2311224, 2311225, 2311227, 2311228

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	105	105	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	99.3	105	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	119	91.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	91.6	116	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	109	97.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	97.7	109	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	125	89.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	89.2	125	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	136	139	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	139	130	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	108	119	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	115	108	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	78.7	92.2	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	92.2	77.5	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	101	95.4	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	103	101	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	83.3	81.1	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	94.9	83.3	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	128	135	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	135	156	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	119	129	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	129	118	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	115	128	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	128	108	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	108	92.6	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	94.8	108	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	110	111	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	111	114	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	84.0	86.6	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	86.6	92.2	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	102	94.5	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	94.5	101	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	111	122	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	122	111	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	106	98.4	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	96.0	106	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	90.2	97.8	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	97.8	95.4	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	106	110	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	110	98.9	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	104	90.2	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	70.0	104	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	90.9	87.3	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	94.6	90.9	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	76.3	78.5	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	78.5	80.4	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	93.2	98.6	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	93.6	93.2	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	90.9	110	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	93.3	90.9	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	89.2	94.3	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A110904
Included Lab Sample IDs: 2311223, 2311224, 2311225, 2311227, 2311228

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorohexanoic acid (PFHxA)	95.9	89.2	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	104	103	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	93.5	104	P/P	60 - 160
Perfluorononanoic acid (PFNA)	84.2	94.7	P/P	60 - 160
Perfluorononanoic acid (PFNA)	94.7	93.1	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	87.7	92.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	92.7	92.5	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	108	101	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	96.7	108	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	105	117	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	117	110	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	111	113	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	125	111	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	102	127	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	85.5	102	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	87.6	120	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	91.1	87.6	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	117	119	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	119	128	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	85.3	117	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	99.8	85.3	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A110951
Included Lab Sample IDs: 2311226, 2311229, 2311230, 2311231, 2311232, 2311233, 2311234, 2311237, 2311238, 2311239, 2311240, 2311241

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	132	96.5	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	90.1	99.7	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	96.5	90.1	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	104	94.0	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	93.4	107	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	94.0	93.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	105	106	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	106	126	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	92.7	105	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	102	94.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	106	102	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	124	106	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	89.3	92.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	94.6	89.3	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	131	133	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	133	157	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	147	131	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	116	95.5	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	138	116	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	95.5	114	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	77.9	95.2	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	81.8	76.0	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	95.2	81.8	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	106	110	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A110951
Included Lab Sample IDs: 2311226, 2311229, 2311230, 2311231, 2311232, 2311233, 2311234, 2311237, 2311238, 2311239, 2311240, 2311241

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	84.1	106	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	92.8	84.1	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	107	81.5	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	81.5	86.4	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	89.9	107	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	129	86.5	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151	129	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	86.5	123	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	113	132	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	132	138	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	138	133	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	95.7	113	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	111	123	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	123	125	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	89.0	111	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	104	114	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	104	98.2	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	98.2	104	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	104	99.2	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	106	111	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	99.2	106	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	79.8	82.6	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	82.6	89.8	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	89.8	76.9	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	62.7	90.2	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	90.2	99.0	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	99.0	89.7	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	109	123	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	118	109	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	123	112	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	105	106	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	105	98.4	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	93.2	105	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	95.2	93.2	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	103	93.6	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	114	99.9	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	99.9	103	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	105	89.4	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	124	105	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	89.4	102	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	77.0	83.2	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	90.2	77.0	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	93.2	90.2	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	115	75.7	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	75.7	88.9	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	98.6	115	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	83.8	84.3	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	84.3	73.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	86.4	83.8	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	102	103	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	103	101	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A110951
Included Lab Sample IDs: 2311226, 2311229, 2311230, 2311231, 2311232, 2311233, 2311234, 2311237, 2311238, 2311239, 2311240, 2311241

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoroheptanoic acid (PFHpA)	90.2	102	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	86.4	90.2	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	90.2	91.0	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	90.3	96.8	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	96.8	99.4	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	99.4	86.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	110	80.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	113	110	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	151	77.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	80.4	151	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	84.7	113	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	138	99.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	95.5	107	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	99.8	95.5	P/P	60 - 160
Perfluorononanoic acid (PFNA)	79.6	85.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	85.2	96.9	P/P	60 - 160
Perfluorononanoic acid (PFNA)	96.9	70.5	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	84.9	99.2	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	86.3	95.4	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	94.8	88.5	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	95.4	84.9	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	99.2	94.8	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	101	106	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	106	90.2	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	93.3	101	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	112	112	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	113	116	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	116	112	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	96.5	113	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	102	115	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	107	95.9	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	115	129	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	129	106	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	95.9	102	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	104	99.0	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	122	104	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	141	122	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	80.6	92.1	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	80.9	87.2	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	87.2	80.6	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	104	126	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	115	104	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	126	143	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	135	71.3	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	145	135	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	81.0	145	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A111037
Included Lab Sample IDs: 2311235, 2311236

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	106	103	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	137	94.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	100	97.7	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	110	117	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	70.4	113	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	144	157	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	102	108	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	79.5	88.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	84.9	112	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	86.0	88.1	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	70.1	118	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	151	128	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	140	133	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	100	92.7	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	123	113	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	80.2	89.0	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	125	121	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	122	122	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	100	107	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	98.2	99.6	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	101	97.3	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	92.3	92.0	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	105	106	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	92.5	81.1	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	82.9	86.8	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	73.7	72.8	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	74.4	75.2	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	99.8	108	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	87.1	96.5	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	79.0	106	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	98.9	99.5	P/P	60 - 160
Perfluorononanoic acid (PFNA)	85.7	96.1	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	91.8	107	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	130	138	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	67.7	68.6	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	121	124	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	123	117	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	106	114	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	83.5	101	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	91.7	105	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	105	97.5	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	145	124	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	112	92.9	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A111380
Included Lab Sample IDs: 2311216, 2311217, 2311218, 2311219, 2311220, 2311221, 2311222

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	111	124	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	119	111	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A111380
Included Lab Sample IDs: 2311216, 2311217, 2311218, 2311219, 2311220, 2311221, 2311222

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	116	85.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	85.3	110	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	101	112	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	112	116	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	127	110	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	88.6	127	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	152	157	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	157	152	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	109	118	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	116	109	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	89.7	96.2	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	96.2	104	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	136	158	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	137	136	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	105	106	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	127	105	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	125	110	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	135	125	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	152	159	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	159	146	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	116	127	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	127	108	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	114	94.4	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	96.6	114	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	109	103	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	109	109	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	73.4	76.9	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	76.9	80.1	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	112	106	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	98.7	112	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	114	115	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	115	122	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	93.9	99.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	99.5	105	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	106	102	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	110	106	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	108	109	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	109	114	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	119	92.4	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	92.4	101	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	124	111	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	152	124	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	64.1	68.7	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	67.3	64.1	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	109	110	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	110	114	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	101	109	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	108	101	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	100	112	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	112	106	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	102	89.9	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A111380
Included Lab Sample IDs: 2311216, 2311217, 2311218, 2311219, 2311220, 2311221, 2311222

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorononanesulfonic acid (PFNS)	89.9	101	P/P	60 - 160
Perfluorononanoic acid (PFNA)	108	118	P/P	60 - 160
Perfluorononanoic acid (PFNA)	118	100	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	107	114	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	138	143	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	143	105	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	115	127	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	116	115	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	108	119	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	113	108	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	84.4	89.8	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	88.8	84.4	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	141	147	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	147	155	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	151	158	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	123	96.2	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	141	123	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A111411
Included Lab Sample IDs: 2311216

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorotridecanoic acid (PFTriA)	149	110	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		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	96.5	77.4	87.1			11.8
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	88.7	67.0	53.8			21.9
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	70.7	73.8	63.1			15.6
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	120	126	127			1.35
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	88.8	97.3	124			23.9
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	116	93.0	92.7			0.323
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	98.2	93.2	95.6			2.54
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	71.0	114	102			11.8
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	88.3	106	108			1.59
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	98.4	89.2	83.4			6.72
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	84.2	97.6	88.8			9.44
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	90.1	123	112			8.93
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	122	132	117			11.7
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	118	104	104			0.384
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	92.8	118	101			15.3
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	116	105	111			6.21
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	127	121	129			6.33
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	159	142	151			6.55
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	105	158	128			21.0
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	143	157	130			18.7
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	120	112	112			0.269
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	106	112	111			0.894
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	105	105	94.1			10.6
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	121	125	128			2.06
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	93.8	80.9	98.1			19.2
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	86.9	76.5	71.6			6.62
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	80.9	102	86.6			16.6
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	71.7	68.7	90.8			27.7
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	90.4	95.5	112			16.1

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	107	91.0	96.3			5.66
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	106	99.2	113			13.1
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	138	137	124			9.94
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	91.6	72.6	84.1			14.7
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	103	81.8	94.5			14.4
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	89.3	94.0	88.0			6.59
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	111	129	118			8.51
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	153	116	108			7.24
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	156	126	140			10.2
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	130	118	116			2.39
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	127	143	141			1.69
	Perfluoro-1-butane sulfonamide (FBSA)	156	134	148			9.65
	Perfluoro-1-butane sulfonamide (FBSA)	149	123	121			1.32
	Perfluoro-1-butane sulfonamide (FBSA)	118	138	122			12.4
	Perfluoro-1-butane sulfonamide (FBSA)	145	155	158			1.25
	Perfluoro-1-hexane sulfonamide (FHxSA)	156	137	142			3.72
	Perfluoro-1-hexane sulfonamide (FHxSA)	140	118	126			6.62
	Perfluoro-1-hexane sulfonamide (FHxSA)	151	135	135			0.0
	Perfluoro-1-hexane sulfonamide (FHxSA)	111	108	135			9.79
	Perfluoro-1-octane sulfonamide (FOSA)	100	105	111			5.93
	Perfluoro-1-octane sulfonamide (FOSA)	107	102	102			0.0982
	Perfluoro-1-octane sulfonamide (FOSA)	95.4	108	106			1.49
	Perfluoro-1-octane sulfonamide (FOSA)	96.7	100	89.8			5.78
	Perfluoro-3-methoxypropanoic acid (PFMPA)	112	121	120			0.748
	Perfluoro-3-methoxypropanoic acid (PFMPA)	104	109	104			5.36
	Perfluoro-3-methoxypropanoic acid (PFMPA)	115	120	110			8.28
	Perfluoro-3-methoxypropanoic acid (PFMPA)	113	108	112			3.53

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	85.2	96.8	84.9			13.1
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	84.9	83.1	93.5			11.8
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	82.6	84.1	73.9			12.9
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	87.3	78.2	84.9			8.22
	Perfluoro-4-methoxybutanoic acid (PFMBA)	106	116	120			3.39
	Perfluoro-4-methoxybutanoic acid (PFMBA)	97.7	98.2	92.1			6.41
	Perfluoro-4-methoxybutanoic acid (PFMBA)	107	116	120			3.98
	Perfluoro-4-methoxybutanoic acid (PFMBA)	114	110	129			16.0
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	135	117	124			5.15
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113	114	117			2.78
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	121	126	112			11.1
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113	109	108			1.02
	Perfluorobutanesulfonic acid (PFBS)	101	92.6	103			6.64
	Perfluorobutanesulfonic acid (PFBS)	100	120	109			5.73
	Perfluorobutanesulfonic acid (PFBS)	99.5	102	89.8			10.3
	Perfluorobutanesulfonic acid (PFBS)	105	97.0	87.2			8.73
	Perfluorobutanoic acid (PFBA)	94.3	112	120			4.37
	Perfluorobutanoic acid (PFBA)	99.1	112	104			4.79
	Perfluorobutanoic acid (PFBA)	93.4	102	93.2			8.72
	Perfluorobutanoic acid (PFBA)	103	121	127			5.01
	Perfluorodecanesulfonic acid (PFDS)	105	77.2	97.4			22.1
	Perfluorodecanesulfonic acid (PFDS)	100	73.4	68.0			7.64
	Perfluorodecanesulfonic acid (PFDS)	82.7	86.7	70.7			20.3
	Perfluorodecanesulfonic acid (PFDS)	113	89.4	159			27.4
	Perfluorodecanoic acid (PFDA)	90.1	92.0	89.1			3.20
	Perfluorodecanoic acid (PFDA)	89.8	126	110			13.3
	Perfluorodecanoic acid (PFDA)	58.6	67.6	77.9			14.2
	Perfluorodecanoic acid (PFDA)	136	111	112			1.25
	Perfluorododecanoic acid (PFDoA)	93.1	98.7	87.4			12.1
	Perfluorododecanoic acid (PFDoA)	92.9	95.2	83.9			12.6
	Perfluorododecanoic acid (PFDoA)	57.9	83.3	93.2			11.2
	Perfluorododecanoic acid (PFDoA)	108	117	107			7.75
	Perfluoroheptanesulfonic acid (PFHpS)	77.4	82.4	79.2			3.61
	Perfluoroheptanesulfonic acid (PFHpS)	78.8	79.8	93.5			15.8
	Perfluoroheptanesulfonic acid (PFHpS)	76.7	78.3	70.2			10.9

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoroheptanesulfonic acid (PFHpS)	67.9	60.2	63.8			4.38
	Perfluoroheptanoic acid (PFHpA)	98.7	109	145			16.7
	Perfluoroheptanoic acid (PFHpA)	87.1	97.5	103			4.90
	Perfluoroheptanoic acid (PFHpA)	114	118	116			1.97
	Perfluoroheptanoic acid (PFHpA)	124	108	117			8.01
	Perfluorohexanesulfonic acid (PFHxS)	92.5	105	105			0.412
	Perfluorohexanesulfonic acid (PFHxS)	97.3	84.2	104			11.1
	Perfluorohexanesulfonic acid (PFHxS)	93.8	93.3	77.3			15.0
	Perfluorohexanesulfonic acid (PFHxS)	112					0.181
	Perfluorohexanoic acid (PFHxA)	120	95.1	101			2.79
	Perfluorohexanoic acid (PFHxA)	123	103	108			3.90
	Perfluorohexanoic acid (PFHxA)	93.6	94.5	118			22.0
	Perfluorohexanoic acid (PFHxA)	97.9	95.3	111			10.3
	Perfluorononanesulfonic acid (PFNS)	98.0	96.0	97.2			1.24
	Perfluorononanesulfonic acid (PFNS)	108	96.3	94.9			1.46
	Perfluorononanesulfonic acid (PFNS)	87.2	94.7	85.5			10.2
	Perfluorononanesulfonic acid (PFNS)	93.0	77.6	75.9			1.07
	Perfluorononanoic acid (PFNA)	73.4	98.2	111			11.9
	Perfluorononanoic acid (PFNA)	112	110	99.3			10.5
	Perfluorononanoic acid (PFNA)	62.6	82.2	83.6			1.69
	Perfluorononanoic acid (PFNA)	87.0	86.7	108			21.9
	Perfluorooctanesulfonic acid (PFOS)	94.8					1.82
	Perfluorooctanesulfonic acid (PFOS)	96.5					0.329
	Perfluorooctanesulfonic acid (PFOS)	93.5	99.7	92.9			5.82
	Perfluorooctanesulfonic acid (PFOS)	115					11.8
	Perfluorooctanoic acid (PFOA)	110	103	91.2			4.09
	Perfluorooctanoic acid (PFOA)	124	103	128			15.2
	Perfluorooctanoic acid (PFOA)	81.4	109	101			7.13
	Perfluorooctanoic acid (PFOA)	111	129	115			10.3
	Perfluoropentanesulfonic acid (PFPeS)	116	107	114			6.09
	Perfluoropentanesulfonic acid (PFPeS)	108	108	122			11.0
	Perfluoropentanesulfonic acid (PFPeS)	111	112	113			0.858
	Perfluoropentanesulfonic acid (PFPeS)	111	96.8	89.0			6.14
	Perfluoropentanoic acid (PFPeA)	126	110	142			11.5
	Perfluoropentanoic acid (PFPeA)	107	95.7	90.1			3.52
	Perfluoropentanoic acid (PFPeA)	94.8	121	107			12.3
	Perfluoropentanoic acid (PFPeA)	127	100	98.6			1.22
	Perfluoropropanesulfonic acid (PFPrS)	114	110	124			12.1
	Perfluoropropanesulfonic acid (PFPrS)	102	111	104			6.70

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)	76.7	92.1	95.6			3.73
	Perfluoropropanesulfonic acid (PFPrS)	90.5	103	85.0			18.9
	Perfluorotetradecanoic acid (PFTeA)	84.8	122	109			11.5
	Perfluorotetradecanoic acid (PFTeA)	97.2	103	115			10.5
	Perfluorotetradecanoic acid (PFTeA)	79.4	73.3	84.4			14.1
	Perfluorotetradecanoic acid (PFTeA)	148	142	116			20.2
	Perfluorotridecanoic acid (PFTriA)	148	153	136			12.1
	Perfluorotridecanoic acid (PFTriA)	158	132	121			8.06
	Perfluorotridecanoic acid (PFTriA)	118	124	120			3.28
	Perfluorotridecanoic acid (PFTriA)	152	137	151			7.66
	Perfluoroundecanoic acid (PFUnA)	134	85.7	92.6			7.74
	Perfluoroundecanoic acid (PFUnA)	79.9	110	97.6			12.0
	Perfluoroundecanoic acid (PFUnA)	74.3	98.2	100			2.02
	Perfluoroundecanoic acid (PFUnA)	125	47.6	70.8			15.1

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: LC-001-3	Perfluorinated alkyl substances in sediment/solid matrices by HPLC/MS/MS	2311216, 2311217, 2311218, 2311219, 2311220, 2311221, 2311222
DEP SOP: LC-001-3	Perfluorinated alkyl substances in water matrices by HPLC/MS/MS	2311223, 2311224, 2311225, 2311226, 2311227, 2311228, 2311229, 2311230, 2311231, 2311232, 2311233, 2311234, 2311235, 2311236, 2311237, 2311238, 2311239, 2311240, 2311241
SM 2540 G (20th)	Percent solid determination before the other sample preparations.	2311247, 2311248, 2311249, 2311250, 2311251, 2311252, 2311256

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	03/09/2022	03/11/2022 09:00	Hoor Shaik	03/12/2022 07:06	Mohammad Ghaffari	2311223
	03/09/2022	03/11/2022 09:00	Hoor Shaik	03/12/2022 07:17	Mohammad Ghaffari	2311224
	03/09/2022	03/11/2022 09:00	Hoor Shaik	03/12/2022 07:28	Mohammad Ghaffari	2311225
	03/09/2022	03/11/2022 09:00	Hoor Shaik	03/12/2022 08:33	Mohammad Ghaffari	2311227
	03/09/2022	03/11/2022 09:00	Hoor Shaik	03/12/2022 08:44	Mohammad Ghaffari	2311228
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 08:55	Mohammad Ghaffari	2311226
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 10:22	Mohammad Ghaffari	2311238
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 10:32	Mohammad Ghaffari	2311239
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 10:43	Mohammad Ghaffari	2311229
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 10:54	Mohammad Ghaffari	2311230
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 11:05	Mohammad Ghaffari	2311231
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 11:16	Mohammad Ghaffari	2311232
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 11:27	Mohammad Ghaffari	2311233
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 11:37	Mohammad Ghaffari	2311234
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 12:20	Mohammad Ghaffari	2311237
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 12:31	Mohammad Ghaffari	2311240
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 12:42	Mohammad Ghaffari	2311241
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 13:47	Mohammad Ghaffari	2311238
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 13:57	Mohammad Ghaffari	2311238
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 14:08	Mohammad Ghaffari	2311239
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 14:19	Mohammad Ghaffari	2311239
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 14:30	Mohammad Ghaffari	2311229
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 15:02	Mohammad Ghaffari	2311234
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 15:13	Mohammad Ghaffari	2311237
	03/09/2022	03/14/2022 09:00	Hoor Shaik	03/15/2022 15:34	Mohammad Ghaffari	2311240
	03/09/2022	03/17/2022 09:00	Hoor Shaik	03/18/2022 15:47	Mohammad Ghaffari	2311235
	03/09/2022	03/17/2022 09:00	Hoor Shaik	03/18/2022 15:58	Mohammad Ghaffari	2311236
	03/09/2022	03/17/2022 09:00	Hoor Shaik	03/20/2022 13:22	Mohammad Ghaffari	2311235
	03/09/2022	03/17/2022 09:00	Hoor Shaik	03/20/2022 13:33	Mohammad Ghaffari	2311236
	03/09/2022	03/17/2022 09:00	Hoor Shaik	03/20/2022 13:43	Mohammad Ghaffari	2311235
	03/09/2022	03/17/2022 09:00	Hoor Shaik	03/20/2022 13:54	Mohammad Ghaffari	2311236
	03/09/2022	03/31/2022 12:00	Umesh Chiluwal	04/04/2022 14:24	Umesh Chiluwal	2311216
	03/09/2022	03/31/2022 12:00	Umesh Chiluwal	04/04/2022 14:46	Umesh Chiluwal	2311217
	03/09/2022	03/31/2022 12:00	Umesh Chiluwal	04/04/2022 14:57	Umesh Chiluwal	2311218
	03/09/2022	03/31/2022 12:00	Umesh Chiluwal	04/04/2022 15:07	Umesh Chiluwal	2311219
	03/09/2022	03/31/2022 12:00	Umesh Chiluwal	04/04/2022 15:18	Umesh Chiluwal	2311220
	03/09/2022	03/31/2022 12:00	Umesh Chiluwal	04/04/2022 15:29	Umesh Chiluwal	2311221
	03/09/2022	03/31/2022 12:00	Umesh Chiluwal	04/04/2022 15:40	Umesh Chiluwal	2311222
	03/09/2022	03/31/2022 12:00	Umesh Chiluwal	04/04/2022 15:51	Umesh Chiluwal	2311216
	03/09/2022	03/31/2022 12:00	Umesh Chiluwal	04/07/2022 16:18	Umesh Chiluwal	2311216

Chemical Analysis Report

SIS-2022-04-11-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

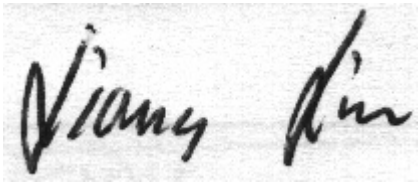
Event Description: **Fire Academy of the South**
Request ID: **RQ-2021-11-15-48**
Customer: **SIS**
Project ID: **SIS-PFAS**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Road
Twin Towers Bldg. MS# 4515
Tallahassee, FL 32399
Attn: Jeff Newton

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Liang Lin, Environmental Administrator

Date Certified: 05-MAY-2022 14:47



NON-CONFORMANCE REPORT INCLUDED

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 groups are included in this report: Pesticides and Priority Organic Pollutants.

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: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 11:33**

Field ID: FSCT-TMW-15 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317921	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	150		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	1.1E+03		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	12		ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	2.3E+03		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	1.9E+03		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	2.8E+03		ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	170		ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	1.4E+03		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	5.9E+03		ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	4.0E+03		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	79		ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	170		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	57		ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	15		ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	8.2		ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	750		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	6.3E+03		ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	230		ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	32		ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	2.9E+04		ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	1.7E+04		ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	4.1		ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	1.3	I	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: FSCT-TMW-15 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317921	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	69		ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 08:53**

Field ID: FSCT-TMW-25R Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317922	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	410		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	1.5E+03		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	320		ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	23		ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	2.2E+03		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	4.8E+03		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	5.5E+03		ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	180		ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	2.2E+03		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	2.4E+04		ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	7.9E+03		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.6	I	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	160		ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	420		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	170		ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	22		ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	24		ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	2.2E+03		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.6E+04		ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	530		ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	71		ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	6.1E+04		ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	4.6E+03		ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	41		ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	1.7	I	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: FSCT-TMW-25R Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317922	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	220		ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 08:53**

Field ID: FSCT-TMW-25R Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317913	EPA 8270E	Acenaphthene	0.026	U	ug/L	P412199	
		Acenaphthylene	0.026	U	ug/L	P412199	
		Acetophenone	0.21	U	ug/L	P412199	
		2-Acetylaminofluorene	1.0	U	ug/L	P412199	
		4-Aminobiphenyl	4.2	U	ug/L	P412199	
		Aniline	1.0	U	ug/L	P412199	
		Anthracene	0.052	U	ug/L	P412199	
		Azobenzene/1,2-Diphenylhydrazine**	0.052	U	ug/L	P412199	
		Benzidine	10	U	ug/L	P412199	
		Benzo(a)anthracene	0.026	U	ug/L	P412199	
		Benzo(a)pyrene	0.026	U	ug/L	P412199	
		Benzo(b)fluoranthene	0.026	U	ug/L	P412199	
		Benzo(k)fluoranthene	0.026	U	ug/L	P412199	
		Benzo(g,h,i)perylene	0.026	U	ug/L	P412199	
		Benzyl alcohol	0.21	U	ug/L	P412199	
		Bis(2-chloroethoxy)methane	0.052	U	ug/L	P412199	
		Bis(2-chloroethyl)ether	0.052	U	ug/L	P412199	
		Bis(2-chloroisopropyl)ether	0.052	U	ug/L	P412199	
		Bis(2-ethylhexyl)phthalate	5.2	U	ug/L	P412199	
		Butyl benzyl phthalate	1.0	U	ug/L	P412199	
		4-Bromophenyl phenyl ether	0.052	U	ug/L	P412199	
		2-Chloronaphthalene	0.052	U	ug/L	P412199	
		4-Chlorophenyl phenyl ether	0.052	U	ug/L	P412199	
		Carbazole	0.052	U	ug/L	P412199	
		Chrysene	0.026	U	ug/L	P412199	
		m,p-Cresols	0.052	U	ug/L	P412199	
		o-Cresol	0.052	U	ug/L	P412199	
		Di-n-butyl phthalate	2.1	U	ug/L	P412199	
		Di-n-octyl phthalate	0.052	U	ug/L	P412199	
		Dibenzo(a,h)anthracene	0.026	U	ug/L	P412199	
		Dibenzofuran	0.052	U	ug/L	P412199	
		3,3'-Dichlorobenzidine	10	U	ug/L	P412199	
		Diethyl phthalate	2.1	U	ug/L	P412199	
		Dimethyl phthalate	0.21	U	ug/L	P412199	
		Dimethylaminoazobenzene	0.052	U	ug/L	P412199	
		7,12-Dimethylbenz(a)anthracene	0.10	U	ug/L	P412199	
		1,3-Dinitrobenzene	0.21	U	ug/L	P412199	
		2,4-Dinitrotoluene	0.052	U	ug/L	P412199	
		2,6-Dinitrotoluene	0.052	U	ug/L	P412199	
		Dinoseb**	4.2	U	ug/L	P412199	
		Ethyl methanesulfonate	1.0	U	ug/L	P412199	
		Fluoranthene	0.052	U	ug/L	P412199	
		Fluorene	0.026	U	ug/L	P412199	
		Hexachlorobenzene	0.052	U	ug/L	P412199	

Field ID: FSCT-TMW-25R Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317913	EPA 8270E	Hexachlorobutadiene	0.052	U	ug/L	P412199	
		Hexachlorocyclopentadiene	0.052	U	ug/L	P412199	
		Hexachloroethane	0.052	U	ug/L	P412199	
		Hexachloropropene	0.052	U	ug/L	P412199	
		Indeno(1,2,3-cd)pyrene	0.026	U	ug/L	P412199	
		Isophorone	0.052	U	ug/L	P412199	
		Isosafrole	0.052	U	ug/L	P412199	
		3-Methylcholanthrene	0.10	U	ug/L	P412199	
		2-Methylnaphthalene	0.10	U	ug/L	P412199	
		Naphthalene	0.10	U	ug/L	P412199	
		1-Naphthylamine	10	U	ug/L	P412199	
		2-Naphthylamine	10	U	ug/L	P412199	
		2-Nitroaniline	0.052	U	ug/L	P412199	
		Nitrobenzene	0.052	U	ug/L	P412199	
		5-Nitro-o-toluidine	0.10	U	ug/L	P412199	
		N-Nitrosodi-n-butylamine	0.052	U	ug/L	P412199	
		N-Nitrosodiethylamine	1.0	U	ug/L	P412199	
		N-Nitrosodimethylamine	2.1	U	ug/L	P412199	
		N-Nitrosodi-n-propylamine	0.052	U	ug/L	P412199	
		N-Nitrosomethylethylamine	2.1	U	ug/L	P412199	
		N-Nitrosomorpholine	0.052	U	ug/L	P412199	
		N-Nitrosopiperidine	0.052	U	ug/L	P412199	
		N-Nitrosopyrrolidine	0.10	U	ug/L	P412199	
		Pentachlorobenzene	0.052	U	ug/L	P412199	
		Pentachloroethane**	0.052	U	ug/L	P412199	
		Pentachloronitrobenzene	0.052	U	ug/L	P412199	
		Phenacetin	1.0	U	ug/L	P412199	
		Phenanthrene	0.10	U	ug/L	P412199	
		2-Picoline	1.0	U	ug/L	P412199	
		Pyrene	0.10	U	ug/L	P412199	
		Pyridine	4.2	U	ug/L	P412199	
		Safrole	0.052	U	ug/L	P412199	
		1,2,4,5-Tetrachlorobenzene	0.052	U	ug/L	P412199	
		o-Toluidine	0.10	U	ug/L	P412199	
		1,2,4-Trichlorobenzene	0.052	U	ug/L	P412199	
		1,3,5-Trinitrobenzene	0.21	U	ug/L	P412199	
		4-Chloro-3-methylphenol	0.052	U	ug/L	P412199	
		2-Chlorophenol	0.052	U	ug/L	P412199	
		2,4-Dichlorophenol	0.052	U	ug/L	P412199	
		2,6-Dichlorophenol	0.052	U	ug/L	P412199	
		2,4-Dimethylphenol	0.052	U	ug/L	P412199	
		2,4-Dinitrophenol	10	U	ug/L	P412199	
		2-Methyl-4,6-dinitrophenol	3.1	U	ug/L	P412199	
		2-Nitrophenol	0.052	U	ug/L	P412199	
		4-Nitrophenol	10	U	ug/L	P412199	

Field ID: FSCT-TMW-25R Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317913	EPA 8270E	Pentachlorophenol	0.52	U	ug/L	P412199	
		Phenol	0.052	U	ug/L	P412199	
		2,3,4,6-Tetrachlorophenol	0.10	U	ug/L	P412199	
		2,4,5-Trichlorophenol	0.052	U	ug/L	P412199	
		2,4,6-Trichlorophenol	0.052	U	ug/L	P412199	
		1-Methylnaphthalene	0.10	U	ug/L	P412199	
2317917	FL-PRO 2018	TRPH	0.47	UY	mg/L	P412337	
2317933	EPA 8260D	Benzene	0.20	U	ug/L	P412273	
		Bromodichloromethane	0.20	U	ug/L	P412273	
		Bromoform	0.50	U	ug/L	P412273	
		Bromomethane	0.50	U	ug/L	P412273	
		2-Butanone	3.0	U	ug/L	P412273	
		Carbon tetrachloride	0.20	U	ug/L	P412273	
		Chlorobenzene	0.20	U	ug/L	P412273	
		Chloroethane	0.50	U	ug/L	P412273	
		Chloroform	0.20	U	ug/L	P412273	
		Chloromethane	0.50	U	ug/L	P412273	
		Dibromochloromethane	0.20	U	ug/L	P412273	
		1,2-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,3-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,4-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,1-Dichloroethane	0.20	U	ug/L	P412273	
		1,2-Dichloroethane	0.20	U	ug/L	P412273	
		1,1-Dichloroethene	0.20	U	ug/L	P412273	
		cis-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		trans-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		1,2-Dichloropropane	0.20	U	ug/L	P412273	
		cis-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		trans-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		Ethylbenzene	0.20	U	ug/L	P412273	
		Methyl-t-butyl ether	0.20	U	ug/L	P412273	
		Methylene chloride	1.0	U	ug/L	P412273	
		1,1,2,2-Tetrachloroethane	0.20	UJ	ug/L	P412273	CCV
		Tetrachloroethene	0.20	U	ug/L	P412273	
		Toluene	0.50	U	ug/L	P412273	
		1,1,1-Trichloroethane	0.20	U	ug/L	P412273	
		1,1,2-Trichloroethane	0.20	U	ug/L	P412273	
		Trichloroethene	0.20	U	ug/L	P412273	
		Trichlorofluoromethane	0.20	U	ug/L	P412273	
		Vinyl chloride	0.20	U	ug/L	P412273	
		o-Xylene	0.50	U	ug/L	P412273	
		m,p-Xylene	0.50	U	ug/L	P412273	

Ref. Method and Comment:
EPA 8270E: Insufficient sample available to perform matrix spikes.
FL-PRO 2018: Insufficient sample available to perform matrix spikes. Y - Due to improper preservation; see NCR report.
EPA 8260D: Insufficient sample was available to perform duplicate matrix spikes. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 10:35**

Field ID: FSCT-TMW-35 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317923	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	73		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	690		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	290		ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	1.8E+03		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	2.0E+03		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	1.6E+03		ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	440		ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	1.2E+03		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	9.2E+03		ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	3.0E+03		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	300		ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	120		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	90		ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	32		ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	350		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.5E+04		ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	36		ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	10		ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	4.6E+03	I	ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	3.1E+03		ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: FSCT-TMW-35 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317923	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	21		ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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. The MDL for 6:2 FTS is elevated due to required dilution of sample matrix.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 10:35**

Field ID: FSCT-TMW-35 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317914	EPA 8270E	Acenaphthene	0.026	U	ug/L	P412199	
		Acenaphthylene	0.026	U	ug/L	P412199	
		Acetophenone	0.21	U	ug/L	P412199	
		2-Acetylaminofluorene	1.0	U	ug/L	P412199	
		4-Aminobiphenyl	4.2	U	ug/L	P412199	
		Aniline	1.0	U	ug/L	P412199	
		Anthracene	0.052	U	ug/L	P412199	
		Azobenzene/1,2-Diphenylhydrazine**	0.052	U	ug/L	P412199	
		Benzidine	10	U	ug/L	P412199	
		Benzo(a)anthracene	0.026	U	ug/L	P412199	
		Benzo(a)pyrene	0.026	U	ug/L	P412199	
		Benzo(b)fluoranthene	0.026	U	ug/L	P412199	
		Benzo(k)fluoranthene	0.026	U	ug/L	P412199	
		Benzo(g,h,i)perylene	0.026	U	ug/L	P412199	
		Benzyl alcohol	0.21	U	ug/L	P412199	
		Bis(2-chloroethoxy)methane	0.052	U	ug/L	P412199	
		Bis(2-chloroethyl)ether	0.052	U	ug/L	P412199	
		Bis(2-chloroisopropyl)ether	0.052	U	ug/L	P412199	
		Bis(2-ethylhexyl)phthalate	5.2	U	ug/L	P412199	
		Butyl benzyl phthalate	1.0	U	ug/L	P412199	
		4-Bromophenyl phenyl ether	0.052	U	ug/L	P412199	
		2-Chloronaphthalene	0.052	U	ug/L	P412199	
		4-Chlorophenyl phenyl ether	0.052	U	ug/L	P412199	
		Carbazole	0.052	U	ug/L	P412199	
		Chrysene	0.026	U	ug/L	P412199	
		m,p-Cresols	0.052	U	ug/L	P412199	
		o-Cresol	0.052	U	ug/L	P412199	
		Di-n-butyl phthalate	2.1	U	ug/L	P412199	
		Di-n-octyl phthalate	0.052	U	ug/L	P412199	
		Dibenzo(a,h)anthracene	0.026	U	ug/L	P412199	
		Dibenzofuran	0.052	U	ug/L	P412199	
		3,3'-Dichlorobenzidine	10	U	ug/L	P412199	
		Diethyl phthalate	2.1	U	ug/L	P412199	
		Dimethyl phthalate	0.21	U	ug/L	P412199	
		Dimethylaminoazobenzene	0.052	U	ug/L	P412199	
		7,12-Dimethylbenz(a)anthracene	0.10	U	ug/L	P412199	
		1,3-Dinitrobenzene	0.21	U	ug/L	P412199	
		2,4-Dinitrotoluene	0.052	U	ug/L	P412199	
		2,6-Dinitrotoluene	0.052	U	ug/L	P412199	
		Dinoseb**	4.2	U	ug/L	P412199	
		Ethyl methanesulfonate	1.0	U	ug/L	P412199	
		Fluoranthene	0.052	U	ug/L	P412199	
		Fluorene	0.026	U	ug/L	P412199	
		Hexachlorobenzene	0.052	U	ug/L	P412199	

Field ID: FSCT-TMW-35 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317914	EPA 8270E	Hexachlorobutadiene	0.052	U	ug/L	P412199	
		Hexachlorocyclopentadiene	0.052	U	ug/L	P412199	
		Hexachloroethane	0.052	U	ug/L	P412199	
		Hexachloropropene	0.052	U	ug/L	P412199	
		Indeno(1,2,3-cd)pyrene	0.026	U	ug/L	P412199	
		Isophorone	0.052	U	ug/L	P412199	
		Isosafrole	0.052	U	ug/L	P412199	
		3-Methylcholanthrene	0.10	U	ug/L	P412199	
		2-Methylnaphthalene	0.10	U	ug/L	P412199	
		Naphthalene	0.10	U	ug/L	P412199	
		1-Naphthylamine	10	U	ug/L	P412199	
		2-Naphthylamine	10	U	ug/L	P412199	
		2-Nitroaniline	0.052	U	ug/L	P412199	
		Nitrobenzene	0.052	U	ug/L	P412199	
		5-Nitro-o-toluidine	0.10	U	ug/L	P412199	
		N-Nitrosodi-n-butylamine	0.052	U	ug/L	P412199	
		N-Nitrosodiethylamine	1.0	U	ug/L	P412199	
		N-Nitrosodimethylamine	2.1	U	ug/L	P412199	
		N-Nitrosodi-n-propylamine	0.052	U	ug/L	P412199	
		N-Nitrosomethylethylamine	2.1	U	ug/L	P412199	
		N-Nitrosomorpholine	0.052	U	ug/L	P412199	
		N-Nitrosopiperidine	0.052	U	ug/L	P412199	
		N-Nitrosopyrrolidine	0.10	U	ug/L	P412199	
		Pentachlorobenzene	0.052	U	ug/L	P412199	
		Pentachloroethane**	0.052	U	ug/L	P412199	
		Pentachloronitrobenzene	0.052	U	ug/L	P412199	
		Phenacetin	1.0	U	ug/L	P412199	
		Phenanthrene	0.10	U	ug/L	P412199	
		2-Picoline	1.0	U	ug/L	P412199	
		Pyrene	0.10	U	ug/L	P412199	
		Pyridine	4.2	U	ug/L	P412199	
		Safrole	0.052	U	ug/L	P412199	
		1,2,4,5-Tetrachlorobenzene	0.052	U	ug/L	P412199	
		o-Toluidine	0.10	U	ug/L	P412199	
		1,2,4-Trichlorobenzene	0.052	U	ug/L	P412199	
		1,3,5-Trinitrobenzene	0.21	U	ug/L	P412199	
		4-Chloro-3-methylphenol	0.052	U	ug/L	P412199	
		2-Chlorophenol	0.052	U	ug/L	P412199	
		2,4-Dichlorophenol	0.052	U	ug/L	P412199	
		2,6-Dichlorophenol	0.052	U	ug/L	P412199	
		2,4-Dimethylphenol	0.052	U	ug/L	P412199	
		2,4-Dinitrophenol	10	U	ug/L	P412199	
		2-Methyl-4,6-dinitrophenol	3.1	U	ug/L	P412199	
		2-Nitrophenol	0.052	U	ug/L	P412199	
		4-Nitrophenol	10	U	ug/L	P412199	

Field ID: FSCT-TMW-35 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317914	EPA 8270E	Pentachlorophenol	0.52	U	ug/L	P412199	
		Phenol	0.052	U	ug/L	P412199	
		2,3,4,6-Tetrachlorophenol	0.10	U	ug/L	P412199	
		2,4,5-Trichlorophenol	0.052	U	ug/L	P412199	
		2,4,6-Trichlorophenol	0.052	U	ug/L	P412199	
		1-Methylnaphthalene	0.10	U	ug/L	P412199	
2317918	FL-PRO 2018	TRPH	0.46	UY	mg/L	P412337	
2317934	EPA 8260D	Benzene	0.20	U	ug/L	P412273	
		Bromodichloromethane	0.20	U	ug/L	P412273	
		Bromoform	0.50	U	ug/L	P412273	
		Bromomethane	0.50	U	ug/L	P412273	
		2-Butanone	3.0	U	ug/L	P412273	
		Carbon tetrachloride	0.20	U	ug/L	P412273	
		Chlorobenzene	0.20	U	ug/L	P412273	
		Chloroethane	0.50	U	ug/L	P412273	
		Chloroform	0.20	U	ug/L	P412273	
		Chloromethane	0.50	U	ug/L	P412273	
		Dibromochloromethane	0.20	U	ug/L	P412273	
		1,2-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,3-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,4-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,1-Dichloroethane	0.20	U	ug/L	P412273	
		1,2-Dichloroethane	0.20	U	ug/L	P412273	
		1,1-Dichloroethene	0.20	U	ug/L	P412273	
		cis-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		trans-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		1,2-Dichloropropane	0.20	U	ug/L	P412273	
		cis-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		trans-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		Ethylbenzene	0.20	U	ug/L	P412273	
		Methyl-t-butyl ether	0.20	U	ug/L	P412273	
		Methylene chloride	1.0	U	ug/L	P412273	
		1,1,2,2-Tetrachloroethane	0.20	UJ	ug/L	P412273	CCV
		Tetrachloroethene	0.20	U	ug/L	P412273	
		Toluene	0.50	U	ug/L	P412273	
		1,1,1-Trichloroethane	0.20	U	ug/L	P412273	
		1,1,2-Trichloroethane	0.20	U	ug/L	P412273	
		Trichloroethene	0.20	U	ug/L	P412273	
		Trichlorofluoromethane	0.20	U	ug/L	P412273	
		Vinyl chloride	0.20	U	ug/L	P412273	
		o-Xylene	0.50	U	ug/L	P412273	
		m,p-Xylene	0.50	U	ug/L	P412273	

Ref. Method and Comment:
EPA 8270E: Insufficient sample available to perform matrix spikes.
FL-PRO 2018: Insufficient sample available to perform matrix spikes. Y - Due to improper preservation; see NCR report.
EPA 8260D: Insufficient sample was available to perform duplicate matrix spikes. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 09:46**

Field ID: FSCT-TMW-45R Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317924	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	12		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	350		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	430		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	190		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	600		ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	100		ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	300		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	1.6E+03		ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	1.5E+03		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	16		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	13		ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	33		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	6.9		ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.3E+03		ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	3.9	I	ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: FSCT-TMW-45R Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317924	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 10:28**

Field ID: FSCT-TMW-75R Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317925	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	2.5		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	99		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	120		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	66		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	150		ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	140		ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	140		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	1.3E+03		ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	280		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	3.2		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	5.1		ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	5.9		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.7	I	ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: FSCT-TMW-75R Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317925	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 15:23**

Field ID: FSCT-TMW-85 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317926	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	77		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	780		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	13	I	ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	1.1E+03		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	530		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	1.3E+03		ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	170		ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	490		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	1.4E+03		ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	3.0E+03		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	3.5	I	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	78		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	19		ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.61	I	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	140		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	200		ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.4	I	ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	4.7	I	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	3.0E+03		ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	98		ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: FSCT-TMW-85 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317926	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	33		ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 11:39**

Field ID: FSCT-TMW-95 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317927	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	130		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	24		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	4.9	I	ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	150		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	13		ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	2.9	I	ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	23		ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	38		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	57		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.91	I	ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	7.8		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: FSCT-TMW-95 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317927	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	94		ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 14:39**

Field ID: FSCT-TMW-105 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317928	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	24		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	120		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	120		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	300		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	190		ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	18		ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	90		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	82		ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	380		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	20		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	3.1	I	ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	7.9		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	87		ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: FSCT-TMW-105 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317928	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	9.4	I	ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 04/08/2022 09:08**

Field ID: FSCT-TMW-115 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317929	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	120		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	780		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	230		ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	5.4	I	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	1.4E+03		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	3.3E+03		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	1.8E+03		ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	310		ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	1.1E+03		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	1.2E+04		ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	3.4E+03		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.7	I	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	340		ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	210		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	120		ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	36		ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	18		ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.69	I	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	480		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.5E+04		ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	420		ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	20		ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.3E+04		ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.5E+03		ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	10		ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: FSCT-TMW-115 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317929	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	49		ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 04/08/2022 09:08**

Field ID: FSCT-TMW-115 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317915	EPA 8270E	Acenaphthene	0.027	U	ug/L	P412199	
		Acenaphthylene	0.027	U	ug/L	P412199	
		Acetophenone	0.21	U	ug/L	P412199	
		2-Acetylaminofluorene	1.1	U	ug/L	P412199	
		4-Aminobiphenyl	4.3	U	ug/L	P412199	
		Aniline	1.1	U	ug/L	P412199	
		Anthracene	0.053	U	ug/L	P412199	
		Azobenzene/1,2-Diphenylhydrazine**	0.053	U	ug/L	P412199	
		Benzidine	11	U	ug/L	P412199	
		Benzo(a)anthracene	0.027	U	ug/L	P412199	
		Benzo(a)pyrene	0.027	U	ug/L	P412199	
		Benzo(b)fluoranthene	0.027	U	ug/L	P412199	
		Benzo(k)fluoranthene	0.027	U	ug/L	P412199	
		Benzo(g,h,i)perylene	0.027	U	ug/L	P412199	
		Benzyl alcohol	0.21	U	ug/L	P412199	
		Bis(2-chloroethoxy)methane	0.053	U	ug/L	P412199	
		Bis(2-chloroethyl)ether	0.053	U	ug/L	P412199	
		Bis(2-chloroisopropyl)ether	0.053	U	ug/L	P412199	
		Bis(2-ethylhexyl)phthalate	5.3	U	ug/L	P412199	
		Butyl benzyl phthalate	1.1	U	ug/L	P412199	
		4-Bromophenyl phenyl ether	0.053	U	ug/L	P412199	
		2-Chloronaphthalene	0.053	U	ug/L	P412199	
		4-Chlorophenyl phenyl ether	0.053	U	ug/L	P412199	
		Carbazole	0.053	U	ug/L	P412199	
		Chrysene	0.027	U	ug/L	P412199	
		m,p-Cresols	0.053	U	ug/L	P412199	
		o-Cresol	0.053	U	ug/L	P412199	
		Di-n-butyl phthalate	2.1	U	ug/L	P412199	
		Di-n-octyl phthalate	0.053	U	ug/L	P412199	
		Dibenzo(a,h)anthracene	0.027	U	ug/L	P412199	
		Dibenzofuran	0.053	U	ug/L	P412199	
		3,3'-Dichlorobenzidine	11	U	ug/L	P412199	
		Diethyl phthalate	2.1	U	ug/L	P412199	
		Dimethyl phthalate	0.21	U	ug/L	P412199	
		Dimethylaminoazobenzene	0.053	U	ug/L	P412199	
		7,12-Dimethylbenz(a)anthracene	0.11	U	ug/L	P412199	
		1,3-Dinitrobenzene	0.21	U	ug/L	P412199	
		2,4-Dinitrotoluene	0.053	U	ug/L	P412199	
		2,6-Dinitrotoluene	0.053	U	ug/L	P412199	
		Dinoseb**	4.3	U	ug/L	P412199	
		Ethyl methanesulfonate	1.1	U	ug/L	P412199	
		Fluoranthene	0.053	U	ug/L	P412199	
		Fluorene	0.027	U	ug/L	P412199	
		Hexachlorobenzene	0.053	U	ug/L	P412199	

Field ID: FSCT-TMW-115 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317915	EPA 8270E	Hexachlorobutadiene	0.053	U	ug/L	P412199	
		Hexachlorocyclopentadiene	0.053	U	ug/L	P412199	
		Hexachloroethane	0.053	U	ug/L	P412199	
		Hexachloropropene	0.053	U	ug/L	P412199	
		Indeno(1,2,3-cd)pyrene	0.027	U	ug/L	P412199	
		Isophorone	0.053	U	ug/L	P412199	
		Isosafrole	0.053	U	ug/L	P412199	
		3-Methylcholanthrene	0.11	U	ug/L	P412199	
		2-Methylnaphthalene	0.11	U	ug/L	P412199	
		Naphthalene	0.11	U	ug/L	P412199	
		1-Naphthylamine	11	U	ug/L	P412199	
		2-Naphthylamine	11	U	ug/L	P412199	
		2-Nitroaniline	0.053	U	ug/L	P412199	
		Nitrobenzene	0.053	U	ug/L	P412199	
		5-Nitro-o-toluidine	0.11	U	ug/L	P412199	
		N-Nitrosodi-n-butylamine	0.053	U	ug/L	P412199	
		N-Nitrosodiethylamine	1.1	U	ug/L	P412199	
		N-Nitrosodimethylamine	2.1	U	ug/L	P412199	
		N-Nitrosodi-n-propylamine	0.053	U	ug/L	P412199	
		N-Nitrosomethylethylamine	2.1	U	ug/L	P412199	
		N-Nitrosomorpholine	0.053	U	ug/L	P412199	
		N-Nitrosopiperidine	0.053	U	ug/L	P412199	
		N-Nitrosopyrrolidine	0.11	U	ug/L	P412199	
		Pentachlorobenzene	0.053	U	ug/L	P412199	
		Pentachloroethane**	0.053	U	ug/L	P412199	
		Pentachloronitrobenzene	0.053	U	ug/L	P412199	
		Phenacetin	1.1	U	ug/L	P412199	
		Phenanthrene	0.11	U	ug/L	P412199	
		2-Picoline	1.1	U	ug/L	P412199	
		Pyrene	0.11	U	ug/L	P412199	
		Pyridine	4.3	U	ug/L	P412199	
		Safrole	0.053	U	ug/L	P412199	
		1,2,4,5-Tetrachlorobenzene	0.053	U	ug/L	P412199	
		o-Toluidine	0.11	U	ug/L	P412199	
		1,2,4-Trichlorobenzene	0.053	U	ug/L	P412199	
		1,3,5-Trinitrobenzene	0.21	U	ug/L	P412199	
		4-Chloro-3-methylphenol	0.053	U	ug/L	P412199	
		2-Chlorophenol	0.053	U	ug/L	P412199	
		2,4-Dichlorophenol	0.053	U	ug/L	P412199	
		2,6-Dichlorophenol	0.053	U	ug/L	P412199	
		2,4-Dimethylphenol	0.053	U	ug/L	P412199	
		2,4-Dinitrophenol	11	U	ug/L	P412199	
		2-Methyl-4,6-dinitrophenol	3.2	U	ug/L	P412199	
		2-Nitrophenol	0.053	U	ug/L	P412199	
		4-Nitrophenol	11	U	ug/L	P412199	

Field ID: FSCT-TMW-115 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317915	EPA 8270E	Pentachlorophenol	0.53	U	ug/L	P412199	
		Phenol	0.053	U	ug/L	P412199	
		2,3,4,6-Tetrachlorophenol	0.11	U	ug/L	P412199	
		2,4,5-Trichlorophenol	0.053	U	ug/L	P412199	
		2,4,6-Trichlorophenol	0.053	U	ug/L	P412199	
		1-Methylnaphthalene	0.11	U	ug/L	P412199	
2317919	FL-PRO 2018	TRPH	0.47	UY	mg/L	P412337	
2317935	EPA 8260D	Benzene	0.20	U	ug/L	P412273	
		Bromodichloromethane	0.20	U	ug/L	P412273	
		Bromoform	0.50	U	ug/L	P412273	
		Bromomethane	0.50	U	ug/L	P412273	
		2-Butanone	3.0	U	ug/L	P412273	
		Carbon tetrachloride	0.20	U	ug/L	P412273	
		Chlorobenzene	0.20	U	ug/L	P412273	
		Chloroethane	0.50	U	ug/L	P412273	
		Chloroform	0.20	U	ug/L	P412273	
		Chloromethane	0.50	U	ug/L	P412273	
		Dibromochloromethane	0.20	U	ug/L	P412273	
		1,2-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,3-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,4-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,1-Dichloroethane	0.20	U	ug/L	P412273	
		1,2-Dichloroethane	0.20	U	ug/L	P412273	
		1,1-Dichloroethene	0.20	U	ug/L	P412273	
		cis-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		trans-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		1,2-Dichloropropane	0.20	U	ug/L	P412273	
		cis-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		trans-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		Ethylbenzene	0.20	U	ug/L	P412273	
		Methyl-t-butyl ether	0.20	U	ug/L	P412273	
		Methylene chloride	1.0	U	ug/L	P412273	
		1,1,2,2-Tetrachloroethane	0.20	UJ	ug/L	P412273	CCV
		Tetrachloroethene	0.20	U	ug/L	P412273	
		Toluene	0.50	U	ug/L	P412273	
		1,1,1-Trichloroethane	0.20	U	ug/L	P412273	
		1,1,2-Trichloroethane	0.20	U	ug/L	P412273	
		Trichloroethene	0.20	U	ug/L	P412273	
		Trichlorofluoromethane	0.20	U	ug/L	P412273	
		Vinyl chloride	0.20	U	ug/L	P412273	
		o-Xylene	0.50	U	ug/L	P412273	
		m,p-Xylene	0.50	U	ug/L	P412273	

Ref. Method and Comment:
EPA 8270E: Insufficient sample available to perform matrix spikes.
FL-PRO 2018: Insufficient sample available to perform matrix spikes. Y - Due to improper preservation; see NCR report.
EPA 8260D: Insufficient sample was available to perform duplicate matrix spikes. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/08/2022 09:42**

Field ID: FSCT-TMW-125 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317930	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	95		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	230		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	71		ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	29		ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	580		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	2.1E+03		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	630		ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	180		ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	350		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	3.5E+03		ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	1.2E+03		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	110		ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	180		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	55		ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	17		ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	7.9		ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	280		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	3.8E+03		ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	110		ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	6.0	I	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	3.2E+03		ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	820		ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	2.2	I	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: FSCT-TMW-125 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317930	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	39		ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 04/08/2022 09:42**

Field ID: FSCT-TMW-125 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317916	EPA 8270E	Acenaphthene	0.026	U	ug/L	P412199	
		Acenaphthylene	0.026	U	ug/L	P412199	
		Acetophenone	0.21	U	ug/L	P412199	
		2-Acetylaminofluorene	1.0	U	ug/L	P412199	
		4-Aminobiphenyl	4.2	U	ug/L	P412199	
		Aniline	1.0	U	ug/L	P412199	
		Anthracene	0.052	U	ug/L	P412199	
		Azobenzene/1,2-Diphenylhydrazine**	0.052	U	ug/L	P412199	
		Benzidine	10	U	ug/L	P412199	
		Benzo(a)anthracene	0.026	U	ug/L	P412199	
		Benzo(a)pyrene	0.026	U	ug/L	P412199	
		Benzo(b)fluoranthene	0.026	U	ug/L	P412199	
		Benzo(k)fluoranthene	0.026	U	ug/L	P412199	
		Benzo(g,h,i)perylene	0.026	U	ug/L	P412199	
		Benzyl alcohol	0.21	U	ug/L	P412199	
		Bis(2-chloroethoxy)methane	0.052	U	ug/L	P412199	
		Bis(2-chloroethyl)ether	0.052	U	ug/L	P412199	
		Bis(2-chloroisopropyl)ether	0.052	U	ug/L	P412199	
		Bis(2-ethylhexyl)phthalate	5.2	U	ug/L	P412199	
		Butyl benzyl phthalate	1.0	U	ug/L	P412199	
		4-Bromophenyl phenyl ether	0.052	U	ug/L	P412199	
		2-Chloronaphthalene	0.052	U	ug/L	P412199	
		4-Chlorophenyl phenyl ether	0.052	U	ug/L	P412199	
		Carbazole	0.052	U	ug/L	P412199	
		Chrysene	0.026	U	ug/L	P412199	
		m,p-Cresols	0.052	U	ug/L	P412199	
		o-Cresol	0.052	U	ug/L	P412199	
		Di-n-butyl phthalate	2.1	U	ug/L	P412199	
		Di-n-octyl phthalate	0.052	U	ug/L	P412199	
		Dibenzo(a,h)anthracene	0.026	U	ug/L	P412199	
		Dibenzofuran	0.052	U	ug/L	P412199	
		3,3'-Dichlorobenzidine	10	U	ug/L	P412199	
		Diethyl phthalate	2.1	U	ug/L	P412199	
		Dimethyl phthalate	0.21	U	ug/L	P412199	
		Dimethylaminoazobenzene	0.052	U	ug/L	P412199	
		7,12-Dimethylbenz(a)anthracene	0.10	U	ug/L	P412199	
		1,3-Dinitrobenzene	0.21	U	ug/L	P412199	
		2,4-Dinitrotoluene	0.052	U	ug/L	P412199	
		2,6-Dinitrotoluene	0.052	U	ug/L	P412199	
		Dinoseb**	4.2	U	ug/L	P412199	
		Ethyl methanesulfonate	1.0	U	ug/L	P412199	
		Fluoranthene	0.052	U	ug/L	P412199	
		Fluorene	0.026	U	ug/L	P412199	
		Hexachlorobenzene	0.052	U	ug/L	P412199	

Field ID: FSCT-TMW-125 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317916	EPA 8270E	Hexachlorobutadiene	0.052	U	ug/L	P412199	
		Hexachlorocyclopentadiene	0.052	U	ug/L	P412199	
		Hexachloroethane	0.052	U	ug/L	P412199	
		Hexachloropropene	0.052	U	ug/L	P412199	
		Indeno(1,2,3-cd)pyrene	0.026	U	ug/L	P412199	
		Isophorone	0.052	U	ug/L	P412199	
		Isosafrole	0.052	U	ug/L	P412199	
		3-Methylcholanthrene	0.10	U	ug/L	P412199	
		2-Methylnaphthalene	0.10	U	ug/L	P412199	
		Naphthalene	0.10	U	ug/L	P412199	
		1-Naphthylamine	10	U	ug/L	P412199	
		2-Naphthylamine	10	U	ug/L	P412199	
		2-Nitroaniline	0.052	U	ug/L	P412199	
		Nitrobenzene	0.052	U	ug/L	P412199	
		5-Nitro-o-toluidine	0.10	U	ug/L	P412199	
		N-Nitrosodi-n-butylamine	0.052	U	ug/L	P412199	
		N-Nitrosodiethylamine	1.0	U	ug/L	P412199	
		N-Nitrosodimethylamine	2.1	U	ug/L	P412199	
		N-Nitrosodi-n-propylamine	0.052	U	ug/L	P412199	
		N-Nitrosomethylethylamine	2.1	U	ug/L	P412199	
		N-Nitrosomorpholine	0.052	U	ug/L	P412199	
		N-Nitrosopiperidine	0.052	U	ug/L	P412199	
		N-Nitrosopyrrolidine	0.10	U	ug/L	P412199	
		Pentachlorobenzene	0.052	U	ug/L	P412199	
		Pentachloroethane**	0.052	U	ug/L	P412199	
		Pentachloronitrobenzene	0.052	U	ug/L	P412199	
		Phenacetin	1.0	U	ug/L	P412199	
		Phenanthrene	0.10	U	ug/L	P412199	
		2-Picoline	1.0	U	ug/L	P412199	
		Pyrene	0.10	U	ug/L	P412199	
		Pyridine	4.2	U	ug/L	P412199	
		Safrole	0.052	U	ug/L	P412199	
		1,2,4,5-Tetrachlorobenzene	0.052	U	ug/L	P412199	
		o-Toluidine	0.10	U	ug/L	P412199	
		1,2,4-Trichlorobenzene	0.052	U	ug/L	P412199	
		1,3,5-Trinitrobenzene	0.21	U	ug/L	P412199	
		4-Chloro-3-methylphenol	0.052	U	ug/L	P412199	
		2-Chlorophenol	0.052	U	ug/L	P412199	
		2,4-Dichlorophenol	0.052	U	ug/L	P412199	
		2,6-Dichlorophenol	0.052	U	ug/L	P412199	
		2,4-Dimethylphenol	0.052	U	ug/L	P412199	
		2,4-Dinitrophenol	10	U	ug/L	P412199	
		2-Methyl-4,6-dinitrophenol	3.1	U	ug/L	P412199	
		2-Nitrophenol	0.052	U	ug/L	P412199	
		4-Nitrophenol	10	U	ug/L	P412199	

Field ID: FSCT-TMW-125 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317916	EPA 8270E	Pentachlorophenol	0.52	U	ug/L	P412199	
		Phenol	0.052	U	ug/L	P412199	
		2,3,4,6-Tetrachlorophenol	0.10	U	ug/L	P412199	
		2,4,5-Trichlorophenol	0.052	U	ug/L	P412199	
		2,4,6-Trichlorophenol	0.052	U	ug/L	P412199	
		1-Methylnaphthalene	0.10	U	ug/L	P412199	
2317920	FL-PRO 2018	TRPH	0.46	UY	mg/L	P412337	
2317936	EPA 8260D	Benzene	0.20	U	ug/L	P412273	
		Bromodichloromethane	0.20	U	ug/L	P412273	
		Bromoform	0.50	U	ug/L	P412273	
		Bromomethane	0.50	U	ug/L	P412273	
		2-Butanone	3.0	U	ug/L	P412273	
		Carbon tetrachloride	0.20	U	ug/L	P412273	
		Chlorobenzene	0.20	U	ug/L	P412273	
		Chloroethane	0.50	U	ug/L	P412273	
		Chloroform	0.20	U	ug/L	P412273	
		Chloromethane	0.50	U	ug/L	P412273	
		Dibromochloromethane	0.20	U	ug/L	P412273	
		1,2-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,3-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,4-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,1-Dichloroethane	0.20	U	ug/L	P412273	
		1,2-Dichloroethane	0.20	U	ug/L	P412273	
		1,1-Dichloroethene	0.20	U	ug/L	P412273	
		cis-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		trans-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		1,2-Dichloropropane	0.20	U	ug/L	P412273	
		cis-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		trans-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		Ethylbenzene	0.20	U	ug/L	P412273	
		Methyl-t-butyl ether	0.20	U	ug/L	P412273	
		Methylene chloride	1.0	U	ug/L	P412273	
		1,1,2,2-Tetrachloroethane	0.20	UJ	ug/L	P412273	CCV
		Tetrachloroethene	0.20	U	ug/L	P412273	
		Toluene	0.50	U	ug/L	P412273	
		1,1,1-Trichloroethane	0.20	U	ug/L	P412273	
		1,1,2-Trichloroethane	0.20	U	ug/L	P412273	
		Trichloroethene	0.20	U	ug/L	P412273	
		Trichlorofluoromethane	0.20	U	ug/L	P412273	
		Vinyl chloride	0.20	U	ug/L	P412273	
		o-Xylene	0.50	U	ug/L	P412273	
		m,p-Xylene	0.50	U	ug/L	P412273	

Ref. Method and Comment:
EPA 8270E: Insufficient sample available to perform matrix spikes.
FL-PRO 2018: Insufficient sample available to perform matrix spikes. Y - Due to improper preservation; see NCR report.
EPA 8260D: Insufficient sample was available to perform duplicate matrix spikes. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 16:01**

Field ID: FSCT-TMW-135 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317931	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	710		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	240		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	29		ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	530		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	4.2E+03		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	630	I	ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	150		ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	270		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	610		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	4.1	I	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	800		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	93		ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	140		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	250		ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.7		ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	84		ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	8.6		ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: FSCT-TMW-135 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317931	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	280		ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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. The MDL for PFHxA is elevated due to required dilution of sample matrix.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 08:50**

Field ID: FSCT-TMW-155 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317932	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	1.1	I	ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	51		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	4.6	I	ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	88		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	14		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	57		ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	6.5	I	ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	57		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	70		ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	130		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	0.96	I	ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	2.1	I	ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	6.5		ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.1	I	ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	UJ	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: FSCT-TMW-155 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317932	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 04/08/2022 10:13**

Field ID: FSCJ-TMW-165 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317963	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	99		ng/L	P412152	
		Perfluorobutanoic acid (PFBA)**	560		ng/L	P412152	
		Perfluorodecanoic acid (PFDA)**	230		ng/L	P412152	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412152	
		Perfluoroheptanoic acid (PFHpA)**	2.7E+03		ng/L	P412152	
		Perfluorohexanesulfonic acid (PFHxS)**	2.1E+03		ng/L	P412152	
		Perfluorohexanoic acid (PFHxA)**	1.6E+03		ng/L	P412152	
		Perfluorononanoic acid (PFNA)**	1.1E+03		ng/L	P412152	
		Perfluorooctanoic acid (PFOA)**	1.5E+03		ng/L	P412152	
		Perfluorooctanesulfonic acid (PFOS)**	1.0E+04		ng/L	P412152	
		Perfluoropentanoic acid (PFPeA)**	1.8E+03		ng/L	P412152	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412152	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412152	
		Perfluoroundecanoic acid (PFUnA)**	20		ng/L	P412152	
		Perfluoropentanesulfonic acid (PFPeS)**	130		ng/L	P412152	
		Perfluoroheptanesulfonic acid (PFHpS)**	110		ng/L	P412152	
		Perfluorononanesulfonic acid (PFNS)**	14		ng/L	P412152	
		Perfluorodecanesulfonic acid (PFDS)**	1.0	I	ng/L	P412152	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.80	U	ng/L	P412152	
		Perfluoro-1-butane sulfonamide (FBSA)**	160		ng/L	P412152	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	800		ng/L	P412152	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.91	I	ng/L	P412152	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	4.0	U	ng/L	P412152	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	4.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.1E+03		ng/L	P412152	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	45		ng/L	P412152	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412152	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412152	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412152	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	UJ	ng/L	P412152	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412152	

Field ID: FSCJ-TMW-165 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317963	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	29		ng/L	P412152	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412152	

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. MDL for some parameters elevated due to matrix interference. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/08/2022 10:36**

Field ID: FSCJ-TMW-175 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317964	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	99		ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	420		ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	340		ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	1.6E+03		ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	2.2E+03		ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	950		ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	370		ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	720		ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	6.9E+03		ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	1.2E+03		ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	240		ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	130		ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	59		ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	20		ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.53	I	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	100		ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	480		ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	2.8		ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	180		ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	34		ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: FSCJ-TMW-175 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317964	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	27		ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/08/2022 10:36**

Field ID: FSCJ-TMW-175 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317953	EPA 8270E	Acenaphthene	0.027	U	ug/L	P412199	
		Acenaphthylene	0.027	U	ug/L	P412199	
		Acetophenone	0.22	U	ug/L	P412199	
		2-Acetylaminofluorene	1.1	U	ug/L	P412199	
		4-Aminobiphenyl	4.3	U	ug/L	P412199	
		Aniline	1.1	U	ug/L	P412199	
		Anthracene	0.054	U	ug/L	P412199	
		Azobenzene/1,2-Diphenylhydrazine**	0.054	U	ug/L	P412199	
		Benzidine	11	U	ug/L	P412199	
		Benzo(a)anthracene	0.027	U	ug/L	P412199	
		Benzo(a)pyrene	0.027	U	ug/L	P412199	
		Benzo(b)fluoranthene	0.027	U	ug/L	P412199	
		Benzo(k)fluoranthene	0.027	U	ug/L	P412199	
		Benzo(g,h,i)perylene	0.027	U	ug/L	P412199	
		Benzyl alcohol	0.22	U	ug/L	P412199	
		Bis(2-chloroethoxy)methane	0.054	U	ug/L	P412199	
		Bis(2-chloroethyl)ether	0.054	U	ug/L	P412199	
		Bis(2-chloroisopropyl)ether	0.054	U	ug/L	P412199	
		Bis(2-ethylhexyl)phthalate	5.4	U	ug/L	P412199	
		Butyl benzyl phthalate	1.1	U	ug/L	P412199	
		4-Bromophenyl phenyl ether	0.054	U	ug/L	P412199	
		2-Chloronaphthalene	0.054	U	ug/L	P412199	
		4-Chlorophenyl phenyl ether	0.054	U	ug/L	P412199	
		Carbazole	0.054	U	ug/L	P412199	
		Chrysene	0.027	U	ug/L	P412199	
		m,p-Cresols	0.054	U	ug/L	P412199	
		o-Cresol	0.054	U	ug/L	P412199	
		Di-n-butyl phthalate	2.2	U	ug/L	P412199	
		Di-n-octyl phthalate	0.054	U	ug/L	P412199	
		Dibenzo(a,h)anthracene	0.027	U	ug/L	P412199	
		Dibenzofuran	0.054	U	ug/L	P412199	
		3,3'-Dichlorobenzidine	11	U	ug/L	P412199	
		Diethyl phthalate	2.2	U	ug/L	P412199	
		Dimethyl phthalate	0.22	U	ug/L	P412199	
		Dimethylaminoazobenzene	0.054	U	ug/L	P412199	
		7,12-Dimethylbenz(a)anthracene	0.11	U	ug/L	P412199	
		1,3-Dinitrobenzene	0.22	U	ug/L	P412199	
		2,4-Dinitrotoluene	0.054	U	ug/L	P412199	
		2,6-Dinitrotoluene	0.054	U	ug/L	P412199	
		Dinoseb**	4.3	U	ug/L	P412199	
		Ethyl methanesulfonate	1.1	U	ug/L	P412199	
		Fluoranthene	0.054	U	ug/L	P412199	
		Fluorene	0.027	U	ug/L	P412199	
		Hexachlorobenzene	0.054	U	ug/L	P412199	

Field ID: FSCJ-TMW-175 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317953	EPA 8270E	Hexachlorobutadiene	0.054	U	ug/L	P412199	
		Hexachlorocyclopentadiene	0.054	U	ug/L	P412199	
		Hexachloroethane	0.054	U	ug/L	P412199	
		Hexachloropropene	0.054	U	ug/L	P412199	
		Indeno(1,2,3-cd)pyrene	0.027	U	ug/L	P412199	
		Isophorone	0.054	U	ug/L	P412199	
		Isosafrole	0.054	U	ug/L	P412199	
		3-Methylcholanthrene	0.11	U	ug/L	P412199	
		2-Methylnaphthalene	0.11	U	ug/L	P412199	
		Naphthalene	0.11	U	ug/L	P412199	
		1-Naphthylamine	11	U	ug/L	P412199	
		2-Naphthylamine	11	U	ug/L	P412199	
		2-Nitroaniline	0.054	U	ug/L	P412199	
		Nitrobenzene	0.054	U	ug/L	P412199	
		5-Nitro-o-toluidine	0.11	U	ug/L	P412199	
		N-Nitrosodi-n-butylamine	0.054	U	ug/L	P412199	
		N-Nitrosodiethylamine	1.1	U	ug/L	P412199	
		N-Nitrosodimethylamine	2.2	U	ug/L	P412199	
		N-Nitrosodi-n-propylamine	0.054	U	ug/L	P412199	
		N-Nitrosomethylethylamine	2.2	U	ug/L	P412199	
		N-Nitrosomorpholine	0.054	U	ug/L	P412199	
		N-Nitrosopiperidine	0.054	U	ug/L	P412199	
		N-Nitrosopyrrolidine	0.11	U	ug/L	P412199	
		Pentachlorobenzene	0.054	U	ug/L	P412199	
		Pentachloroethane**	0.054	U	ug/L	P412199	
		Pentachloronitrobenzene	0.054	U	ug/L	P412199	
		Phenacetin	1.1	U	ug/L	P412199	
		Phenanthrene	0.11	U	ug/L	P412199	
		2-Picoline	1.1	U	ug/L	P412199	
		Pyrene	0.11	U	ug/L	P412199	
		Pyridine	4.3	U	ug/L	P412199	
		Safrole	0.054	U	ug/L	P412199	
		1,2,4,5-Tetrachlorobenzene	0.054	U	ug/L	P412199	
		o-Toluidine	0.11	U	ug/L	P412199	
		1,2,4-Trichlorobenzene	0.054	U	ug/L	P412199	
		1,3,5-Trinitrobenzene	0.22	U	ug/L	P412199	
		4-Chloro-3-methylphenol	0.054	U	ug/L	P412199	
		2-Chlorophenol	0.054	U	ug/L	P412199	
		2,4-Dichlorophenol	0.054	U	ug/L	P412199	
		2,6-Dichlorophenol	0.054	U	ug/L	P412199	
		2,4-Dimethylphenol	0.054	U	ug/L	P412199	
		2,4-Dinitrophenol	11	U	ug/L	P412199	
		2-Methyl-4,6-dinitrophenol	3.3	U	ug/L	P412199	
		2-Nitrophenol	0.054	U	ug/L	P412199	
		4-Nitrophenol	11	U	ug/L	P412199	

Field ID: FSCJ-TMW-175 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317953	EPA 8270E	Pentachlorophenol	0.54	U	ug/L	P412199	
		Phenol	0.054	U	ug/L	P412199	
		2,3,4,6-Tetrachlorophenol	0.11	U	ug/L	P412199	
		2,4,5-Trichlorophenol	0.054	U	ug/L	P412199	
		2,4,6-Trichlorophenol	0.054	U	ug/L	P412199	
		1-Methylnaphthalene	0.11	U	ug/L	P412199	
2317958	FL-PRO 2018	TRPH	0.50	UY	mg/L	P412337	
2317975	EPA 8260D	Benzene	0.20	U	ug/L	P412273	
		Bromodichloromethane	0.20	U	ug/L	P412273	
		Bromoform	0.50	U	ug/L	P412273	
		Bromomethane	0.50	U	ug/L	P412273	
		2-Butanone	3.0	U	ug/L	P412273	
		Carbon tetrachloride	0.20	U	ug/L	P412273	
		Chlorobenzene	0.20	U	ug/L	P412273	
		Chloroethane	0.50	U	ug/L	P412273	
		Chloroform	0.20	U	ug/L	P412273	
		Chloromethane	0.50	U	ug/L	P412273	
		Dibromochloromethane	0.20	U	ug/L	P412273	
		1,2-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,3-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,4-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,1-Dichloroethane	0.20	U	ug/L	P412273	
		1,2-Dichloroethane	0.20	U	ug/L	P412273	
		1,1-Dichloroethene	0.20	U	ug/L	P412273	
		cis-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		trans-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		1,2-Dichloropropane	0.20	U	ug/L	P412273	
		cis-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		trans-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		Ethylbenzene	0.20	U	ug/L	P412273	
		Methyl-t-butyl ether	0.20	U	ug/L	P412273	
		Methylene chloride	1.0	U	ug/L	P412273	
		1,1,2,2-Tetrachloroethane	0.20	UJ	ug/L	P412273	CCV
		Tetrachloroethene	0.20	U	ug/L	P412273	
		Toluene	0.50	U	ug/L	P412273	
		1,1,1-Trichloroethane	0.20	U	ug/L	P412273	
		1,1,2-Trichloroethane	0.20	U	ug/L	P412273	
		Trichloroethene	0.20	U	ug/L	P412273	
		Trichlorofluoromethane	0.20	U	ug/L	P412273	
		Vinyl chloride	0.20	U	ug/L	P412273	
		o-Xylene	0.50	U	ug/L	P412273	
		m,p-Xylene	0.50	U	ug/L	P412273	

Ref. Method and Comment:
EPA 8270E: Insufficient sample available to perform matrix spikes.
FL-PRO 2018: Insufficient sample available to perform matrix spikes. Y - Due to improper preservation; see NCR report.
EPA 8260D: Insufficient sample was available to perform duplicate matrix spikes. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/08/2022 11:06**

Field ID: FSCJ-TMW-185 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317965	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	200		ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	55		ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	49		ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	100		ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	3.6E+03		ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	210		ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	430		ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	130		ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	2.4E+03		ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	140		ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.9	I	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	1.8E+03		ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	290		ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	70		ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	27		ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	2.8		ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	96		ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	240		ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	9.6		ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: FSCJ-TMW-185 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317965	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	63	I	ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	
2318015	EPA 8270E	Acenaphthene	0.027	U	ug/L	P412199	
		Acenaphthylene	0.027	U	ug/L	P412199	
		Acetophenone	0.21	U	ug/L	P412199	
		2-Acetylaminofluorene	1.1	U	ug/L	P412199	
		4-Aminobiphenyl	4.3	U	ug/L	P412199	
		Aniline	1.1	U	ug/L	P412199	
		Anthracene	0.053	U	ug/L	P412199	
		Azobenzene/1,2-Diphenylhydrazine**	0.053	U	ug/L	P412199	
		Benzidine	11	U	ug/L	P412199	
		Benzo(a)anthracene	0.027	U	ug/L	P412199	
		Benzo(a)pyrene	0.027	U	ug/L	P412199	
		Benzo(b)fluoranthene	0.027	U	ug/L	P412199	
		Benzo(k)fluoranthene	0.027	U	ug/L	P412199	
		Benzo(g,h,i)perylene	0.027	U	ug/L	P412199	
		Benzyl alcohol	0.21	U	ug/L	P412199	
		Bis(2-chloroethoxy)methane	0.053	U	ug/L	P412199	
		Bis(2-chloroethyl)ether	0.053	U	ug/L	P412199	
		Bis(2-chloroisopropyl)ether	0.053	U	ug/L	P412199	
		Bis(2-ethylhexyl)phthalate	5.3	U	ug/L	P412199	
		Butyl benzyl phthalate	1.1	U	ug/L	P412199	
		4-Bromophenyl phenyl ether	0.053	U	ug/L	P412199	
		2-Chloronaphthalene	0.053	U	ug/L	P412199	
		4-Chlorophenyl phenyl ether	0.053	U	ug/L	P412199	
		Carbazole	0.053	U	ug/L	P412199	
		Chrysene	0.027	U	ug/L	P412199	
		m,p-Cresols	0.053	U	ug/L	P412199	
		o-Cresol	0.053	U	ug/L	P412199	
		Di-n-butyl phthalate	2.1	U	ug/L	P412199	
		Di-n-octyl phthalate	0.053	U	ug/L	P412199	
		Dibenzo(a,h)anthracene	0.027	U	ug/L	P412199	
		Dibenzofuran	0.053	U	ug/L	P412199	
		3,3'-Dichlorobenzidine	11	U	ug/L	P412199	
		Diethyl phthalate	2.1	U	ug/L	P412199	
		Dimethyl phthalate	0.21	U	ug/L	P412199	
		Dimethylaminoazobenzene	0.053	U	ug/L	P412199	
		7,12-Dimethylbenz(a)anthracene	0.11	U	ug/L	P412199	
		1,3-Dinitrobenzene	0.21	U	ug/L	P412199	
		2,4-Dinitrotoluene	0.053	U	ug/L	P412199	
		2,6-Dinitrotoluene	0.053	U	ug/L	P412199	
		Dinoseb**	4.3	U	ug/L	P412199	
		Ethyl methanesulfonate	1.1	U	ug/L	P412199	
		Fluoranthene	0.053	U	ug/L	P412199	

Field ID: FSCJ-TMW-185 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2318015	EPA 8270E	Fluorene	0.027	U	ug/L	P412199	
		Hexachlorobenzene	0.053	U	ug/L	P412199	
		Hexachlorobutadiene	0.053	U	ug/L	P412199	
		Hexachlorocyclopentadiene	0.053	U	ug/L	P412199	
		Hexachloroethane	0.053	U	ug/L	P412199	
		Hexachloropropene	0.053	U	ug/L	P412199	
		Indeno(1,2,3-cd)pyrene	0.027	U	ug/L	P412199	
		Isophorone	0.053	U	ug/L	P412199	
		Isosafrole	0.053	U	ug/L	P412199	
		3-Methylcholanthrene	0.11	U	ug/L	P412199	
		2-Methylnaphthalene	0.11	U	ug/L	P412199	
		Naphthalene	0.11	U	ug/L	P412199	
		1-Naphthylamine	11	U	ug/L	P412199	
		2-Naphthylamine	11	U	ug/L	P412199	
		2-Nitroaniline	0.053	U	ug/L	P412199	
		Nitrobenzene	0.053	U	ug/L	P412199	
		5-Nitro-o-toluidine	0.11	U	ug/L	P412199	
		N-Nitrosodi-n-butylamine	0.053	U	ug/L	P412199	
		N-Nitrosodiethylamine	1.1	U	ug/L	P412199	
		N-Nitrosodimethylamine	2.1	U	ug/L	P412199	
		N-Nitrosodi-n-propylamine	0.053	U	ug/L	P412199	
		N-Nitrosomethylethylamine	2.1	U	ug/L	P412199	
		N-Nitrosomorpholine	0.053	U	ug/L	P412199	
		N-Nitrosopiperidine	0.053	U	ug/L	P412199	
		N-Nitrosopyrrolidine	0.11	U	ug/L	P412199	
		Pentachlorobenzene	0.053	U	ug/L	P412199	
		Pentachloroethane**	0.053	U	ug/L	P412199	
		Pentachloronitrobenzene	0.053	U	ug/L	P412199	
		Phenacetin	1.1	U	ug/L	P412199	
		Phenanthrene	0.11	U	ug/L	P412199	
		2-Picoline	1.1	U	ug/L	P412199	
		Pyrene	0.11	U	ug/L	P412199	
		Pyridine	4.3	U	ug/L	P412199	
		Safrole	0.053	U	ug/L	P412199	
		1,2,4,5-Tetrachlorobenzene	0.053	U	ug/L	P412199	
		o-Toluidine	0.11	U	ug/L	P412199	
		1,2,4-Trichlorobenzene	0.053	U	ug/L	P412199	
		1,3,5-Trinitrobenzene	0.21	U	ug/L	P412199	
		4-Chloro-3-methylphenol	0.053	U	ug/L	P412199	
		2-Chlorophenol	0.053	U	ug/L	P412199	
		2,4-Dichlorophenol	0.053	U	ug/L	P412199	
		2,6-Dichlorophenol	0.053	U	ug/L	P412199	
		2,4-Dimethylphenol	0.053	U	ug/L	P412199	
		2,4-Dinitrophenol	11	U	ug/L	P412199	
		2-Methyl-4,6-dinitrophenol	3.2	U	ug/L	P412199	

Field ID: FSCJ-TMW-185 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2318015	EPA 8270E	2-Nitrophenol	0.053	U	ug/L	P412199	
		4-Nitrophenol	11	U	ug/L	P412199	
		Pentachlorophenol	0.53	U	ug/L	P412199	
		Phenol	0.053	U	ug/L	P412199	
		2,3,4,6-Tetrachlorophenol	0.11	U	ug/L	P412199	
		2,4,5-Trichlorophenol	0.053	U	ug/L	P412199	
		2,4,6-Trichlorophenol	0.053	U	ug/L	P412199	
		1-Methylnaphthalene	0.11	U	ug/L	P412199	
2318016	FL-PRO 2018	TRPH	0.47	UY	mg/L	P412337	
2318017	EPA 8260D	Benzene	0.20	U	ug/L	P412273	
		Bromodichloromethane	0.20	U	ug/L	P412273	
		Bromoform	0.50	U	ug/L	P412273	
		Bromomethane	0.50	U	ug/L	P412273	
		2-Butanone	3.0	U	ug/L	P412273	
		Carbon tetrachloride	0.20	U	ug/L	P412273	
		Chlorobenzene	0.20	U	ug/L	P412273	
		Chloroethane	0.50	U	ug/L	P412273	
		Chloroform	0.20	U	ug/L	P412273	
		Chloromethane	0.50	U	ug/L	P412273	
		Dibromochloromethane	0.20	U	ug/L	P412273	
		1,2-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,3-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,4-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,1-Dichloroethane	0.20	U	ug/L	P412273	
		1,2-Dichloroethane	0.20	U	ug/L	P412273	
		1,1-Dichloroethene	0.20	U	ug/L	P412273	
		cis-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		trans-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		1,2-Dichloropropane	0.20	U	ug/L	P412273	
		cis-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		trans-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		Ethylbenzene	0.20	U	ug/L	P412273	
		Methyl-t-butyl ether	0.20	U	ug/L	P412273	
		Methylene chloride	1.0	U	ug/L	P412273	
		1,1,2,2-Tetrachloroethane	0.20	UJ	ug/L	P412273	CCV
		Tetrachloroethene	0.20	U	ug/L	P412273	
		Toluene	0.50	U	ug/L	P412273	
		1,1,1-Trichloroethane	0.20	U	ug/L	P412273	
		1,1,2-Trichloroethane	0.20	U	ug/L	P412273	
		Trichloroethene	0.20	U	ug/L	P412273	
		Trichlorofluoromethane	0.20	U	ug/L	P412273	
		Vinyl chloride	0.20	U	ug/L	P412273	
		o-Xylene	0.50	U	ug/L	P412273	
		m,p-Xylene	0.50	U	ug/L	P412273	

Field ID: FSCJ-TMW-185 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample. The MDL for perfluoropropanesulfonic acid (PFPrS) is elevated due to required dilution of sample matrix.
EPA 8270E: Insufficient sample available to perform matrix spikes.
FL-PRO 2018: Insufficient sample available to perform matrix spikes. Y - Due to improper preservation; see NCR report.
EPA 8260D: Insufficient sample was available to perform duplicate matrix spikes. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 14:09**

Field ID: FSCJ-TMW-205 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317966	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	50		ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	150		ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	66		ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	210		ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	200		ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	7.9	I	ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	25		ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	110		ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	370		ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	40		ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.4	I	ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	28	I	ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: FSCJ-TMW-205 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317966	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 15:15**

Field ID: DEPMW-25 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317967	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	5.4		ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	14	I	ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	23		ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	39		ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	19		ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	14		ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	130		ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	21		ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	3.8		ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	2.7	I	ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: DEPMW-25 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317967	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 15:15**

Field ID: DEPMW-25 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317955	EPA 8270E	Acenaphthene	0.027	U	ug/L	P412199	
		Acenaphthylene	0.027	U	ug/L	P412199	
		Acetophenone	0.21	U	ug/L	P412199	
		2-Acetylaminofluorene	1.1	U	ug/L	P412199	
		4-Aminobiphenyl	4.3	U	ug/L	P412199	
		Aniline	1.1	U	ug/L	P412199	
		Anthracene	0.053	U	ug/L	P412199	
		Azobenzene/1,2-Diphenylhydrazine**	0.053	U	ug/L	P412199	
		Benzidine	11	U	ug/L	P412199	
		Benzo(a)anthracene	0.027	U	ug/L	P412199	
		Benzo(a)pyrene	0.027	U	ug/L	P412199	
		Benzo(b)fluoranthene	0.027	U	ug/L	P412199	
		Benzo(k)fluoranthene	0.027	U	ug/L	P412199	
		Benzo(g,h,i)perylene	0.027	U	ug/L	P412199	
		Benzyl alcohol	0.21	U	ug/L	P412199	
		Bis(2-chloroethoxy)methane	0.053	U	ug/L	P412199	
		Bis(2-chloroethyl)ether	0.053	U	ug/L	P412199	
		Bis(2-chloroisopropyl)ether	0.053	U	ug/L	P412199	
		Bis(2-ethylhexyl)phthalate	5.3	U	ug/L	P412199	
		Butyl benzyl phthalate	1.1	U	ug/L	P412199	
		4-Bromophenyl phenyl ether	0.053	U	ug/L	P412199	
		2-Chloronaphthalene	0.053	U	ug/L	P412199	
		4-Chlorophenyl phenyl ether	0.053	U	ug/L	P412199	
		Carbazole	0.053	U	ug/L	P412199	
		Chrysene	0.027	U	ug/L	P412199	
		m,p-Cresols	0.053	U	ug/L	P412199	
		o-Cresol	0.053	U	ug/L	P412199	
		Di-n-butyl phthalate	2.1	U	ug/L	P412199	
		Di-n-octyl phthalate	0.053	U	ug/L	P412199	
		Dibenzo(a,h)anthracene	0.027	U	ug/L	P412199	
		Dibenzofuran	0.053	U	ug/L	P412199	
		3,3'-Dichlorobenzidine	11	U	ug/L	P412199	
		Diethyl phthalate	2.1	U	ug/L	P412199	
		Dimethyl phthalate	0.21	U	ug/L	P412199	
		Dimethylaminoazobenzene	0.053	U	ug/L	P412199	
		7,12-Dimethylbenz(a)anthracene	0.11	U	ug/L	P412199	
		1,3-Dinitrobenzene	0.21	U	ug/L	P412199	
		2,4-Dinitrotoluene	0.053	U	ug/L	P412199	
		2,6-Dinitrotoluene	0.053	U	ug/L	P412199	
		Dinoseb**	4.3	U	ug/L	P412199	
		Ethyl methanesulfonate	1.1	U	ug/L	P412199	
		Fluoranthene	0.053	U	ug/L	P412199	
		Fluorene	0.027	U	ug/L	P412199	
		Hexachlorobenzene	0.053	U	ug/L	P412199	

Field ID: DEPMW-25 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317955	EPA 8270E	Hexachlorobutadiene	0.053	U	ug/L	P412199	
		Hexachlorocyclopentadiene	0.053	U	ug/L	P412199	
		Hexachloroethane	0.053	U	ug/L	P412199	
		Hexachloropropene	0.053	U	ug/L	P412199	
		Indeno(1,2,3-cd)pyrene	0.027	U	ug/L	P412199	
		Isophorone	0.053	U	ug/L	P412199	
		Isosafrole	0.053	U	ug/L	P412199	
		3-Methylcholanthrene	0.11	U	ug/L	P412199	
		2-Methylnaphthalene	0.11	U	ug/L	P412199	
		Naphthalene	0.11	U	ug/L	P412199	
		1-Naphthylamine	11	U	ug/L	P412199	
		2-Naphthylamine	11	U	ug/L	P412199	
		2-Nitroaniline	0.053	U	ug/L	P412199	
		Nitrobenzene	0.053	U	ug/L	P412199	
		5-Nitro-o-toluidine	0.11	U	ug/L	P412199	
		N-Nitrosodi-n-butylamine	0.053	U	ug/L	P412199	
		N-Nitrosodiethylamine	1.1	U	ug/L	P412199	
		N-Nitrosodimethylamine	2.1	U	ug/L	P412199	
		N-Nitrosodi-n-propylamine	0.053	U	ug/L	P412199	
		N-Nitrosomethylethylamine	2.1	U	ug/L	P412199	
		N-Nitrosomorpholine	0.053	U	ug/L	P412199	
		N-Nitrosopiperidine	0.053	U	ug/L	P412199	
		N-Nitrosopyrrolidine	0.11	U	ug/L	P412199	
		Pentachlorobenzene	0.053	U	ug/L	P412199	
		Pentachloroethane**	0.053	U	ug/L	P412199	
		Pentachloronitrobenzene	0.053	U	ug/L	P412199	
		Phenacetin	1.1	U	ug/L	P412199	
		Phenanthrene	0.11	U	ug/L	P412199	
		2-Picoline	1.1	U	ug/L	P412199	
		Pyrene	0.11	U	ug/L	P412199	
		Pyridine	4.3	U	ug/L	P412199	
		Safrole	0.053	U	ug/L	P412199	
		1,2,4,5-Tetrachlorobenzene	0.053	U	ug/L	P412199	
		o-Toluidine	0.11	U	ug/L	P412199	
		1,2,4-Trichlorobenzene	0.053	U	ug/L	P412199	
		1,3,5-Trinitrobenzene	0.21	U	ug/L	P412199	
		4-Chloro-3-methylphenol	0.053	U	ug/L	P412199	
		2-Chlorophenol	0.053	U	ug/L	P412199	
		2,4-Dichlorophenol	0.053	U	ug/L	P412199	
		2,6-Dichlorophenol	0.053	U	ug/L	P412199	
		2,4-Dimethylphenol	0.053	U	ug/L	P412199	
		2,4-Dinitrophenol	11	U	ug/L	P412199	
		2-Methyl-4,6-dinitrophenol	3.2	U	ug/L	P412199	
		2-Nitrophenol	0.053	U	ug/L	P412199	
		4-Nitrophenol	11	U	ug/L	P412199	

Field ID: DEPMW-25 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317955	EPA 8270E	Pentachlorophenol	0.53	U	ug/L	P412199	
		Phenol	0.053	U	ug/L	P412199	
		2,3,4,6-Tetrachlorophenol	0.11	U	ug/L	P412199	
		2,4,5-Trichlorophenol	0.053	U	ug/L	P412199	
		2,4,6-Trichlorophenol	0.053	U	ug/L	P412199	
		1-Methylnaphthalene	0.11	U	ug/L	P412199	
2317960	FL-PRO 2018	TRPH	0.48	UY	mg/L	P412337	
2317977	EPA 8260D	Benzene	0.20	U	ug/L	P412273	
		Bromodichloromethane	0.20	U	ug/L	P412273	
		Bromoform	0.50	U	ug/L	P412273	
		Bromomethane	0.50	U	ug/L	P412273	
		2-Butanone	3.0	U	ug/L	P412273	
		Carbon tetrachloride	0.20	U	ug/L	P412273	
		Chlorobenzene	0.20	U	ug/L	P412273	
		Chloroethane	0.50	U	ug/L	P412273	
		Chloroform	0.20	U	ug/L	P412273	
		Chloromethane	0.50	U	ug/L	P412273	
		Dibromochloromethane	0.20	U	ug/L	P412273	
		1,2-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,3-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,4-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,1-Dichloroethane	0.20	U	ug/L	P412273	
		1,2-Dichloroethane	0.20	U	ug/L	P412273	
		1,1-Dichloroethene	0.20	U	ug/L	P412273	
		cis-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		trans-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		1,2-Dichloropropane	0.20	U	ug/L	P412273	
		cis-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		trans-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		Ethylbenzene	0.20	U	ug/L	P412273	
		Methyl-t-butyl ether	0.20	U	ug/L	P412273	
		Methylene chloride	1.0	U	ug/L	P412273	
		1,1,2,2-Tetrachloroethane	0.20	UJ	ug/L	P412273	CCV
		Tetrachloroethene	0.20	U	ug/L	P412273	
		Toluene	0.50	U	ug/L	P412273	
		1,1,1-Trichloroethane	0.20	U	ug/L	P412273	
		1,1,2-Trichloroethane	0.20	U	ug/L	P412273	
		Trichloroethene	0.20	U	ug/L	P412273	
		Trichlorofluoromethane	0.20	U	ug/L	P412273	
		Vinyl chloride	0.20	U	ug/L	P412273	
		o-Xylene	0.50	U	ug/L	P412273	
		m,p-Xylene	0.50	U	ug/L	P412273	

Ref. Method and Comment:
EPA 8270E: Insufficient sample available to perform matrix spikes.
FL-PRO 2018: Insufficient sample available to perform matrix spikes. Y - Due to improper preservation; see NCR report.
EPA 8260D: Insufficient sample was available to perform duplicate matrix spikes. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 16:29**

Field ID: DEPMW-55 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317968	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	140		ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	58		ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	31		ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	200		ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	2.8E+03		ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	340		ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	380		ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	330		ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	5.8E+03		ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	180		ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	9.5		ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	120		ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	62		ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.43	I	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	50		ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	58		ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: DEPMW-55 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317968	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	16		ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 13:20**

Field ID: DEPMW-85 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317969	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	110		ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	150		ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	21		ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	290		ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	2.3E+03		ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	370		ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	140		ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	330		ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	9.3E+03		ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	520		ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	170		ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	72		ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	130		ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	820		ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	87		ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.6	I	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: DEPMW-85 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317969	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	18		ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 13:20**

Field ID: DEPMW-85 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317956	EPA 8270E	Acenaphthene	0.026	U	ug/L	P412199	
		Acenaphthylene	0.026	U	ug/L	P412199	
		Acetophenone	0.21	U	ug/L	P412199	
		2-Acetylaminofluorene	1.0	U	ug/L	P412199	
		4-Aminobiphenyl	4.2	U	ug/L	P412199	
		Aniline	1.0	U	ug/L	P412199	
		Anthracene	0.052	U	ug/L	P412199	
		Azobenzene/1,2-Diphenylhydrazine**	0.052	U	ug/L	P412199	
		Benzidine	10	U	ug/L	P412199	
		Benzo(a)anthracene	0.026	U	ug/L	P412199	
		Benzo(a)pyrene	0.026	U	ug/L	P412199	
		Benzo(b)fluoranthene	0.026	U	ug/L	P412199	
		Benzo(k)fluoranthene	0.026	U	ug/L	P412199	
		Benzo(g,h,i)perylene	0.026	U	ug/L	P412199	
		Benzyl alcohol	0.21	U	ug/L	P412199	
		Bis(2-chloroethoxy)methane	0.052	U	ug/L	P412199	
		Bis(2-chloroethyl)ether	0.052	U	ug/L	P412199	
		Bis(2-chloroisopropyl)ether	0.052	U	ug/L	P412199	
		Bis(2-ethylhexyl)phthalate	5.2	U	ug/L	P412199	
		Butyl benzyl phthalate	1.0	U	ug/L	P412199	
		4-Bromophenyl phenyl ether	0.052	U	ug/L	P412199	
		2-Chloronaphthalene	0.052	U	ug/L	P412199	
		4-Chlorophenyl phenyl ether	0.052	U	ug/L	P412199	
		Carbazole	0.052	U	ug/L	P412199	
		Chrysene	0.026	U	ug/L	P412199	
		m,p-Cresols	0.052	U	ug/L	P412199	
		o-Cresol	0.052	U	ug/L	P412199	
		Di-n-butyl phthalate	2.1	U	ug/L	P412199	
		Di-n-octyl phthalate	0.052	U	ug/L	P412199	
		Dibenzo(a,h)anthracene	0.026	U	ug/L	P412199	
		Dibenzofuran	0.052	U	ug/L	P412199	
		3,3'-Dichlorobenzidine	10	U	ug/L	P412199	
		Diethyl phthalate	2.1	U	ug/L	P412199	
		Dimethyl phthalate	0.21	U	ug/L	P412199	
		Dimethylaminoazobenzene	0.052	U	ug/L	P412199	
		7,12-Dimethylbenz(a)anthracene	0.10	U	ug/L	P412199	
		1,3-Dinitrobenzene	0.21	U	ug/L	P412199	
		2,4-Dinitrotoluene	0.052	U	ug/L	P412199	
		2,6-Dinitrotoluene	0.052	U	ug/L	P412199	
		Dinoseb**	4.2	U	ug/L	P412199	
		Ethyl methanesulfonate	1.0	U	ug/L	P412199	
		Fluoranthene	0.052	U	ug/L	P412199	
		Fluorene	0.026	U	ug/L	P412199	
		Hexachlorobenzene	0.052	U	ug/L	P412199	

Field ID: DEPMW-85 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317956	EPA 8270E	Hexachlorobutadiene	0.052	U	ug/L	P412199	
		Hexachlorocyclopentadiene	0.052	U	ug/L	P412199	
		Hexachloroethane	0.052	U	ug/L	P412199	
		Hexachloropropene	0.052	U	ug/L	P412199	
		Indeno(1,2,3-cd)pyrene	0.026	U	ug/L	P412199	
		Isophorone	0.052	U	ug/L	P412199	
		Isosafrole	0.052	U	ug/L	P412199	
		3-Methylcholanthrene	0.10	U	ug/L	P412199	
		2-Methylnaphthalene	0.10	U	ug/L	P412199	
		Naphthalene	0.10	U	ug/L	P412199	
		1-Naphthylamine	10	U	ug/L	P412199	
		2-Naphthylamine	10	U	ug/L	P412199	
		2-Nitroaniline	0.052	U	ug/L	P412199	
		Nitrobenzene	0.052	U	ug/L	P412199	
		5-Nitro-o-toluidine	0.10	U	ug/L	P412199	
		N-Nitrosodi-n-butylamine	0.052	U	ug/L	P412199	
		N-Nitrosodiethylamine	1.0	U	ug/L	P412199	
		N-Nitrosodimethylamine	2.1	U	ug/L	P412199	
		N-Nitrosodi-n-propylamine	0.052	U	ug/L	P412199	
		N-Nitrosomethylethylamine	2.1	U	ug/L	P412199	
		N-Nitrosomorpholine	0.052	U	ug/L	P412199	
		N-Nitrosopiperidine	0.052	U	ug/L	P412199	
		N-Nitrosopyrrolidine	0.10	U	ug/L	P412199	
		Pentachlorobenzene	0.052	U	ug/L	P412199	
		Pentachloroethane**	0.052	U	ug/L	P412199	
		Pentachloronitrobenzene	0.052	U	ug/L	P412199	
		Phenacetin	1.0	U	ug/L	P412199	
		Phenanthrene	0.10	U	ug/L	P412199	
		2-Picoline	1.0	U	ug/L	P412199	
		Pyrene	0.10	U	ug/L	P412199	
		Pyridine	4.2	U	ug/L	P412199	
		Safrole	0.052	U	ug/L	P412199	
		1,2,4,5-Tetrachlorobenzene	0.052	U	ug/L	P412199	
		o-Toluidine	0.10	U	ug/L	P412199	
		1,2,4-Trichlorobenzene	0.052	U	ug/L	P412199	
		1,3,5-Trinitrobenzene	0.21	U	ug/L	P412199	
		4-Chloro-3-methylphenol	0.052	U	ug/L	P412199	
		2-Chlorophenol	0.052	U	ug/L	P412199	
		2,4-Dichlorophenol	0.052	U	ug/L	P412199	
		2,6-Dichlorophenol	0.052	U	ug/L	P412199	
		2,4-Dimethylphenol	0.052	U	ug/L	P412199	
		2,4-Dinitrophenol	10	U	ug/L	P412199	
		2-Methyl-4,6-dinitrophenol	3.1	U	ug/L	P412199	
		2-Nitrophenol	0.052	U	ug/L	P412199	
		4-Nitrophenol	10	U	ug/L	P412199	

Field ID: DEPMW-85 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317956	EPA 8270E	Pentachlorophenol	0.52	U	ug/L	P412199	
		Phenol	0.052	U	ug/L	P412199	
		2,3,4,6-Tetrachlorophenol	0.10	U	ug/L	P412199	
		2,4,5-Trichlorophenol	0.052	U	ug/L	P412199	
		2,4,6-Trichlorophenol	0.052	U	ug/L	P412199	
		1-Methylnaphthalene	0.10	U	ug/L	P412199	
2317961	FL-PRO 2018	TRPH	0.49	UY	mg/L	P412337	
2317978	EPA 8260D	Benzene	0.20	U	ug/L	P412273	
		Bromodichloromethane	0.20	U	ug/L	P412273	
		Bromoform	0.50	U	ug/L	P412273	
		Bromomethane	0.50	U	ug/L	P412273	
		2-Butanone	3.0	U	ug/L	P412273	
		Carbon tetrachloride	0.20	U	ug/L	P412273	
		Chlorobenzene	0.20	U	ug/L	P412273	
		Chloroethane	0.50	U	ug/L	P412273	
		Chloroform	0.20	U	ug/L	P412273	
		Chloromethane	0.50	U	ug/L	P412273	
		Dibromochloromethane	0.20	U	ug/L	P412273	
		1,2-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,3-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,4-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,1-Dichloroethane	0.20	U	ug/L	P412273	
		1,2-Dichloroethane	0.20	U	ug/L	P412273	
		1,1-Dichloroethene	0.20	U	ug/L	P412273	
		cis-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		trans-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		1,2-Dichloropropane	0.20	U	ug/L	P412273	
		cis-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		trans-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		Ethylbenzene	0.20	U	ug/L	P412273	
		Methyl-t-butyl ether	0.20	U	ug/L	P412273	
		Methylene chloride	1.0	U	ug/L	P412273	
		1,1,2,2-Tetrachloroethane	0.20	UJ	ug/L	P412273	CCV
		Tetrachloroethene	0.20	U	ug/L	P412273	
		Toluene	0.50	U	ug/L	P412273	
		1,1,1-Trichloroethane	0.20	U	ug/L	P412273	
		1,1,2-Trichloroethane	0.20	U	ug/L	P412273	
		Trichloroethene	0.20	U	ug/L	P412273	
		Trichlorofluoromethane	0.20	U	ug/L	P412273	
		Vinyl chloride	0.20	U	ug/L	P412273	
		o-Xylene	0.50	U	ug/L	P412273	
		m,p-Xylene	0.50	U	ug/L	P412273	

Ref. Method and Comment:
EPA 8270E: Insufficient sample available to perform matrix spikes.
FL-PRO 2018: Insufficient sample available to perform matrix spikes. Y - Due to improper preservation; see NCR report.
EPA 8260D: Insufficient sample was available to perform duplicate matrix spikes. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 10:26**

Field ID: FSCJ-TMW-2D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317970	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	55		ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	34		ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	40		ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	180		ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	97		ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	26		ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	46		ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	100		ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	35		ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	1.7	I	ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	34		ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	290		ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	96		ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: FSCJ-TMW-2D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317970	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	29		ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 10:26**

Field ID: FSCJ-TMW-2D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317957	EPA 8270E	Acenaphthene	0.026	U	ug/L	P412199	
		Acenaphthylene	0.026	U	ug/L	P412199	
		Acetophenone	0.21	U	ug/L	P412199	
		2-Acetylaminofluorene	1.0	U	ug/L	P412199	
		4-Aminobiphenyl	4.2	U	ug/L	P412199	
		Aniline	1.0	U	ug/L	P412199	
		Anthracene	0.052	U	ug/L	P412199	
		Azobenzene/1,2-Diphenylhydrazine**	0.052	U	ug/L	P412199	
		Benzidine	10	U	ug/L	P412199	
		Benzo(a)anthracene	0.026	U	ug/L	P412199	
		Benzo(a)pyrene	0.026	U	ug/L	P412199	
		Benzo(b)fluoranthene	0.026	U	ug/L	P412199	
		Benzo(k)fluoranthene	0.026	U	ug/L	P412199	
		Benzo(g,h,i)perylene	0.026	U	ug/L	P412199	
		Benzyl alcohol	0.21	U	ug/L	P412199	
		Bis(2-chloroethoxy)methane	0.052	U	ug/L	P412199	
		Bis(2-chloroethyl)ether	0.052	U	ug/L	P412199	
		Bis(2-chloroisopropyl)ether	0.052	U	ug/L	P412199	
		Bis(2-ethylhexyl)phthalate	5.2	U	ug/L	P412199	
		Butyl benzyl phthalate	1.0	U	ug/L	P412199	
		4-Bromophenyl phenyl ether	0.052	U	ug/L	P412199	
		2-Chloronaphthalene	0.052	U	ug/L	P412199	
		4-Chlorophenyl phenyl ether	0.052	U	ug/L	P412199	
		Carbazole	0.052	U	ug/L	P412199	
		Chrysene	0.026	U	ug/L	P412199	
		m,p-Cresols	0.052	U	ug/L	P412199	
		o-Cresol	0.052	U	ug/L	P412199	
		Di-n-butyl phthalate	2.1	U	ug/L	P412199	
		Di-n-octyl phthalate	0.052	U	ug/L	P412199	
		Dibenzo(a,h)anthracene	0.026	U	ug/L	P412199	
		Dibenzofuran	0.052	U	ug/L	P412199	
		3,3'-Dichlorobenzidine	10	U	ug/L	P412199	
		Diethyl phthalate	2.1	U	ug/L	P412199	
		Dimethyl phthalate	0.21	U	ug/L	P412199	
		Dimethylaminoazobenzene	0.052	U	ug/L	P412199	
		7,12-Dimethylbenz(a)anthracene	0.10	U	ug/L	P412199	
		1,3-Dinitrobenzene	0.21	U	ug/L	P412199	
		2,4-Dinitrotoluene	0.052	U	ug/L	P412199	
		2,6-Dinitrotoluene	0.052	U	ug/L	P412199	
		Dinoseb**	4.2	U	ug/L	P412199	
		Ethyl methanesulfonate	1.0	U	ug/L	P412199	
		Fluoranthene	0.052	U	ug/L	P412199	
		Fluorene	0.026	U	ug/L	P412199	
		Hexachlorobenzene	0.052	U	ug/L	P412199	

Field ID: FSCJ-TMW-2D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317957	EPA 8270E	Hexachlorobutadiene	0.052	U	ug/L	P412199	
		Hexachlorocyclopentadiene	0.052	U	ug/L	P412199	
		Hexachloroethane	0.052	U	ug/L	P412199	
		Hexachloropropene	0.052	U	ug/L	P412199	
		Indeno(1,2,3-cd)pyrene	0.026	U	ug/L	P412199	
		Isophorone	0.052	U	ug/L	P412199	
		Isosafrole	0.052	U	ug/L	P412199	
		3-Methylcholanthrene	0.10	U	ug/L	P412199	
		2-Methylnaphthalene	0.10	U	ug/L	P412199	
		Naphthalene	0.10	U	ug/L	P412199	
		1-Naphthylamine	10	U	ug/L	P412199	
		2-Naphthylamine	10	U	ug/L	P412199	
		2-Nitroaniline	0.052	U	ug/L	P412199	
		Nitrobenzene	0.052	U	ug/L	P412199	
		5-Nitro-o-toluidine	0.10	U	ug/L	P412199	
		N-Nitrosodi-n-butylamine	0.052	U	ug/L	P412199	
		N-Nitrosodiethylamine	1.0	U	ug/L	P412199	
		N-Nitrosodimethylamine	2.1	U	ug/L	P412199	
		N-Nitrosodi-n-propylamine	0.052	U	ug/L	P412199	
		N-Nitrosomethylethylamine	2.1	U	ug/L	P412199	
		N-Nitrosomorpholine	0.052	U	ug/L	P412199	
		N-Nitrosopiperidine	0.052	U	ug/L	P412199	
		N-Nitrosopyrrolidine	0.10	U	ug/L	P412199	
		Pentachlorobenzene	0.052	U	ug/L	P412199	
		Pentachloroethane**	0.052	U	ug/L	P412199	
		Pentachloronitrobenzene	0.052	U	ug/L	P412199	
		Phenacetin	1.0	U	ug/L	P412199	
		Phenanthrene	0.10	U	ug/L	P412199	
		2-Picoline	1.0	U	ug/L	P412199	
		Pyrene	0.10	U	ug/L	P412199	
		Pyridine	4.2	U	ug/L	P412199	
		Safrole	0.052	U	ug/L	P412199	
		1,2,4,5-Tetrachlorobenzene	0.052	U	ug/L	P412199	
		o-Toluidine	0.10	U	ug/L	P412199	
		1,2,4-Trichlorobenzene	0.052	U	ug/L	P412199	
		1,3,5-Trinitrobenzene	0.21	U	ug/L	P412199	
		4-Chloro-3-methylphenol	0.052	U	ug/L	P412199	
		2-Chlorophenol	0.052	U	ug/L	P412199	
		2,4-Dichlorophenol	0.052	U	ug/L	P412199	
		2,6-Dichlorophenol	0.052	U	ug/L	P412199	
		2,4-Dimethylphenol	0.052	U	ug/L	P412199	
		2,4-Dinitrophenol	10	U	ug/L	P412199	
		2-Methyl-4,6-dinitrophenol	3.1	U	ug/L	P412199	
		2-Nitrophenol	0.052	U	ug/L	P412199	
		4-Nitrophenol	10	U	ug/L	P412199	

Field ID: FSCJ-TMW-2D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317957	EPA 8270E	Pentachlorophenol	0.52	U	ug/L	P412199	
		Phenol	0.052	U	ug/L	P412199	
		2,3,4,6-Tetrachlorophenol	0.10	U	ug/L	P412199	
		2,4,5-Trichlorophenol	0.052	U	ug/L	P412199	
		2,4,6-Trichlorophenol	0.052	U	ug/L	P412199	
		1-Methylnaphthalene	0.10	U	ug/L	P412199	
2317962	FL-PRO 2018	TRPH	0.47	UY	mg/L	P412337	
2317979	EPA 8260D	Benzene	0.20	U	ug/L	P412273	
		Bromodichloromethane	0.20	U	ug/L	P412273	
		Bromoform	0.50	U	ug/L	P412273	
		Bromomethane	0.50	U	ug/L	P412273	
		2-Butanone	3.0	U	ug/L	P412273	
		Carbon tetrachloride	0.20	U	ug/L	P412273	
		Chlorobenzene	0.20	U	ug/L	P412273	
		Chloroethane	0.50	U	ug/L	P412273	
		Chloroform	0.20	U	ug/L	P412273	
		Chloromethane	0.50	U	ug/L	P412273	
		Dibromochloromethane	0.20	U	ug/L	P412273	
		1,2-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,3-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,4-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,1-Dichloroethane	0.20	U	ug/L	P412273	
		1,2-Dichloroethane	0.20	U	ug/L	P412273	
		1,1-Dichloroethene	0.20	U	ug/L	P412273	
		cis-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		trans-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		1,2-Dichloropropane	0.20	U	ug/L	P412273	
		cis-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		trans-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		Ethylbenzene	0.20	U	ug/L	P412273	
		Methyl-t-butyl ether	0.20	U	ug/L	P412273	
		Methylene chloride	1.0	U	ug/L	P412273	
		1,1,2,2-Tetrachloroethane	0.20	UJ	ug/L	P412273	CCV
		Tetrachloroethene	0.20	U	ug/L	P412273	
		Toluene	0.50	U	ug/L	P412273	
		1,1,1-Trichloroethane	0.20	U	ug/L	P412273	
		1,1,2-Trichloroethane	0.20	U	ug/L	P412273	
		Trichloroethene	0.20	U	ug/L	P412273	
		Trichlorofluoromethane	0.20	U	ug/L	P412273	
		Vinyl chloride	0.20	U	ug/L	P412273	
		o-Xylene	0.50	U	ug/L	P412273	
		m,p-Xylene	0.50	U	ug/L	P412273	

Ref. Method and Comment:
EPA 8270E: Insufficient sample available to perform matrix spikes.
FL-PRO 2018: Insufficient sample available to perform matrix spikes. Y - Due to improper preservation; see NCR report.
EPA 8260D: Insufficient sample was available to perform duplicate matrix spikes. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 10:55**

Field ID: FSCJ-TMW-4DR Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317971	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	2.7	I	ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: FSCJ-TMW-4DR Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317971	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 13:41**

Field ID: DEPMW-1D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317972	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	3.2E+03		ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	450		ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	570	J	ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	1.7E+04		ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	2.2E+03		ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	180		ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	1.3E+03		ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	5.9E+03		ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	1.1E+03		ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	3.1E+03		ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	810		ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.4E+03		ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	51		ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	11		ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	950		ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: DEPMW-1D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317972	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	930		ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (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: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 15:05**

Field ID: DEPMW-2D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317973	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	2.1		ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	4.2	U	ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	4.2	U	ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.1	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	2.1	U	ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	3.6		ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	2.1	U	ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	2.1	U	ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	2.1	U	ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	2.1	U	ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	2.1	U	ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.1	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.1	U	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	2.1	U	ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	1.5	I	ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.83	U	ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	0.42	U	ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	0.42	U	ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.42	U	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.83	U	ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.83	U	ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.42	U	ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.1	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.1	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.1	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	17	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.1	U	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.83	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.83	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.2	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.2	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.2	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.2	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.2	U	ng/L	P412221	

Field ID: DEPMW-2D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317973	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.2	U	ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.3	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 09:46**

Field ID: Dup_FSCT-TMW-45R Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317974	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	13		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	370		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	410		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	180		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	570		ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	120		ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	290		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	1.5E+03		ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	1.4E+03		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	15		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	13		ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	29		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	6.0		ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.2E+03		ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	3.6	I	ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: Dup_FSCT-TMW-45R Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317974	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 16:01**

Field ID: Dup_FSCJ-TMW-135 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317999	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	700		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	250		ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	29		ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	460		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	4.0E+03		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	630	I	ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	130		ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	230		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	560		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	2.9	I	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	730		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	90		ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	120		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	260		ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	1.5	I	ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	78		ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	9.4		ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: Dup_FSCJ-TMW-135 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317999	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	290		ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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. The MDL for perfluorohexanoic acid (PFHxA) is elevated due to required dilution of sample matrix.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/08/2022 11:06**

Field ID: Dup_FSCJ-TMW-185 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2318000	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	190		ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	51		ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	48		ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	93		ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	3.1E+03		ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	230		ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	400		ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	150		ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	2.2E+03		ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	150		ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	5.7	I	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	1.5E+03		ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	280		ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	67		ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	31		ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	3.0		ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	91		ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	220		ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	8.5		ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: Dup_FSCJ-TMW-185 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2318000	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	60	I	ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample. The MDL for perfluoropropanesulfonic acid (PFPrS) is elevated due to required dilution of sample matrix.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 13:20**

Field ID: Dup_DEPMW-85 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2318001	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	110		ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	140		ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	18		ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	280		ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	2.5E+03		ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	400		ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	120		ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	360		ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	7.8E+03		ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	530		ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	180		ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	70		ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	140		ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	130		ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	780		ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	75		ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	3.5	I	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: Dup_DEPMW-85 Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2318001	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	20		ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 09:10**

Field ID: EQB-PP-1 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2318002	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: EQB-PP-1 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2318002	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 14:15**

Field ID: EQB-PP-2 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2318003	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: EQB-PP-2 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2318003	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/07/2022 14:15**

Field ID: EQB-PP-2 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317997	EPA 8270E	Acenaphthene	0.026	U	ug/L	P412199	
		Acenaphthylene	0.026	U	ug/L	P412199	
		Acetophenone	0.21	U	ug/L	P412199	
		2-Acetylaminofluorene	1.0	U	ug/L	P412199	
		4-Aminobiphenyl	4.2	U	ug/L	P412199	
		Aniline	1.0	U	ug/L	P412199	
		Anthracene	0.052	U	ug/L	P412199	
		Azobenzene/1,2-Diphenylhydrazine**	0.052	U	ug/L	P412199	
		Benzidine	10	U	ug/L	P412199	
		Benzo(a)anthracene	0.026	U	ug/L	P412199	
		Benzo(a)pyrene	0.026	U	ug/L	P412199	
		Benzo(b)fluoranthene	0.026	U	ug/L	P412199	
		Benzo(k)fluoranthene	0.026	U	ug/L	P412199	
		Benzo(g,h,i)perylene	0.026	U	ug/L	P412199	
		Benzyl alcohol	0.21	U	ug/L	P412199	
		Bis(2-chloroethoxy)methane	0.052	U	ug/L	P412199	
		Bis(2-chloroethyl)ether	0.052	U	ug/L	P412199	
		Bis(2-chloroisopropyl)ether	0.052	U	ug/L	P412199	
		Bis(2-ethylhexyl)phthalate	5.2	U	ug/L	P412199	
		Butyl benzyl phthalate	1.0	U	ug/L	P412199	
		4-Bromophenyl phenyl ether	0.052	U	ug/L	P412199	
		2-Chloronaphthalene	0.052	U	ug/L	P412199	
		4-Chlorophenyl phenyl ether	0.052	U	ug/L	P412199	
		Carbazole	0.052	U	ug/L	P412199	
		Chrysene	0.026	U	ug/L	P412199	
		m,p-Cresols	0.052	U	ug/L	P412199	
		o-Cresol	0.052	U	ug/L	P412199	
		Di-n-butyl phthalate	2.1	U	ug/L	P412199	
		Di-n-octyl phthalate	0.052	U	ug/L	P412199	
		Dibenzo(a,h)anthracene	0.026	U	ug/L	P412199	
		Dibenzofuran	0.052	U	ug/L	P412199	
		3,3'-Dichlorobenzidine	10	U	ug/L	P412199	
		Diethyl phthalate	2.1	U	ug/L	P412199	
		Dimethyl phthalate	0.21	U	ug/L	P412199	
		Dimethylaminoazobenzene	0.052	U	ug/L	P412199	
		7,12-Dimethylbenz(a)anthracene	0.10	U	ug/L	P412199	
		1,3-Dinitrobenzene	0.21	U	ug/L	P412199	
		2,4-Dinitrotoluene	0.052	U	ug/L	P412199	
		2,6-Dinitrotoluene	0.052	U	ug/L	P412199	
		Dinoseb**	4.2	U	ug/L	P412199	
		Ethyl methanesulfonate	1.0	U	ug/L	P412199	
		Fluoranthene	0.052	U	ug/L	P412199	
		Fluorene	0.026	U	ug/L	P412199	
		Hexachlorobenzene	0.052	U	ug/L	P412199	

Field ID: EQB-PP-2 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317997	EPA 8270E	Hexachlorobutadiene	0.052	U	ug/L	P412199	
		Hexachlorocyclopentadiene	0.052	U	ug/L	P412199	
		Hexachloroethane	0.052	U	ug/L	P412199	
		Hexachloropropene	0.052	U	ug/L	P412199	
		Indeno(1,2,3-cd)pyrene	0.026	U	ug/L	P412199	
		Isophorone	0.052	U	ug/L	P412199	
		Isosafrole	0.052	U	ug/L	P412199	
		3-Methylcholanthrene	0.10	U	ug/L	P412199	
		2-Methylnaphthalene	0.10	U	ug/L	P412199	
		Naphthalene	0.10	U	ug/L	P412199	
		1-Naphthylamine	10	U	ug/L	P412199	
		2-Naphthylamine	10	U	ug/L	P412199	
		2-Nitroaniline	0.052	U	ug/L	P412199	
		Nitrobenzene	0.052	U	ug/L	P412199	
		5-Nitro-o-toluidine	0.10	U	ug/L	P412199	
		N-Nitrosodi-n-butylamine	0.052	U	ug/L	P412199	
		N-Nitrosodiethylamine	1.0	U	ug/L	P412199	
		N-Nitrosodimethylamine	2.1	U	ug/L	P412199	
		N-Nitrosodi-n-propylamine	0.052	U	ug/L	P412199	
		N-Nitrosomethylethylamine	2.1	U	ug/L	P412199	
		N-Nitrosomorpholine	0.052	U	ug/L	P412199	
		N-Nitrosopiperidine	0.052	U	ug/L	P412199	
		N-Nitrosopyrrolidine	0.10	U	ug/L	P412199	
		Pentachlorobenzene	0.052	U	ug/L	P412199	
		Pentachloroethane**	0.052	U	ug/L	P412199	
		Pentachloronitrobenzene	0.052	U	ug/L	P412199	
		Phenacetin	1.0	U	ug/L	P412199	
		Phenanthrene	0.10	U	ug/L	P412199	
		2-Picoline	1.0	U	ug/L	P412199	
		Pyrene	0.10	U	ug/L	P412199	
		Pyridine	4.2	U	ug/L	P412199	
		Safrole	0.052	U	ug/L	P412199	
		1,2,4,5-Tetrachlorobenzene	0.052	U	ug/L	P412199	
		o-Toluidine	0.10	U	ug/L	P412199	
		1,2,4-Trichlorobenzene	0.052	U	ug/L	P412199	
		1,3,5-Trinitrobenzene	0.21	U	ug/L	P412199	
		4-Chloro-3-methylphenol	0.052	U	ug/L	P412199	
		2-Chlorophenol	0.052	U	ug/L	P412199	
		2,4-Dichlorophenol	0.052	U	ug/L	P412199	
		2,6-Dichlorophenol	0.052	U	ug/L	P412199	
		2,4-Dimethylphenol	0.052	U	ug/L	P412199	
		2,4-Dinitrophenol	10	U	ug/L	P412199	
		2-Methyl-4,6-dinitrophenol	3.1	U	ug/L	P412199	
		2-Nitrophenol	0.052	U	ug/L	P412199	
		4-Nitrophenol	10	U	ug/L	P412199	

Field ID: EQB-PP-2 Matrix: W-EQPMT-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317997	EPA 8270E	Pentachlorophenol	0.52	U	ug/L	P412199	
		Phenol	0.052	U	ug/L	P412199	
		2,3,4,6-Tetrachlorophenol	0.10	U	ug/L	P412199	
		2,4,5-Trichlorophenol	0.052	U	ug/L	P412199	
		2,4,6-Trichlorophenol	0.052	U	ug/L	P412199	
		1-Methylnaphthalene	0.10	U	ug/L	P412199	
2317998	FL-PRO 2018	TRPH	0.47	UY	mg/L	P412337	
2318005	EPA 8260D	Benzene	0.20	U	ug/L	P412273	
		Bromodichloromethane	0.20	U	ug/L	P412273	
		Bromoform	0.50	U	ug/L	P412273	
		Bromomethane	0.50	U	ug/L	P412273	
		2-Butanone	3.0	U	ug/L	P412273	
		Carbon tetrachloride	0.20	U	ug/L	P412273	
		Chlorobenzene	0.20	U	ug/L	P412273	
		Chloroethane	0.50	U	ug/L	P412273	
		Chloroform	0.20	U	ug/L	P412273	
		Chloromethane	0.50	U	ug/L	P412273	
		Dibromochloromethane	0.20	U	ug/L	P412273	
		1,2-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,3-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,4-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,1-Dichloroethane	0.20	U	ug/L	P412273	
		1,2-Dichloroethane	0.20	U	ug/L	P412273	
		1,1-Dichloroethene	0.20	U	ug/L	P412273	
		cis-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		trans-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		1,2-Dichloropropane	0.20	U	ug/L	P412273	
		cis-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		trans-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		Ethylbenzene	0.20	U	ug/L	P412273	
		Methyl-t-butyl ether	0.20	U	ug/L	P412273	
		Methylene chloride	1.0	U	ug/L	P412273	
		1,1,2,2-Tetrachloroethane	0.20	UJ	ug/L	P412273	CCV
		Tetrachloroethene	0.20	U	ug/L	P412273	
		Toluene	0.50	U	ug/L	P412273	
		1,1,1-Trichloroethane	0.20	U	ug/L	P412273	
		1,1,2-Trichloroethane	0.20	U	ug/L	P412273	
		Trichloroethene	0.20	U	ug/L	P412273	
		Trichlorofluoromethane	0.20	U	ug/L	P412273	
		Vinyl chloride	0.20	U	ug/L	P412273	
		o-Xylene	0.50	U	ug/L	P412273	
		m,p-Xylene	0.50	U	ug/L	P412273	

Ref. Method and Comment:
EPA 8270E: Insufficient sample available to perform matrix spikes.
FL-PRO 2018: Insufficient sample available to perform matrix spikes. Y - Due to improper preservation; see NCR report.
EPA 8260D: Insufficient sample was available to perform duplicate matrix spikes. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 15:23**

Field ID: FRB_FSCJ-TMW-85 Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2318004	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P412221	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P412221	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412221	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412221	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P412221	RPD
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P412221	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P412221	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412221	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P412221	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P412221	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P412221	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412221	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412221	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412221	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P412221	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412221	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412221	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412221	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412221	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412221	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412221	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412221	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412221	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412221	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412221	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412221	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412221	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412221	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412221	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412221	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412221	

Field ID: FRB_FSCJ-TMW-85 Matrix: W-FRB

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2318004	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412221	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412221	

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. MS accuracy and precision for 4,8-dioxa-3H-perfluorononanoic acid (ADONA) and perfluorooctanesulfonic acid (PFOS) could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Fire Academy of the South - FSCJ **Collection Date/Time: 04/06/2022 09:10**

Field ID: Trip Blank Matrix: W-TRIP-BLK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2318006	EPA 8260D	Benzene	0.20	U	ug/L	P412273	
		Bromodichloromethane	0.20	U	ug/L	P412273	
		Bromoform	0.50	U	ug/L	P412273	
		Bromomethane	0.50	U	ug/L	P412273	
		2-Butanone	3.0	U	ug/L	P412273	
		Carbon tetrachloride	0.20	U	ug/L	P412273	
		Chlorobenzene	0.20	U	ug/L	P412273	
		Chloroethane	0.50	U	ug/L	P412273	
		Chloroform	0.20	U	ug/L	P412273	
		Chloromethane	0.50	U	ug/L	P412273	
		Dibromochloromethane	0.20	U	ug/L	P412273	
		1,2-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,3-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,4-Dichlorobenzene	0.50	U	ug/L	P412273	
		1,1-Dichloroethane	0.20	U	ug/L	P412273	
		1,2-Dichloroethane	0.20	U	ug/L	P412273	
		1,1-Dichloroethene	0.20	U	ug/L	P412273	
		cis-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		trans-1,2-Dichloroethene	0.20	U	ug/L	P412273	
		1,2-Dichloropropane	0.20	U	ug/L	P412273	
		cis-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		trans-1,3-Dichloropropene	0.50	U	ug/L	P412273	
		Ethylbenzene	0.20	U	ug/L	P412273	
		Methyl-t-butyl ether	0.20	U	ug/L	P412273	
		Methylene chloride	1.0	U	ug/L	P412273	
		1,1,2,2-Tetrachloroethane	0.20	UJ	ug/L	P412273	CCV
		Tetrachloroethene	0.20	U	ug/L	P412273	
		Toluene	0.50	U	ug/L	P412273	
		1,1,1-Trichloroethane	0.20	U	ug/L	P412273	
		1,1,2-Trichloroethane	0.20	U	ug/L	P412273	
		Trichloroethene	0.20	U	ug/L	P412273	
		Trichlorofluoromethane	0.20	U	ug/L	P412273	
		Vinyl chloride	0.20	U	ug/L	P412273	
		o-Xylene	0.50	U	ug/L	P412273	
		m,p-Xylene	0.50	U	ug/L	P412273	

Ref. Method and Comment:
EPA 8260D: Insufficient sample was available to perform duplicate matrix spikes. Refer to the Lab Analysis Report for an explanation of QC Codes.

Non-Conformance Report

NCR ID: 9342

Event(s)	Job(s)	Sample(s)	Test(s)
SIS-2022-04-11-01	TLH-2022-04-11-05	2317917	
SIS-2022-04-11-01	TLH-2022-04-11-05	2317918	
SIS-2022-04-11-01	TLH-2022-04-11-05	2317919	
SIS-2022-04-11-01	TLH-2022-04-11-05	2317920	
SIS-2022-04-11-01	TLH-2022-04-11-09	2317958	
SIS-2022-04-11-01	TLH-2022-04-11-09	2317960	
SIS-2022-04-11-01	TLH-2022-04-11-09	2317961	
SIS-2022-04-11-01	TLH-2022-04-11-09	2317962	
SIS-2022-04-11-01	TLH-2022-04-11-12	2317998	
SIS-2022-04-11-01	TLH-2022-04-11-15	2318016	

NCR Type: SHIPPING/RECEIVING **NCR Category: Preservation Not Intact**

Observation: Samples not preserved to pH < 2.

Resolution: Sample preserved in the laboratory on 04/11/2022 at 14:41
H2SO4 Lot# SA1308030 | Expiration Date: 12/01/2022.

Authorized by/Date: Kyle Klug 4/12/2022

The Non-Conformance Report details exceptions or problems encountered with the events/jobs/samples/test.
Please address questions to:

Chemistry	Colin Wright	(850) 245-8085
Biology	Cheryl Swanson	(850) 245-8177

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P412152

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)	4.0	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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: P412184

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: P412184

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)	4.0	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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: P412221

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)	4.0	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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: P412221

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: EPA 8260D
Batch ID: P412273

Component	Result	Code	Units
1,1-Dichloroethane	0.20	U	ug/L
1,1-Dichloroethene	0.20	U	ug/L
1,1,1-Trichloroethane	0.20	U	ug/L
1,1,2-Trichloroethane	0.20	U	ug/L
1,1,2,2-Tetrachloroethane	0.20	U	ug/L
1,2-Dichlorobenzene	0.50	U	ug/L
1,2-Dichloroethane	0.20	U	ug/L
1,2-Dichloropropane	0.20	U	ug/L
1,3-Dichlorobenzene	0.50	U	ug/L
1,4-Dichlorobenzene	0.50	U	ug/L
2-Butanone	3.0	U	ug/L
Benzene	0.20	U	ug/L
Bromodichloromethane	0.20	U	ug/L
Bromoform	0.50	U	ug/L
Bromomethane	0.50	U	ug/L
Carbon tetrachloride	0.20	U	ug/L
Chlorobenzene	0.20	U	ug/L
Chloroethane	0.50	U	ug/L
Chloroform	0.20	U	ug/L
Chloromethane	0.50	U	ug/L
cis-1,2-Dichloroethene	0.20	U	ug/L
cis-1,3-Dichloropropene	0.50	U	ug/L
Dibromochloromethane	0.20	U	ug/L
Ethylbenzene	0.20	U	ug/L
m,p-Xylene	0.50	U	ug/L
Methyl-t-butyl ether	0.20	U	ug/L
Methylene chloride	1.0	U	ug/L
o-Xylene	0.50	U	ug/L
Tetrachloroethene	0.20	U	ug/L
Toluene	0.50	U	ug/L
trans-1,2-Dichloroethene	0.20	U	ug/L
trans-1,3-Dichloropropene	0.50	U	ug/L
Trichloroethene	0.20	U	ug/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8260D
Batch ID: P412273

Component	Result	Code	Units
Trichlorofluoromethane	0.20	U	ug/L
Vinyl chloride	0.20	U	ug/L

Reference Method: EPA 8270E
Batch ID: P412199

Component	Result	Code	Units
1-Methylnaphthalene	0.10	U	ug/L
1-Naphthylamine	10	U	ug/L
1,2,4-Trichlorobenzene	0.050	U	ug/L
1,2,4,5-Tetrachlorobenzene	0.050	U	ug/L
1,3-Dinitrobenzene	0.20	U	ug/L
1,3,5-Trinitrobenzene	0.20	U	ug/L
2-Acetylaminofluorene	1.0	U	ug/L
2-Chloronaphthalene	0.050	U	ug/L
2-Chlorophenol	0.050	U	ug/L
2-Methyl-4,6-dinitrophenol	3.0	U	ug/L
2-Methylnaphthalene	0.10	U	ug/L
2-Naphthylamine	10	U	ug/L
2-Nitroaniline	0.050	U	ug/L
2-Nitrophenol	0.050	U	ug/L
2-Picoline	1.0	U	ug/L
2,3,4,6-Tetrachlorophenol	0.10	U	ug/L
2,4-Dichlorophenol	0.050	U	ug/L
2,4-Dimethylphenol	0.050	U	ug/L
2,4-Dinitrophenol	10	U	ug/L
2,4-Dinitrotoluene	0.050	U	ug/L
2,4,5-Trichlorophenol	0.050	U	ug/L
2,4,6-Trichlorophenol	0.050	U	ug/L
2,6-Dichlorophenol	0.050	U	ug/L
2,6-Dinitrotoluene	0.050	U	ug/L
3-Methylcholanthrene	0.10	U	ug/L
3,3'-Dichlorobenzidine	10	U	ug/L
4-Aminobiphenyl	4.0	U	ug/L
4-Bromophenyl phenyl ether	0.050	U	ug/L
4-Chloro-3-methylphenol	0.050	U	ug/L
4-Chlorophenyl phenyl ether	0.050	U	ug/L
4-Nitrophenol	10	U	ug/L
5-Nitro-o-toluidine	0.10	U	ug/L
7,12-Dimethylbenz(a)anthracene	0.10	U	ug/L
Acenaphthene	0.025	U	ug/L
Acenaphthylene	0.025	U	ug/L
Acetophenone	0.20	U	ug/L
Aniline	1.0	U	ug/L
Anthracene	0.050	U	ug/L
Azobenzene/1,2-Diphenylhydrazine	0.050	U	ug/L
Benzidine	10	U	ug/L
Benzo(a)anthracene	0.025	U	ug/L
Benzo(a)pyrene	0.025	U	ug/L
Benzo(b)fluoranthene	0.025	U	ug/L
Benzo(g,h,i)perylene	0.025	U	ug/L
Benzo(k)fluoranthene	0.025	U	ug/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P412199

Component	Result	Code	Units
Benzyl alcohol	0.20	U	ug/L
Bis(2-chloroethoxy)methane	0.050	U	ug/L
Bis(2-chloroethyl)ether	0.050	U	ug/L
Bis(2-chloroisopropyl)ether	0.050	U	ug/L
Bis(2-ethylhexyl)phthalate	5.0	U	ug/L
Butyl benzyl phthalate	1.0	U	ug/L
Carbazole	0.050	U	ug/L
Chrysene	0.025	U	ug/L
Di-n-butyl phthalate	2.0	U	ug/L
Di-n-octyl phthalate	0.050	U	ug/L
Dibenzo(a,h)anthracene	0.025	U	ug/L
Dibenzofuran	0.050	U	ug/L
Diethyl phthalate	2.0	U	ug/L
Dimethyl phthalate	0.20	U	ug/L
Dimethylaminoazobenzene	0.050	U	ug/L
Dinoseb	4.0	U	ug/L
Ethyl methanesulfonate	1.0	U	ug/L
Fluoranthene	0.050	U	ug/L
Fluorene	0.025	U	ug/L
Hexachlorobenzene	0.050	U	ug/L
Hexachlorobutadiene	0.050	U	ug/L
Hexachlorocyclopentadiene	0.050	U	ug/L
Hexachloroethane	0.050	U	ug/L
Hexachloropropene	0.050	U	ug/L
Indeno(1,2,3-cd)pyrene	0.025	U	ug/L
Isophorone	0.050	U	ug/L
Isosafrole	0.050	U	ug/L
m,p-Cresols	0.050	U	ug/L
N-Nitrosodi-n-butylamine	0.050	U	ug/L
N-Nitrosodi-n-propylamine	0.050	U	ug/L
N-Nitrosodiethylamine	1.0	U	ug/L
N-Nitrosodimethylamine	2.0	U	ug/L
N-Nitrosomethylethylamine	2.0	U	ug/L
N-Nitrosomorpholine	0.050	U	ug/L
N-Nitrosopiperidine	0.050	U	ug/L
N-Nitrosopyrrolidine	0.10	U	ug/L
Naphthalene	0.10	U	ug/L
Nitrobenzene	0.050	U	ug/L
o-Cresol	0.050	U	ug/L
o-Toluidine	0.10	U	ug/L
Pentachlorobenzene	0.050	U	ug/L
Pentachloroethane	0.050	U	ug/L
Pentachloronitrobenzene	0.050	U	ug/L
Pentachlorophenol	0.50	U	ug/L
Phenacetin	1.0	U	ug/L
Phenanthrene	0.10	U	ug/L
Phenol	0.050	U	ug/L
Pyrene	0.10	U	ug/L
Pyridine	4.0	U	ug/L
Safrole	0.050	U	ug/L

Quality Assurance Report
Method Blank Results

Reference Method: FL-PRO 2018
Batch ID: P412337

Component	Result	Code	Units
TRPH	0.45	U	mg/L

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P412152

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	94.2		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	96.4		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	50.5		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	116		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	89.6		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	104		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	99.4		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	102		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	102		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	114		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	107		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	87.6		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	88.3		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	119		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	84.4		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	108		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	92.6		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	91.3		P	30 - 160
Perfluorobutanoic acid (PFBA)	97.8		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	98.4		P	30 - 160
Perfluorodecanoic acid (PFDA)	84.8		P	30 - 160
Perfluorododecanoic acid (PFDoA)	112		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	76.1		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	97.3		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	75.2		P	30 - 160
Perfluorohexanoic acid (PFHxA)	78.5		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	91.4		P	30 - 160
Perfluorononanoic acid (PFNA)	123		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	87.9		P	30 - 160
Perfluorooctanoic acid (PFOA)	91.4		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	92.3		P	30 - 160
Perfluoropentanoic acid (PFPeA)	134		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	97.2		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	97.8		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	114		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	96.8		P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P412184

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	73.4		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	71.5		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	139		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	130		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	83.7		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	96.3		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	82.1		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	113		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	134		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	88.1		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	151		P	30 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P412184

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoro-1-hexane sulfonamide (FHxSA)	144		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	103		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	99.5		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	120		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	114		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	101		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	101		P	30 - 160
Perfluorobutanoic acid (PFBA)	107		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	91.2		P	30 - 160
Perfluorodecanoic acid (PFDA)	122		P	30 - 160
Perfluorododecanoic acid (PFDoA)	129		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	110		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	91.2		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	117		P	30 - 160
Perfluorohexanoic acid (PFHxA)	81.0		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	93.2		P	30 - 160
Perfluorononanoic acid (PFNA)	81.7		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	88.5		P	30 - 160
Perfluorooctanoic acid (PFOA)	122		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	79.0		P	30 - 160
Perfluoropentanoic acid (PFPeA)	102		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	83.6		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	116		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	99.9		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	112		P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P412221

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	74.9		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	114		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	102		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	96.3		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	76.6		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	84.3		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	97.9		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	97.4		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	119		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	130		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	157		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	152		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	104		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	88.1		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	102		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	112		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	99.1		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	103		P	30 - 160
Perfluorobutanoic acid (PFBA)	89.1		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	78.3		P	30 - 160
Perfluorodecanoic acid (PFDA)	88.2		P	30 - 160
Perfluorododecanoic acid (PFDoA)	130		P	30 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P412221

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoroheptanesulfonic acid (PFHpS)	90.7		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	95.6		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	94.3		P	30 - 160
Perfluorohexanoic acid (PFHxA)	110		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	81.0		P	30 - 160
Perfluorononanoic acid (PFNA)	89.5		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	87.6		P	30 - 160
Perfluorooctanoic acid (PFOA)	127		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	112		P	30 - 160
Perfluoropentanoic acid (PFPeA)	102		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	134		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	118		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	128		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	113		P	30 - 160

Reference Method: EPA 8260D
Batch ID: P412273

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1,1-Dichloroethane	103	102	P/P	70 - 130
1,1-Dichloroethene	85.0	84.7	P/P	70 - 130
1,1,1-Trichloroethane	96.8	95.6	P/P	70 - 130
1,1,2-Trichloroethane	86.8	86.3	P/P	70 - 130
1,1,2,2-Tetrachloroethane	84.7	83.8	P/P	60 - 140
1,2-Dichlorobenzene	89.0	87.4	P/P	70 - 130
1,2-Dichloroethane	97.8	97.4	P/P	70 - 130
1,2-Dichloropropane	99.6	98.9	P/P	70 - 130
1,3-Dichlorobenzene	87.9	86.2	P/P	70 - 130
1,4-Dichlorobenzene	86.1	84.4	P/P	70 - 130
2-Butanone	97.1	98.6	P/P	60 - 140
Benzene	97.9	97.5	P/P	70 - 130
Bromodichloromethane	101	100	P/P	70 - 130
Bromoform	91.8	91.2	P/P	60 - 140
Bromomethane	94.2	92.2	P/P	60 - 140
Carbon tetrachloride	102	99.9	P/P	70 - 130
Chlorobenzene	95.6	94.8	P/P	70 - 130
Chloroethane	86.6	86.7	P/P	60 - 140
Chloroform	102	101	P/P	70 - 130
Chloromethane	71.6	71.2	P/P	60 - 140
cis-1,2-Dichloroethene	95.9	95.6	P/P	70 - 130
cis-1,3-Dichloropropene	101	101	P/P	60 - 140
Dibromochloromethane	98.0	97.6	P/P	60 - 140
Ethylbenzene	93.4	92.4	P/P	70 - 130
m,p-Xylene	92.8	91.6	P/P	70 - 130
Methyl-t-butyl ether	108	111	P/P	60 - 140
Methylene chloride	97.3	96.6	P/P	70 - 130
o-Xylene	95.2	94.0	P/P	70 - 130
Tetrachloroethene	91.7	90.3	P/P	70 - 130
Toluene	102	101	P/P	70 - 130
trans-1,2-Dichloroethene	90.8	90.2	P/P	70 - 130
trans-1,3-Dichloropropene	87.2	87.6	P/P	60 - 140
Trichloroethene	101	101	P/P	70 - 130

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8260D
Batch ID: P412273

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Trichlorofluoromethane	100	98.6	P/P	60 - 140
Vinyl chloride	97.8	96.4	P/P	60 - 140

Reference Method: EPA 8270E
Batch ID: P412199

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1-Methylnaphthalene	90.6	98.6	P/P	50 - 130
1-Naphthylamine	27.8	20.3	P/P	20 - 130
1,2,4-Trichlorobenzene	86.6	99.0	P/P	50 - 130
1,2,4,5-Tetrachlorobenzene	105	89.4	P/P	50 - 130
1,3-Dinitrobenzene	105	113	P/P	50 - 130
1,3,5-Trinitrobenzene	142	136	P/P	50 - 150
2-Acetylaminofluorene	130	122	P/P	50 - 130
2-Chloronaphthalene	90.1	97.6	P/P	50 - 130
2-Chlorophenol	82.6	91.9	P/P	50 - 130
2-Methyl-4,6-dinitrophenol	137	148	P/P	50 - 150
2-Methylnaphthalene	92.1	101	P/P	50 - 130
2-Naphthylamine	28.6	36.7	P/P	20 - 130
2-Nitroaniline	103	107	P/P	50 - 130
2-Nitrophenol	85.8	99.0	P/P	50 - 130
2-Picoline	96.6	97.7	P/P	40 - 130
2,3,4,6-Tetrachlorophenol	122	113	P/P	50 - 130
2,4-Dichlorophenol	87.2	100	P/P	50 - 130
2,4-Dimethylphenol	83.9	91.5	P/P	50 - 130
2,4-Dinitrophenol	103	115	P/P	30 - 160
2,4-Dinitrotoluene	106	106	P/P	50 - 130
2,4,5-Trichlorophenol	96.1	100	P/P	50 - 130
2,4,6-Trichlorophenol	94.7	99.2	P/P	50 - 130
2,6-Dichlorophenol	110	94.8	P/P	50 - 130
2,6-Dinitrotoluene	104	107	P/P	50 - 130
3-Methylcholanthrene	109	104	P/P	50 - 130
3,3'-Dichlorobenzidine	195	198	P/P	0.0 - 200
4-Aminobiphenyl	60.6	52.5	P/P	30 - 130
4-Bromophenyl phenyl ether	94.6	99.6	P/P	50 - 130
4-Chloro-3-methylphenol	92.3	99.5	P/P	50 - 130
4-Chlorophenyl phenyl ether	101	102	P/P	50 - 130
4-Nitrophenol	76.5	73.4	P/P	15 - 110
5-Nitro-o-toluidine	124	111	P/P	50 - 130
7,12-Dimethylbenz(a)anthracene	106	99.2	P/P	50 - 130
Acenaphthene	94.6	99.8	P/P	50 - 130
Acenaphthylene	94.4	99.7	P/P	50 - 130
Acetophenone	102	100	P/P	50 - 130
Aniline	83.6	93.0	P/P	30 - 130
Anthracene	96.2	99.7	P/P	50 - 130
Azobenzene/1,2-Diphenylhydrazine	98.4	104	P/P	50 - 130
Benzidine	46.4	50.4	P/P	0.0 - 240
Benzo(a)anthracene	99.3	102	P/P	50 - 130
Benzo(a)pyrene	112	113	P/P	50 - 130
Benzo(b)fluoranthene	106	104	P/P	50 - 130
Benzo(g,h,i)perylene	106	109	P/P	50 - 130
Benzo(k)fluoranthene	97.6	100	P/P	50 - 130

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P412199

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Benzyl alcohol	87.0	94.8	P/P	50 - 130
Bis(2-chloroethoxy)methane	84.9	96.8	P/P	50 - 130
Bis(2-chloroethyl)ether	83.1	92.3	P/P	50 - 160
Bis(2-chloroisopropyl)ether	82.7	94.5	P/P	50 - 130
Bis(2-ethylhexyl)phthalate	123	112	P/P	50 - 160
Butyl benzyl phthalate	109	110	P/P	50 - 160
Carbazole	105	116	P/P	50 - 130
Chrysene	104	105	P/P	50 - 130
Di-n-butyl phthalate	105	109	P/P	50 - 160
Di-n-octyl phthalate	112	115	P/P	50 - 130
Dibenzo(a,h)anthracene	103	108	P/P	50 - 130
Dibenzofuran	96.8	102	P/P	50 - 130
Diethyl phthalate	109	111	P/P	50 - 130
Dimethyl phthalate	104	105	P/P	50 - 130
Dimethylaminoazobenzene	112	109	P/P	50 - 130
Dinoseb	69.9	69.2	P/P	50 - 150
Ethyl methanesulfonate	96.7	95.6	P/P	50 - 130
Fluoranthene	103	105	P/P	50 - 130
Fluorene	98.6	101	P/P	50 - 130
Hexachlorobenzene	94.4	98.5	P/P	50 - 130
Hexachlorobutadiene	85.2	97.3	P/P	20 - 130
Hexachlorocyclopentadiene	93.4	103	P/P	20 - 130
Hexachloroethane	81.9	92.7	P/P	40 - 130
Hexachloropropene	125	106	P/P	50 - 130
Indeno(1,2,3-cd)pyrene	106	109	P/P	50 - 130
Isophorone	86.0	97.2	P/P	50 - 130
Isosafrole	111	97.5	P/P	50 - 130
m,p-Cresols	81.2	87.4	P/P	50 - 130
N-Nitrosodi-n-butylamine	111	98.2	P/P	50 - 130
N-Nitrosodi-n-propylamine	88.3	97.0	P/P	50 - 130
N-Nitrosodiethylamine	99.8	99.1	P/P	50 - 130
N-Nitrosodimethylamine	109	99.0	P/P	30 - 130
N-Nitrosomethylethylamine	102	99.0	P/P	50 - 130
N-Nitrosomorpholine	120	120	P/P	50 - 150
N-Nitrosopiperidine	104	102	P/P	50 - 130
N-Nitrosopyrrolidine	98.5	100	P/P	50 - 130
Naphthalene	87.0	98.8	P/P	50 - 130
Nitrobenzene	86.3	98.5	P/P	50 - 130
o-Cresol	83.9	91.9	P/P	50 - 130
o-Toluidine	100	99.2	P/P	50 - 130
Pentachlorobenzene	108	93.5	P/P	50 - 130
Pentachloroethane	94.0	90.8	P/P	50 - 130
Pentachloronitrobenzene	123	120	P/P	50 - 130
Pentachlorophenol	112	118	P/P	50 - 130
Phenacetin	121	123	P/P	50 - 130
Phenanthrene	98.8	104	P/P	50 - 130
Phenol	59.3	60.6	P/P	15 - 110
Pyrene	103	105	P/P	50 - 130
Pyridine	58.7	59.0	P/P	20 - 130
Safrole	110	94.8	P/P	50 - 130

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: FL-PRO 2018
Batch ID: P412337

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TRPH	72.1	81.3	P/P	66 - 116

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P412152

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2317963	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	101	101	P/P	30 - 160
2317963	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	86.2	93.6	P/P	30 - 160
2317963	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	136	126	P/P	30 - 160
2317963	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	126	105	P/P	30 - 160
2317963	Hexafluoropropylene oxide dimer acid (HFPO-DA)	99.4	95.3	P/P	30 - 160
2317963	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	128	123	P/P	30 - 160
2317963	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	83.7	88.4	P/P	30 - 160
2317963	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	124	154	P/P	30 - 160
2317963	Perfluoro-1-octane sulfonamide (FOSA)	83.2	105	P/P	30 - 160
2317963	Perfluoro-3-methoxypropanoic acid (PFMPA)	125	150	P/P	30 - 160
2317963	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	110	130	P/P	30 - 160
2317963	Perfluoro-4-methoxybutanoic acid (PFMBA)	97.1	144	P/P	30 - 160
2317963	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	107	106	P/P	30 - 160
2317963	Perfluorodecanesulfonic acid (PFDS)	83.9	96.8	P/P	30 - 160
2317963	Perfluorododecanoic acid (PFDoA)	113	119	P/P	30 - 160
2317963	Perfluorononanesulfonic acid (PFNS)	150	147	P/P	30 - 160
2317963	Perfluoropropanesulfonic acid (PFPrS)	99.3	97.7	P/P	30 - 160
2317963	Perfluorotetradecanoic acid (PFTeA)	101	107	P/P	30 - 160
2317963	Perfluorotridecanoic acid (PFTriA)	86.1	109	P/P	30 - 160
2317963	Perfluoroundecanoic acid (PFUnA)	120	92.7	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P412184

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2317932	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	62.7	58.8	P/P	30 - 160
2317932	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	114	146	P/P	30 - 160
2317932	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	113	96.8	P/P	30 - 160
2317932	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	135	125	P/P	30 - 160
2317932	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	72.5	68.2	P/P	30 - 160
2317932	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	90.1	92.3	P/P	30 - 160
2317932	Hexafluoropropylene oxide dimer acid (HFPO-DA)	122	101	P/P	30 - 160
2317932	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	101	92.8	P/P	30 - 160
2317932	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	116	125	P/P	30 - 160
2317932	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	152	158	P/P	30 - 160
2317932	Perfluoro-1-butane sulfonamide (FBSA)	130	116	P/P	30 - 160
2317932	Perfluoro-1-hexane sulfonamide (FHxSA)	104	89.6	P/P	30 - 160
2317932	Perfluoro-1-octane sulfonamide (FOSA)	94.2	84.4	P/P	30 - 160
2317932	Perfluoro-3-methoxypropanoic acid (PFMPA)	123	101	P/P	30 - 160
2317932	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	122	101	P/P	30 - 160
2317932	Perfluoro-4-methoxybutanoic acid (PFMBA)	119	98.0	P/P	30 - 160
2317932	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	147	99.3	P/P	30 - 160
2317932	Perfluorobutanesulfonic acid (PFBS)	110	91.9	P/P	30 - 160
2317932	Perfluorodecanesulfonic acid (PFDS)	61.9	63.2	P/P	30 - 160
2317932	Perfluorodecanoic acid (PFDA)	90.2	84.2	P/P	30 - 160
2317932	Perfluorododecanoic acid (PFDoA)	98.9	103	P/P	30 - 160
2317932	Perfluoroheptanesulfonic acid (PFHpS)	114	97.0	P/P	30 - 160
2317932	Perfluorohexanesulfonic acid (PFHxS)	137	112	P/P	30 - 160
2317932	Perfluorononanesulfonic acid (PFNS)	88.0	78.1	P/P	30 - 160
2317932	Perfluorononanoic acid (PFNA)	122	103	P/P	30 - 160
2317932	Perfluoropentanesulfonic acid (PFPeS)	110	116	P/P	30 - 160
2317932	Perfluoropropanesulfonic acid (PFPrS)	96.9	86.8	P/P	30 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P412184

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2317932	Perfluorotetradecanoic acid (PFTeA)	113	88.1	P/P	30 - 160
2317932	Perfluorotridecanoic acid (PFTriA)	100	92.5	P/P	30 - 160
2317932	Perfluoroundecanoic acid (PFUnA)	90.9	87.8	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P412221

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2317972	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	70.5	60.6	P/P	30 - 160
2317972	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	89.0	79.8	P/P	30 - 160
2317972	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	93.9	108	P/P	30 - 160
2317972	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	40.2	33.5	P/P	30 - 160
2317972	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	93.9	82.4	P/P	30 - 160
2317972	Hexafluoropropylene oxide dimer acid (HFPO-DA)	113	93.8	P/P	30 - 160
2317972	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	72.4	75.7	P/P	30 - 160
2317972	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	87.6	97.1	P/P	30 - 160
2317972	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	108	114	P/P	30 - 160
2317972	Perfluoro-1-octane sulfonamide (FOSA)	91.1	90.0	P/P	30 - 160
2317972	Perfluoro-3-methoxypropanoic acid (PFMPA)	110	108	P/P	30 - 160
2317972	Perfluoro-4-methoxybutanoic acid (PFMBA)	148	144	P/P	30 - 160
2317972	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	112	132	P/P	30 - 160
2317972	Perfluorodecanesulfonic acid (PFDS)	69.2	59.8	P/P	30 - 160
2317972	Perfluorodecanoic acid (PFDA)	106	110	P/P	30 - 160
2317972	Perfluorododecanoic acid (PFDoA)	97.7	118	P/P	30 - 160
2317972	Perfluorononanesulfonic acid (PFNS)	81.4	79.8	P/P	30 - 160
2317972	Perfluorotetradecanoic acid (PFTeA)	100	107	P/P	30 - 160
2317972	Perfluorotridecanoic acid (PFTriA)	84.2	105	P/P	30 - 160
2317972	Perfluoroundecanoic acid (PFUnA)	100	89.7	P/P	30 - 160

Reference Method: EPA 8260D
Batch ID: P412273

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2317615	1,1-Dichloroethane	99.0		P	70 - 130
2317615	1,1-Dichloroethene	81.7		P	70 - 130
2317615	1,1,1-Trichloroethane	91.9		P	70 - 130
2317615	1,1,2-Trichloroethane	82.5		P	70 - 130
2317615	1,1,2,2-Tetrachloroethane	79.3		P	60 - 140
2317615	1,2-Dichlorobenzene	85.7		P	70 - 130
2317615	1,2-Dichloroethane	91.2		P	70 - 130
2317615	1,2-Dichloropropane	95.1		P	70 - 130
2317615	1,3-Dichlorobenzene	86.4		P	70 - 130
2317615	1,4-Dichlorobenzene	84.0		P	70 - 130
2317615	2-Butanone	87.6		P	60 - 140
2317615	Benzene	94.4		P	70 - 130
2317615	Bromodichloromethane	95.9		P	70 - 130
2317615	Bromoform	87.2		P	60 - 140
2317615	Bromomethane	94.0		P	60 - 140
2317615	Carbon tetrachloride	96.0		P	70 - 130
2317615	Chlorobenzene	92.2		P	70 - 130
2317615	Chloroethane	88.4		P	60 - 140
2317615	Chloroform	96.4		P	70 - 130

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8260D
Batch ID: P412273

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2317615	Chloromethane	73.6		P	60 - 140
2317615	cis-1,2-Dichloroethene	91.9		P	70 - 130
2317615	cis-1,3-Dichloropropene	96.2		P	60 - 140
2317615	Dibromochloromethane	93.0		P	60 - 140
2317615	Ethylbenzene	90.2		P	70 - 130
2317615	m,p-Xylene	91.1		P	70 - 130
2317615	Methyl-t-butyl ether	92.3		P	60 - 140
2317615	Methylene chloride	91.2		P	70 - 130
2317615	o-Xylene	91.8		P	70 - 130
2317615	Tetrachloroethene	89.2		P	70 - 130
2317615	Toluene	97.2		P	70 - 130
2317615	trans-1,2-Dichloroethene	87.2		P	70 - 130
2317615	trans-1,3-Dichloropropene	83.9		P	60 - 140
2317615	Trichloroethene	96.2		P	70 - 130
2317615	Trichlorofluoromethane	96.7		P	60 - 140
2317615	Vinyl chloride	101		P	60 - 140

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P412152

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2317963	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.636	Spike	P	0 - 30
2317963	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	28.9	Spike	P	0 - 30
2317963	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	8.16	Spike	P	0 - 30
2317963	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	15.1	Spike	P	0 - 30
2317963	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.73	Spike	P	0 - 30
2317963	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	18.2	Spike	P	0 - 30
2317963	Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.19	Spike	P	0 - 30
2317963	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.50	Spike	P	0 - 30
2317963	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.55	Spike	P	0 - 30
2317963	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	21.3	Spike	P	0 - 30
2317963	Perfluoro-1-butane sulfonamide (FBSA)	16.6	Spike	P	0 - 30
2317963	Perfluoro-1-hexane sulfonamide (FHxSA)	22.4	Spike	P	0 - 30
2317963	Perfluoro-1-octane sulfonamide (FOSA)	21.9	Spike	P	0 - 30
2317963	Perfluoro-3-methoxypropanoic acid (PFMPA)	17.6	Spike	P	0 - 30
2317963	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	16.8	Spike	P	0 - 30
2317963	Perfluoro-4-methoxybutanoic acid (PFMBA)	38.6	Spike	F	0 - 30
2317963	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.14	Spike	P	0 - 30
2317963	Perfluorobutanesulfonic acid (PFBS)	10.7	Spike	P	0 - 30
2317963	Perfluorobutanoic acid (PFBA)	2.76	Spike	P	0 - 30
2317963	Perfluorodecanesulfonic acid (PFDS)	13.4	Spike	P	0 - 30
2317963	Perfluorodecanoic acid (PFDA)	12.9	Spike	P	0 - 30
2317963	Perfluorododecanoic acid (PFDoA)	5.16	Spike	P	0 - 30
2317963	Perfluoroheptanesulfonic acid (PFHpS)	10.9	Spike	P	0 - 30
2317963	Perfluoroheptanoic acid (PFHpA)	15.6	Spike	P	0 - 30
2317963	Perfluorohexanesulfonic acid (PFHxS)	2.87	Spike	P	0 - 30
2317963	Perfluorohexanoic acid (PFHxA)	6.56	Spike	P	0 - 30
2317963	Perfluorononanesulfonic acid (PFNS)	1.10	Spike	P	0 - 30
2317963	Perfluorononanoic acid (PFNA)	8.39	Spike	P	0 - 30
2317963	Perfluorooctanesulfonic acid (PFOS)	1.04	Spike	P	0 - 30
2317963	Perfluorooctanoic acid (PFOA)	5.08	Spike	P	0 - 30
2317963	Perfluoropentanesulfonic acid (PFPeS)	10.4	Spike	P	0 - 30
2317963	Perfluoropentanoic acid (PFPeA)	19.5	Spike	P	0 - 30
2317963	Perfluoropropanesulfonic acid (PFPrS)	0.567	Spike	P	0 - 30
2317963	Perfluorotetradecanoic acid (PFTeA)	5.53	Spike	P	0 - 30
2317963	Perfluorotridecanoic acid (PFTriA)	23.4	Spike	P	0 - 30
2317963	Perfluoroundecanoic acid (PFUnA)	11.8	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3
Batch ID: P412184

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2317932	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	6.45	Spike	P	0 - 30
2317932	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	22.6	Spike	P	0 - 30
2317932	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	15.0	Spike	P	0 - 30
2317932	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	5.35	Spike	P	0 - 30
2317932	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.14	Spike	P	0 - 30
2317932	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.45	Spike	P	0 - 30
2317932	Hexafluoropropylene oxide dimer acid (HFPO-DA)	18.6	Spike	P	0 - 30
2317932	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	8.90	Spike	P	0 - 30
2317932	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	7.41	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P412184

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2317932	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.02	Spike	P	0 - 30
2317932	Perfluoro-1-butane sulfonamide (FBSA)	10.1	Spike	P	0 - 30
2317932	Perfluoro-1-hexane sulfonamide (FHxSA)	10.5	Spike	P	0 - 30
2317932	Perfluoro-1-octane sulfonamide (FOSA)	11.0	Spike	P	0 - 30
2317932	Perfluoro-3-methoxypropanoic acid (PFMPA)	19.5	Spike	P	0 - 30
2317932	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	18.5	Spike	P	0 - 30
2317932	Perfluoro-4-methoxybutanoic acid (PFMBA)	19.5	Spike	P	0 - 30
2317932	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	38.8	Spike	F	0 - 30
2317932	Perfluorobutanesulfonic acid (PFBS)	16.9	Spike	P	0 - 30
2317932	Perfluorobutanoic acid (PFBA)	6.86	Spike	P	0 - 30
2317932	Perfluorodecanesulfonic acid (PFDS)	2.01	Spike	P	0 - 30
2317932	Perfluorodecanoic acid (PFDA)	5.19	Spike	P	0 - 30
2317932	Perfluorododecanoic acid (PFDoA)	4.20	Spike	P	0 - 30
2317932	Perfluoroheptanesulfonic acid (PFHpS)	16.4	Spike	P	0 - 30
2317932	Perfluoroheptanoic acid (PFHpA)	21.7	Spike	P	0 - 30
2317932	Perfluorohexanesulfonic acid (PFHxS)	12.0	Spike	P	0 - 30
2317932	Perfluorohexanoic acid (PFHxA)	21.5	Spike	P	0 - 30
2317932	Perfluorononanesulfonic acid (PFNS)	11.9	Spike	P	0 - 30
2317932	Perfluorononanoic acid (PFNA)	12.5	Spike	P	0 - 30
2317932	Perfluorooctanesulfonic acid (PFOS)	5.65	Spike	P	0 - 30
2317932	Perfluorooctanoic acid (PFOA)	3.94	Spike	P	0 - 30
2317932	Perfluoropentanesulfonic acid (PFPeS)	4.57	Spike	P	0 - 30
2317932	Perfluoropentanoic acid (PFPeA)	2.00	Spike	P	0 - 30
2317932	Perfluoropropanesulfonic acid (PFPrS)	11.0	Spike	P	0 - 30
2317932	Perfluorotetradecanoic acid (PFTeA)	25.1	Spike	P	0 - 30
2317932	Perfluorotridecanoic acid (PFTriA)	7.84	Spike	P	0 - 30
2317932	Perfluoroundecanoic acid (PFUnA)	3.45	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3
Batch ID: P412221

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2317972	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	15.0	Spike	P	0 - 30
2317972	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	10.8	Spike	P	0 - 30
2317972	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	8.42	Spike	P	0 - 30
2317972	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	18.1	Spike	P	0 - 30
2317972	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	13.1	Spike	P	0 - 30
2317972	Hexafluoropropylene oxide dimer acid (HFPO-DA)	18.3	Spike	P	0 - 30
2317972	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.48	Spike	P	0 - 30
2317972	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	10.2	Spike	P	0 - 30
2317972	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.31	Spike	P	0 - 30
2317972	Perfluoro-1-butane sulfonamide (FBSA)	8.96	Spike	P	0 - 30
2317972	Perfluoro-1-hexane sulfonamide (FHxSA)	4.73	Spike	P	0 - 30
2317972	Perfluoro-1-octane sulfonamide (FOSA)	1.24	Spike	P	0 - 30
2317972	Perfluoro-3-methoxypropanoic acid (PFMPA)	1.59	Spike	P	0 - 30
2317972	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	10.8	Spike	P	0 - 30
2317972	Perfluoro-4-methoxybutanoic acid (PFMBA)	3.27	Spike	P	0 - 30
2317972	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	16.5	Spike	P	0 - 30
2317972	Perfluorobutanesulfonic acid (PFBS)	17.9	Spike	P	0 - 30
2317972	Perfluorobutanoic acid (PFBA)	1.81	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P412221

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2317972	Perfluorodecanesulfonic acid (PFDS)	14.5	Spike	P	0 - 30
2317972	Perfluorodecanoic acid (PFDA)	4.20	Spike	P	0 - 30
2317972	Perfluorododecanoic acid (PFDoA)	18.8	Spike	P	0 - 30
2317972	Perfluoroheptanesulfonic acid (PFHpS)	4.04	Spike	P	0 - 30
2317972	Perfluoroheptanoic acid (PFHpA)	46.6	Spike	F	0 - 30
2317972	Perfluorohexanesulfonic acid (PFHxS)	9.75	Spike	P	0 - 30
2317972	Perfluorohexanoic acid (PFHxA)	15.6	Spike	P	0 - 30
2317972	Perfluorononanesulfonic acid (PFNS)	1.97	Spike	P	0 - 30
2317972	Perfluorononanoic acid (PFNA)	4.95	Spike	P	0 - 30
2317972	Perfluorooctanoic acid (PFOA)	3.21	Spike	P	0 - 30
2317972	Perfluoropentanesulfonic acid (PFPeS)	15.0	Spike	P	0 - 30
2317972	Perfluoropentanoic acid (PFPeA)	9.44	Spike	P	0 - 30
2317972	Perfluoropropanesulfonic acid (PFPrS)	26.4	Spike	P	0 - 30
2317972	Perfluorotetradecanoic acid (PFTeA)	6.12	Spike	P	0 - 30
2317972	Perfluorotridecanoic acid (PFTriA)	21.5	Spike	P	0 - 30
2317972	Perfluoroundecanoic acid (PFUnA)	11.2	Spike	P	0 - 30

Reference Method: EPA 8260D
Batch ID: P412273

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	1,1-Dichloroethane	1.02	LCS	P	0 - 30
LFB	1,1-Dichloroethene	0.295	LCS	P	0 - 30
LFB	1,1,1-Trichloroethane	1.25	LCS	P	0 - 30
LFB	1,1,2-Trichloroethane	0.520	LCS	P	0 - 30
LFB	1,1,2,2-Tetrachloroethane	1.07	LCS	P	0 - 30
LFB	1,2-Dichlorobenzene	1.87	LCS	P	0 - 30
LFB	1,2-Dichloroethane	0.461	LCS	P	0 - 30
LFB	1,2-Dichloropropane	0.655	LCS	P	0 - 30
LFB	1,3-Dichlorobenzene	2.01	LCS	P	0 - 30
LFB	1,4-Dichlorobenzene	1.99	LCS	P	0 - 30
LFB	2-Butanone	1.52	LCS	P	0 - 40
LFB	Benzene	0.409	LCS	P	0 - 30
LFB	Bromodichloromethane	0.149	LCS	P	0 - 30
LFB	Bromoform	0.601	LCS	P	0 - 30
LFB	Bromomethane	2.15	LCS	P	0 - 40
LFB	Carbon tetrachloride	1.59	LCS	P	0 - 30
LFB	Chlorobenzene	0.840	LCS	P	0 - 30
LFB	Chloroethane	0.115	LCS	P	0 - 40
LFB	Chloroform	0.890	LCS	P	0 - 30
LFB	Chloromethane	0.560	LCS	P	0 - 40
LFB	cis-1,2-Dichloroethene	0.313	LCS	P	0 - 30
LFB	cis-1,3-Dichloropropene	0.149	LCS	P	0 - 30
LFB	Dibromochloromethane	0.409	LCS	P	0 - 30
LFB	Ethylbenzene	1.13	LCS	P	0 - 30
LFB	m,p-Xylene	1.36	LCS	P	0 - 30
LFB	Methyl-t-butyl ether	2.05	LCS	P	0 - 30
LFB	Methylene chloride	0.722	LCS	P	0 - 30
LFB	o-Xylene	1.27	LCS	P	0 - 30
LFB	Tetrachloroethene	1.54	LCS	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8260D
Batch ID: P412273

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Toluene	0.939	LCS	P	0 - 30
LFB	trans-1,2-Dichloroethene	0.663	LCS	P	0 - 30
LFB	trans-1,3-Dichloropropene	0.458	LCS	P	0 - 30
LFB	Trichloroethene	0.545	LCS	P	0 - 30
LFB	Trichlorofluoromethane	1.71	LCS	P	0 - 40
LFB	Vinyl chloride	1.44	LCS	P	0 - 40

Reference Method: EPA 8270E
Batch ID: P412199

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	1-Methylnaphthalene	8.46	LCS	P	0 - 40
LFB	1-Naphthylamine	31.2	LCS	P	0 - 40
LFB	1,2,4-Trichlorobenzene	13.4	LCS	P	0 - 40
LFB	1,2,4,5-Tetrachlorobenzene	15.7	LCS	P	0 - 40
LFB	1,3-Dinitrobenzene	7.55	LCS	P	0 - 40
LFB	1,3,5-Trinitrobenzene	4.54	LCS	P	0 - 40
LFB	2-Acetylaminofluorene	5.96	LCS	P	0 - 40
LFB	2-Chloronaphthalene	7.99	LCS	P	0 - 40
LFB	2-Chlorophenol	10.7	LCS	P	0 - 40
LFB	2-Methyl-4,6-dinitrophenol	7.53	LCS	P	0 - 40
LFB	2-Methylnaphthalene	9.51	LCS	P	0 - 40
LFB	2-Naphthylamine	24.8	LCS	P	0 - 40
LFB	2-Nitroaniline	3.53	LCS	P	0 - 40
LFB	2-Nitrophenol	14.3	LCS	P	0 - 40
LFB	2-Picoline	1.13	LCS	P	0 - 40
LFB	2,3,4,6-Tetrachlorophenol	7.94	LCS	P	0 - 40
LFB	2,4-Dichlorophenol	13.9	LCS	P	0 - 40
LFB	2,4-Dimethylphenol	8.67	LCS	P	0 - 40
LFB	2,4-Dinitrophenol	11.4	LCS	P	0 - 40
LFB	2,4-Dinitrotoluene	0.189	LCS	P	0 - 40
LFB	2,4,5-Trichlorophenol	4.38	LCS	P	0 - 40
LFB	2,4,6-Trichlorophenol	4.64	LCS	P	0 - 40
LFB	2,6-Dichlorophenol	14.7	LCS	P	0 - 40
LFB	2,6-Dinitrotoluene	3.51	LCS	P	0 - 40
LFB	3-Methylcholanthrene	4.78	LCS	P	0 - 40
LFB	3,3'-Dichlorobenzidine	1.22	LCS	P	0 - 40
LFB	4-Aminobiphenyl	14.3	LCS	P	0 - 40
LFB	4-Bromophenyl phenyl ether	5.15	LCS	P	0 - 40
LFB	4-Chloro-3-methylphenol	7.51	LCS	P	0 - 40
LFB	4-Chlorophenyl phenyl ether	1.67	LCS	P	0 - 40
LFB	4-Nitrophenol	4.14	LCS	P	0 - 40
LFB	5-Nitro-o-toluidine	10.5	LCS	P	0 - 40
LFB	7,12-Dimethylbenz(a)anthracene	6.16	LCS	P	0 - 40
LFB	Acenaphthene	5.35	LCS	P	0 - 40
LFB	Acenaphthylene	5.46	LCS	P	0 - 40
LFB	Acetophenone	2.08	LCS	P	0 - 40
LFB	Aniline	10.6	LCS	P	0 - 40
LFB	Anthracene	3.57	LCS	P	0 - 40
LFB	Azobenzene/1,2-Diphenylhydrazine	5.44	LCS	P	0 - 40

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P412199

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Benzidine	8.17	LCS	P	0 - 40
LFB	Benzo(a)anthracene	2.19	LCS	P	0 - 40
LFB	Benzo(a)pyrene	0.709	LCS	P	0 - 40
LFB	Benzo(b)fluoranthene	1.81	LCS	P	0 - 40
LFB	Benzo(g,h,i)perylene	2.14	LCS	P	0 - 40
LFB	Benzo(k)fluoranthene	2.73	LCS	P	0 - 40
LFB	Benzyl alcohol	8.58	LCS	P	0 - 40
LFB	Bis(2-chloroethoxy)methane	13.1	LCS	P	0 - 40
LFB	Bis(2-chloroethyl)ether	10.5	LCS	P	0 - 40
LFB	Bis(2-chloroisopropyl)ether	13.3	LCS	P	0 - 40
LFB	Bis(2-ethylhexyl)phthalate	8.67	LCS	P	0 - 40
LFB	Butyl benzyl phthalate	1.55	LCS	P	0 - 40
LFB	Carbazole	10.0	LCS	P	0 - 40
LFB	Chrysene	1.82	LCS	P	0 - 40
LFB	Di-n-butyl phthalate	3.93	LCS	P	0 - 40
LFB	Di-n-octyl phthalate	2.92	LCS	P	0 - 40
LFB	Dibenzo(a,h)anthracene	4.47	LCS	P	0 - 40
LFB	Dibenzofuran	4.94	LCS	P	0 - 40
LFB	Diethyl phthalate	1.72	LCS	P	0 - 40
LFB	Dimethyl phthalate	1.34	LCS	P	0 - 40
LFB	Dimethylaminoazobenzene	2.90	LCS	P	0 - 40
LFB	Dinoseb	0.934	LCS	P	0 - 40
LFB	Ethyl methanesulfonate	1.14	LCS	P	0 - 40
LFB	Fluoranthene	2.50	LCS	P	0 - 40
LFB	Fluorene	2.70	LCS	P	0 - 40
LFB	Hexachlorobenzene	4.25	LCS	P	0 - 40
LFB	Hexachlorobutadiene	13.3	LCS	P	0 - 40
LFB	Hexachlorocyclopentadiene	10.1	LCS	P	0 - 40
LFB	Hexachloroethane	12.4	LCS	P	0 - 40
LFB	Hexachloropropene	16.6	LCS	P	0 - 40
LFB	Indeno(1,2,3-cd)pyrene	2.98	LCS	P	0 - 40
LFB	Isophorone	12.2	LCS	P	0 - 40
LFB	Isosafrole	12.8	LCS	P	0 - 40
LFB	m,p-Cresols	7.35	LCS	P	0 - 40
LFB	N-Nitrosodi-n-butylamine	11.9	LCS	P	0 - 40
LFB	N-Nitrosodi-n-propylamine	9.39	LCS	P	0 - 40
LFB	N-Nitrosodiethylamine	0.704	LCS	P	0 - 40
LFB	N-Nitrosodimethylamine	9.71	LCS	P	0 - 40
LFB	N-Nitrosomethylethylamine	2.79	LCS	P	0 - 40
LFB	N-Nitrosomorpholine	0.583	LCS	P	0 - 40
LFB	N-Nitrosopiperidine	1.45	LCS	P	0 - 40
LFB	N-Nitrosopyrrolidine	1.51	LCS	P	0 - 40
LFB	Naphthalene	12.7	LCS	P	0 - 40
LFB	Nitrobenzene	13.2	LCS	P	0 - 40
LFB	o-Cresol	9.10	LCS	P	0 - 40
LFB	o-Toluidine	1.00	LCS	P	0 - 40
LFB	Pentachlorobenzene	14.2	LCS	P	0 - 40
LFB	Pentachloroethane	3.46	LCS	P	0 - 40
LFB	Pentachloronitrobenzene	2.80	LCS	P	0 - 40
LFB	Pentachlorophenol	4.88	LCS	P	0 - 40
LFB	Phenacetin	1.47	LCS	P	0 - 40

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P412199

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Phenanthrene	4.94	LCS	P	0 - 40
LFB	Phenol	2.17	LCS	P	0 - 40
LFB	Pyrene	1.63	LCS	P	0 - 40
LFB	Pyridine	0.510	LCS	P	0 - 40
LFB	Safrole	14.9	LCS	P	0 - 40

Reference Method: FL-PRO 2018
Batch ID: P412337

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	TRPH	11.9	LCS	P	0 - 20

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report
Surrogates

Lab Sample ID: 2317913
Field Sample ID: FSCT-TMW-25R

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	46.2	P	30 - 150
EPA 8270E	2-Fluorophenol	38.9	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	45.0	P	30 - 150
EPA 8270E	Nitrobenzene-d5	53.3	P	30 - 150
EPA 8270E	Phenol-d5	34.7	P	20 - 150
EPA 8270E	Terphenyl-d14	50.5	P	30 - 150

Lab Sample ID: 2317914
Field Sample ID: FSCT-TMW-35

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	53.0	P	30 - 150
EPA 8270E	2-Fluorophenol	39.8	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	51.4	P	30 - 150
EPA 8270E	Nitrobenzene-d5	62.3	P	30 - 150
EPA 8270E	Phenol-d5	35.6	P	20 - 150
EPA 8270E	Terphenyl-d14	60.7	P	30 - 150

Lab Sample ID: 2317915
Field Sample ID: FSCT-TMW-115

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	52.7	P	30 - 150
EPA 8270E	2-Fluorophenol	40.2	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	49.3	P	30 - 150
EPA 8270E	Nitrobenzene-d5	63.8	P	30 - 150
EPA 8270E	Phenol-d5	36.4	P	20 - 150
EPA 8270E	Terphenyl-d14	59.1	P	30 - 150

Lab Sample ID: 2317916
Field Sample ID: FSCT-TMW-125

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	48.2	P	30 - 150
EPA 8270E	2-Fluorophenol	37.6	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	50.0	P	30 - 150
EPA 8270E	Nitrobenzene-d5	57.4	P	30 - 150
EPA 8270E	Phenol-d5	32.7	P	20 - 150
EPA 8270E	Terphenyl-d14	60.0	P	30 - 150

Lab Sample ID: 2317917
Field Sample ID: FSCT-TMW-25R

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
FL-PRO 2018	Nonatriacontane(C39)	69.9	P	40 - 120
FL-PRO 2018	o-Terphenyl	77.3	P	66 - 137

Lab Sample ID: 2317918
Field Sample ID: FSCT-TMW-35

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
FL-PRO 2018	Nonatriacontane(C39)	72.3	P	40 - 120

Quality Assurance Report
Surrogates

Lab Sample ID: 2317918
Field Sample ID: FSCT-TMW-35

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
FL-PRO 2018	o-Terphenyl	80.5	P	66 - 137

Lab Sample ID: 2317919
Field Sample ID: FSCT-TMW-115

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
FL-PRO 2018	Nonatriacontane(C39)	77.2	P	40 - 120
FL-PRO 2018	o-Terphenyl	85.4	P	66 - 137

Lab Sample ID: 2317920
Field Sample ID: FSCT-TMW-125

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
FL-PRO 2018	Nonatriacontane(C39)	85.4	P	40 - 120
FL-PRO 2018	o-Terphenyl	91.7	P	66 - 137

Lab Sample ID: 2317921
Field Sample ID: FSCT-TMW-15

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	Perfluorobutanesulfonate-13C	144	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	41.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	104	P	30 - 160

Lab Sample ID: 2317922
Field Sample ID: FSCT-TMW-25R

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	125	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	72.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	152	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2317923
Field Sample ID: FSCT-TMW-35

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	136	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	155	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	70.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	155	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	129	P	30 - 160

Lab Sample ID: 2317924
Field Sample ID: FSCT-TMW-45R

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	75.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	99.0	P	30 - 160

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Lab Sample ID: 2317924
Field Sample ID: FSCT-TMW-45R

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	79.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	97.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.4	P	30 - 160

Lab Sample ID: 2317925
Field Sample ID: FSCT-TMW-75R

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	95.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	122	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	91.3	P	30 - 160

Lab Sample ID: 2317926
Field Sample ID: FSCT-TMW-85

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	Perfluorobutanesulfonate-13C	95.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	86.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	119	P	30 - 160

Lab Sample ID: 2317927
Field Sample ID: FSCT-TMW-95

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	Perfluorobutanesulfonate-13C	95.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	82.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	93.6	P	30 - 160

Lab Sample ID: 2317928
Field Sample ID: FSCT-TMW-105

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	53.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	95.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	96.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	94.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	70.0	P	30 - 160

Lab Sample ID: 2317929
Field Sample ID: FSCT-TMW-115

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	99.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	148	P	30 - 160

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Lab Sample ID: 2317929
Field Sample ID: FSCT-TMW-115

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	128	P	30 - 160

Lab Sample ID: 2317930
Field Sample ID: FSCT-TMW-125

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	74.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	145	P	30 - 160

Lab Sample ID: 2317931
Field Sample ID: FSCT-TMW-135

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	137	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	160	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	111	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	135	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	143	P	30 - 160

Lab Sample ID: 2317932
Field Sample ID: FSCT-TMW-155

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	133	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	97.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	135	P	30 - 160

Lab Sample ID: 2317933
Field Sample ID: FSCT-TMW-25R

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	109	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	104	P	70 - 130
EPA 8260D	Dibromofluoromethane	105	P	70 - 130
EPA 8260D	Toluene-d8	96.2	P	70 - 130

Lab Sample ID: 2317934
Field Sample ID: FSCT-TMW-35

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	109	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	105	P	70 - 130
EPA 8260D	Dibromofluoromethane	104	P	70 - 130
EPA 8260D	Toluene-d8	95.6	P	70 - 130

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Lab Sample ID: 2317935
Field Sample ID: FSCT-TMW-115

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	107	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	104	P	70 - 130
EPA 8260D	Dibromofluoromethane	104	P	70 - 130
EPA 8260D	Toluene-d8	95.8	P	70 - 130

Lab Sample ID: 2317936
Field Sample ID: FSCT-TMW-125

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	109	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	106	P	70 - 130
EPA 8260D	Dibromofluoromethane	107	P	70 - 130
EPA 8260D	Toluene-d8	97.2	P	70 - 130

Lab Sample ID: 2317953
Field Sample ID: FSCJ-TMW-175

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	50.3	P	30 - 150
EPA 8270E	2-Fluorophenol	38.0	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	45.9	P	30 - 150
EPA 8270E	Nitrobenzene-d5	57.5	P	30 - 150
EPA 8270E	Phenol-d5	33.1	P	20 - 150
EPA 8270E	Terphenyl-d14	60.4	P	30 - 150

Lab Sample ID: 2317955
Field Sample ID: DEPMW-25

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	50.5	P	30 - 150
EPA 8270E	2-Fluorophenol	36.7	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	44.2	P	30 - 150
EPA 8270E	Nitrobenzene-d5	56.9	P	30 - 150
EPA 8270E	Phenol-d5	32.7	P	20 - 150
EPA 8270E	Terphenyl-d14	56.6	P	30 - 150

Lab Sample ID: 2317956
Field Sample ID: DEPMW-85

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	53.2	P	30 - 150
EPA 8270E	2-Fluorophenol	39.6	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	48.7	P	30 - 150
EPA 8270E	Nitrobenzene-d5	60.6	P	30 - 150
EPA 8270E	Phenol-d5	35.2	P	20 - 150
EPA 8270E	Terphenyl-d14	59.1	P	30 - 150

Lab Sample ID: 2317957
Field Sample ID: FSCJ-TMW-2D

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	39.6	P	30 - 150

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Lab Sample ID: 2317957
Field Sample ID: FSCJ-TMW-2D

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorophenol	30.3	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	42.0	P	30 - 150
EPA 8270E	Nitrobenzene-d5	44.3	P	30 - 150
EPA 8270E	Phenol-d5	26.9	P	20 - 150
EPA 8270E	Terphenyl-d14	55.2	P	30 - 150

Lab Sample ID: 2317958
Field Sample ID: FSCJ-TMW-175

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
FL-PRO 2018	Nonatriacontane(C39)	79.9	P	40 - 120
FL-PRO 2018	o-Terphenyl	83.1	P	66 - 137

Lab Sample ID: 2317960
Field Sample ID: DEPMW-25

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
FL-PRO 2018	Nonatriacontane(C39)	67.4	P	40 - 120
FL-PRO 2018	o-Terphenyl	80.8	P	66 - 137

Lab Sample ID: 2317961
Field Sample ID: DEPMW-85

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
FL-PRO 2018	Nonatriacontane(C39)	79.0	P	40 - 120
FL-PRO 2018	o-Terphenyl	82.8	P	66 - 137

Lab Sample ID: 2317962
Field Sample ID: FSCJ-TMW-2D

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
FL-PRO 2018	Nonatriacontane(C39)	80.9	P	40 - 120
FL-PRO 2018	o-Terphenyl	76.5	P	66 - 137

Lab Sample ID: 2317963
Field Sample ID: FSCJ-TMW-165

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	155	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	150	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	78.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	156	P	30 - 160

Lab Sample ID: 2317964
Field Sample ID: FSCJ-TMW-175

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	137	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	155	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	107	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	128	P	30 - 160

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Lab Sample ID: 2317964
Field Sample ID: FSCJ-TMW-175

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	158	P	30 - 160

Lab Sample ID: 2317965
Field Sample ID: FSCJ-TMW-185

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	130	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	87.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	160	P	30 - 160

Lab Sample ID: 2317966
Field Sample ID: FSCJ-TMW-205

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	78.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	77.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	96.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	115	P	30 - 160

Lab Sample ID: 2317967
Field Sample ID: DEPMW-25

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	Perfluorobutanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	90.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	136	P	30 - 160

Lab Sample ID: 2317968
Field Sample ID: DEPMW-55

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	145	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	125	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	152	P	30 - 160

Lab Sample ID: 2317969
Field Sample ID: DEPMW-85

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	Perfluorobutanesulfonate-13C	158	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	127	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	138	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	145	P	30 - 160

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Lab Sample ID: 2317970
Field Sample ID: FSCJ-TMW-2D

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	Perfluorobutanesulfonate-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	97.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	115	P	30 - 160

Lab Sample ID: 2317971
Field Sample ID: FSCJ-TMW-4DR

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	85.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	93.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	89.1	P	30 - 160

Lab Sample ID: 2317972
Field Sample ID: DEPMW-1D

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	133	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	87.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	94.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	53.9	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	145	P	30 - 160

Lab Sample ID: 2317973
Field Sample ID: DEPMW-2D

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	Perfluorobutanesulfonate-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	115	P	30 - 160

Lab Sample ID: 2317974
Field Sample ID: Dup_FSCT-TMW-45R

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	50.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	86.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	80.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	118	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.7	P	30 - 160

Lab Sample ID: 2317975
Field Sample ID: FSCJ-TMW-175

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	110	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	104	P	70 - 130

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Lab Sample ID: 2317975
Field Sample ID: FSCJ-TMW-175

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	Dibromofluoromethane	106	P	70 - 130
EPA 8260D	Toluene-d8	96.2	P	70 - 130

Lab Sample ID: 2317977
Field Sample ID: DEPMW-25

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	111	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	106	P	70 - 130
EPA 8260D	Dibromofluoromethane	109	P	70 - 130
EPA 8260D	Toluene-d8	96.4	P	70 - 130

Lab Sample ID: 2317978
Field Sample ID: DEPMW-85

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	110	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	105	P	70 - 130
EPA 8260D	Dibromofluoromethane	108	P	70 - 130
EPA 8260D	Toluene-d8	94.0	P	70 - 130

Lab Sample ID: 2317979
Field Sample ID: FSCJ-TMW-2D

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	112	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	104	P	70 - 130
EPA 8260D	Dibromofluoromethane	109	P	70 - 130
EPA 8260D	Toluene-d8	95.0	P	70 - 130

Lab Sample ID: 2317997
Field Sample ID: EQB-PP-2

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	52.7	P	30 - 150
EPA 8270E	2-Fluorophenol	38.8	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	46.8	P	30 - 150
EPA 8270E	Nitrobenzene-d5	58.5	P	30 - 150
EPA 8270E	Phenol-d5	34.3	P	20 - 150
EPA 8270E	Terphenyl-d14	60.6	P	30 - 150

Lab Sample ID: 2317998
Field Sample ID: EQB-PP-2

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
FL-PRO 2018	Nonatriacontane(C39)	74.1	P	40 - 120
FL-PRO 2018	o-Terphenyl	84.6	P	66 - 137

Lab Sample ID: 2317999
Field Sample ID: Dup_FSCJ-TMW-135

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits

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Lab Sample ID: 2317999
Field Sample ID: Dup_FSCJ-TMW-135

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	Perfluorobutanesulfonate-13C	155	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	96.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	138	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	126	P	30 - 160

Lab Sample ID: 2318000
Field Sample ID: Dup_FSCJ-TMW-185

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	132	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	88.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	88.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	130	P	30 - 160

Lab Sample ID: 2318001
Field Sample ID: Dup_DEPMW-85

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	132	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	155	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	105	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	154	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	130	P	30 - 160

Lab Sample ID: 2318002
Field Sample ID: EQB-PP-1

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	92.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	88.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	122	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	98.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.7	P	30 - 160

Lab Sample ID: 2318003
Field Sample ID: EQB-PP-2

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	Perfluorobutanesulfonate-13C	89.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	84.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	103	P	30 - 160

Lab Sample ID: 2318004
Field Sample ID: FRB_FSCJ-TMW-85

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	95.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	84.5	P	30 - 160

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Surrogates

Lab Sample ID: 2318004
Field Sample ID: FRB_FSCJ-TMW-85

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	79.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	94.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	84.8	P	30 - 160

Lab Sample ID: 2318005
Field Sample ID: EQB-PP-2

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	113	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	108	P	70 - 130
EPA 8260D	Dibromofluoromethane	105	P	70 - 130
EPA 8260D	Toluene-d8	94.8	P	70 - 130

Lab Sample ID: 2318006
Field Sample ID: Trip Blank

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	113	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	107	P	70 - 130
EPA 8260D	Dibromofluoromethane	108	P	70 - 130
EPA 8260D	Toluene-d8	96.2	P	70 - 130

Lab Sample ID: 2318015
Field Sample ID: FSCJ-TMW-185

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	2-Fluorobiphenyl	52.3	P	30 - 150
EPA 8270E	2-Fluorophenol	37.9	P	20 - 150
EPA 8270E	2,4,6-Tribromophenol	50.4	P	30 - 150
EPA 8270E	Nitrobenzene-d5	57.3	P	30 - 150
EPA 8270E	Phenol-d5	33.5	P	20 - 150
EPA 8270E	Terphenyl-d14	65.6	P	30 - 150

Lab Sample ID: 2318016
Field Sample ID: FSCJ-TMW-185

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
FL-PRO 2018	Nonatriacontane(C39)	70.2	P	40 - 120
FL-PRO 2018	o-Terphenyl	75.9	P	66 - 137

Lab Sample ID: 2318017
Field Sample ID: FSCJ-TMW-185

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8260D	1,2-Dichloroethane-d4	112	P	70 - 130
EPA 8260D	1,4-Dichlorobenzene-d4	103	P	70 - 130
EPA 8260D	Dibromofluoromethane	106	P	70 - 130
EPA 8260D	Toluene-d8	96.0	P	70 - 130

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8260D
Run ID: A111442
Included Lab Sample IDs: 2317933, 2317934, 2317935, 2317936, 2317975, 2317977, 2317978, 2317979, 2318005, 2318006, 2318017

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1,1-Dichloroethane	91.8		P	80 - 120
1,1-Dichloroethene	89.0		P	80 - 120
1,1,1-Trichloroethane	92.2		P	80 - 120
1,1,2-Trichloroethane	83.9		P	80 - 120
1,1,2,2-Tetrachloroethane	79.5*		F	80 - 120
1,2-Dichlorobenzene	82.3		P	80 - 120
1,2-Dichloroethane	95.2		P	80 - 120
1,2-Dichloropropane	92.9		P	80 - 120
1,3-Dichlorobenzene	81.5		P	80 - 120
1,4-Dichlorobenzene	80.0		P	80 - 120
2-Butanone	86.4		P	70 - 130
Benzene	90.8		P	80 - 120
Bromodichloromethane	93.5		P	80 - 120
Bromoform	85.6		P	80 - 120
Bromomethane	78.3		P	70 - 130
Carbon tetrachloride	95.0		P	80 - 120
Chlorobenzene	86.6		P	80 - 120
Chloroethane	86.2		P	70 - 130
Chloroform	93.9		P	80 - 120
Chloromethane	70.2		P	70 - 130
cis-1,2-Dichloroethene	91.1		P	80 - 120
cis-1,3-Dichloropropene	91.2		P	80 - 120
Dibromochloromethane	85.6		P	80 - 120
Ethylbenzene	86.4		P	80 - 120
m,p-Xylene	86.0		P	80 - 120
Methyl-t-butyl ether	99.0		P	80 - 120
Methylene chloride	90.4		P	80 - 120
o-Xylene	87.0		P	80 - 120
Tetrachloroethene	88.7		P	80 - 120
Toluene	94.6		P	80 - 120
trans-1,2-Dichloroethene	91.1		P	80 - 120
trans-1,3-Dichloropropene	84.2		P	80 - 120
Trichloroethene	92.8		P	80 - 120
Trichlorofluoromethane	91.7		P	70 - 130
Vinyl chloride	82.0		P	70 - 130

Reference Method: FL-PRO 2018
Run ID: A111542
Included Lab Sample IDs: 2317917, 2317918, 2317919, 2317920, 2317958, 2317960, 2317961, 2317962, 2317998, 2318016

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
TRPH	87.1	87.0	P/P	75 - 125

Reference Method: DEP SOP: LC-001-3
Run ID: A111629
Included Lab Sample IDs: 2317963

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	147	99.3	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	129	108	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	128	116	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A111629
Included Lab Sample IDs: 2317963

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	77.9	97.6	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	93.0	138	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	106	116	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	98.8	101	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	116	108	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	106	104	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	111	84.7	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	112	110	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	103	89.5	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	99.3	101	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	109	103	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	114	116	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	110	97.4	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	115	87.0	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	97.5	104	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	73.6	89.1	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	110	99.8	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A111663
Included Lab Sample IDs: 2317921, 2317922, 2317923, 2317924, 2317925, 2317926, 2317927, 2317928, 2317929, 2317930, 2317931, 2317932, 2317963, 2317964, 2317965, 2317966, 2317967, 2317968, 2317969, 2317970, 2317971, 2317972, 2317973, 2317974, 2317999, 2318000, 2318001, 2318002, 2318003, 2318004

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	100	99.3	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	112	96.8	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	115	95.0	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	94.8	112	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	95.0	95.2	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	96.8	100	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	99.1	115	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	105	96.1	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	105	80.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	109	138	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	138	97.7	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	73.7	108	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	80.2	113	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	80.8	109	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	87.7	73.7	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	96.1	80.2	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	101	79.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	107	93.7	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	146	95.6	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	79.3	120	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	95.0	101	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	95.6	107	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	100	94.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	108	90.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	120	108	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	127	97.1	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A111663

Included Lab Sample IDs: 2317921, 2317922, 2317923, 2317924, 2317925, 2317926, 2317927, 2317928, 2317929, 2317930, 2317931, 2317932, 2317963, 2317964, 2317965, 2317966, 2317967, 2317968, 2317969, 2317970, 2317971, 2317972, 2317973, 2317974, 2317999, 2318000, 2318001, 2318002, 2318003, 2318004

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	86.3	112	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	90.3	116	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	90.9	120	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	94.2	86.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	96.2	94.2	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	97.1	100	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	100	73.5	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	110	100	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	65.3	73.7	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	65.4	65.3	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	67.5	110	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	78.8	67.5	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	82.1	65.4	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	101	106	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	103	99.4	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	106	103	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	110	97.8	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	111	110	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	97.8	90.8	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	99.4	103	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	126	154	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	154	62.9	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	62.9	91.8	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	72.5	97.8	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	89.4	152	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	97.8	89.4	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	116	78.8	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	73.8	86.3	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	75.3	76.6	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	76.6	116	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	86.3	94.2	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	94.2	92.8	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	111	135	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	111	114	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	118	152	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	124	120	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	135	124	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	152	111	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	123	128	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	127	123	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	127	78.2	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	78.2	70.5	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	87.8	127	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	89.7	127	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	101	105	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	104	91.7	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	74.6	88.3	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	78.8	83.2	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	83.2	79.7	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A111663

Included Lab Sample IDs: 2317921, 2317922, 2317923, 2317924, 2317925, 2317926, 2317927, 2317928, 2317929, 2317930, 2317931, 2317932, 2317963, 2317964, 2317965, 2317966, 2317967, 2317968, 2317969, 2317970, 2317971, 2317972, 2317973, 2317974, 2317999, 2318000, 2318001, 2318002, 2318003, 2318004

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoro-1-butane sulfonamide (FBSA)	88.3	101	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	91.7	102	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	99.8	78.8	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	101	84.9	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	103	101	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	106	96.4	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	84.2	98.4	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	84.9	84.2	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	91.4	94.6	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	93.8	95.8	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	94.1	96.2	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	94.6	94.1	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	95.8	106	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	100	93.8	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	102	102	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	106	102	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	96.8	100	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	99.9	96.8	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	99.9	106	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	109	87.1	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	87.1	89.1	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	92.3	98.1	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	94.8	109	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	97.5	109	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	98.1	94.8	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	106	125	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	107	82.9	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	114	110	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	125	77.5	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	77.5	101	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	82.9	114	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	103	80.4	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	106	93.3	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	70.9	112	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	86.9	93.6	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	93.3	70.9	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	93.6	103	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	105	106	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	106	110	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	109	91.3	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	110	99.1	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	91.3	118	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	96.4	109	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	103	107	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	104	96.8	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	105	102	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	107	99.9	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	108	110	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	117	103	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A111663

Included Lab Sample IDs: 2317921, 2317922, 2317923, 2317924, 2317925, 2317926, 2317927, 2317928, 2317929, 2317930, 2317931, 2317932, 2317963, 2317964, 2317965, 2317966, 2317967, 2317968, 2317969, 2317970, 2317971, 2317972, 2317973, 2317974, 2317999, 2318000, 2318001, 2318002, 2318003, 2318004

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorobutanesulfonic acid (PFBS)	90.2	110	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	96.8	90.2	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	100	108	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	100	88.7	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	104	109	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	104	100	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	109	99.0	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	113	93.4	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	88.7	99.9	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	91.1	99.4	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	97.5	91.1	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	99.0	104	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	99.4	113	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	102	94.8	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	105	84.4	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	84.4	98.4	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	85.3	97.8	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	91.0	105	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	94.8	85.3	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	94.9	102	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	102	148	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	108	92.6	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	121	95.6	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	139	86.2	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	86.2	98.7	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	88.4	139	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	92.6	98.5	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	98.5	121	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	105	96.2	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	118	128	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	133	118	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	74.4	131	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	75.0	133	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	96.2	74.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	101	91.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	102	94.5	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	72.9	98.2	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	78.5	104	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	89.5	85.5	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	91.4	78.5	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	98.2	119	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	99.0	72.9	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	103	110	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	103	123	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	105	87.7	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	123	87.0	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	125	104	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	128	103	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	81.2	103	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A111663

Included Lab Sample IDs: 2317921, 2317922, 2317923, 2317924, 2317925, 2317926, 2317927, 2317928, 2317929, 2317930, 2317931, 2317932, 2317963, 2317964, 2317965, 2317966, 2317967, 2317968, 2317969, 2317970, 2317971, 2317972, 2317973, 2317974, 2317999, 2318000, 2318001, 2318002, 2318003, 2318004

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluoroheptanoic acid (PFHpA)	86.5	128	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	89.8	125	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	97.8	86.5	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	101	103	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	101	106	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	106	101	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	106	128	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	108	106	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	111	100	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	113	89.3	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	83.2	111	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	89.3	108	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	98.4	83.2	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	103	90.7	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	108	92.3	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	108	77.0	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	110	103	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	111	101	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	126	108	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	77.0	108	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	90.7	90.2	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	93.7	82.5	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	98.8	111	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	103	96.1	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	106	97.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	92.1	103	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	96.1	86.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	97.8	119	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	98.0	106	P/P	60 - 160
Perfluorononanoic acid (PFNA)	103	80.9	P/P	60 - 160
Perfluorononanoic acid (PFNA)	115	98.2	P/P	60 - 160
Perfluorononanoic acid (PFNA)	77.7	87.8	P/P	60 - 160
Perfluorononanoic acid (PFNA)	78.3	94.9	P/P	60 - 160
Perfluorononanoic acid (PFNA)	80.9	86.1	P/P	60 - 160
Perfluorononanoic acid (PFNA)	85.6	110	P/P	60 - 160
Perfluorononanoic acid (PFNA)	86.1	98.5	P/P	60 - 160
Perfluorononanoic acid (PFNA)	87.8	85.6	P/P	60 - 160
Perfluorononanoic acid (PFNA)	98.2	92.7	P/P	60 - 160
Perfluorononanoic acid (PFNA)	98.5	89.5	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	100	99.8	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	101	111	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	102	100	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	103	90.7	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	111	98.4	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	90.7	94.3	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	93.2	96.4	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	93.4	103	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	98.4	93.2	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	99.8	102	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3

Run ID: A111663

Included Lab Sample IDs: 2317921, 2317922, 2317923, 2317924, 2317925, 2317926, 2317927, 2317928, 2317929, 2317930, 2317931, 2317932, 2317963, 2317964, 2317965, 2317966, 2317967, 2317968, 2317969, 2317970, 2317971, 2317972, 2317973, 2317974, 2317999, 2318000, 2318001, 2318002, 2318003, 2318004

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorooctanesulfonic acid (PFOS)	100	86.0	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	107	120	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	108	106	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	109	101	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	114	113	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	120	147	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	147	124	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	147	154	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	154	108	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	79.5	114	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	93.4	147	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	102	111	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	106	120	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	111	84.3	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	115	102	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	120	110	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	135	99.5	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	92.3	135	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	94.8	111	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	99.5	113	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	101	89.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	101	94.8	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	109	114	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	114	80.0	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	114	101	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	114	114	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	83.4	109	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	88.1	101	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	94.8	101	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	97.2	125	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	100	95.5	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	101	114	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	111	133	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	114	111	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	115	127	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	132	135	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	135	109	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	95.5	115	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	111	112	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	112	94.9	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	113	86.7	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	86.2	111	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	86.7	109	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	97.5	113	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	106	119	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	80.8	85.3	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	85.3	106	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	89.2	97.9	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	91.5	101	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A111663
Included Lab Sample IDs: 2317921, 2317922, 2317923, 2317924, 2317925, 2317926, 2317927, 2317928, 2317929, 2317930, 2317931, 2317932, 2317963, 2317964, 2317965, 2317966, 2317967, 2317968, 2317969, 2317970, 2317971, 2317972, 2317973, 2317974, 2317999, 2318000, 2318001, 2318002, 2318003, 2318004

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorotridecanoic acid (PFTriA)	97.9	91.5	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	102	91.2	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	111	134	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	112	143	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	114	73.7	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	73.7	109	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	87.2	114	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	91.2	112	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	99.2	111	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A111673
Included Lab Sample IDs: 2317922, 2317972

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	111	91.8	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	107	114	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	90.9	102	P/P	60 - 160

Reference Method: EPA 8270E
Run ID: A111711
Included Lab Sample IDs: 2317913, 2317914, 2317915, 2317916, 2317953, 2317955, 2317956, 2317957, 2317997, 2318015

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1-Methylnaphthalene	88.1		P	70 - 130
1,2,4-Trichlorobenzene	102		P	70 - 130
1,2,4,5-Tetrachlorobenzene	94.6		P	70 - 130
1,3-Dinitrobenzene	92.2		P	70 - 130
1,3,5-Trinitrobenzene	86.4		P	70 - 130
2-Chloronaphthalene	106		P	70 - 130
2-Chlorophenol	103		P	70 - 130
2-Methylnaphthalene	96.4		P	70 - 130
2-Nitroaniline	93.7		P	70 - 130
2-Nitrophenol	107		P	70 - 130
2,3,4,6-Tetrachlorophenol	75.6		P	70 - 130
2,4-Dichlorophenol	98.6		P	70 - 130
2,4-Dimethylphenol	105		P	70 - 130
2,4-Dinitrotoluene	115		P	70 - 130
2,4,5-Trichlorophenol	102		P	70 - 130
2,4,6-Trichlorophenol	105		P	70 - 130
2,6-Dichlorophenol	90.2		P	70 - 130
2,6-Dinitrotoluene	113		P	70 - 130
3-Methylcholanthrene	88.3		P	70 - 130
4-Bromophenyl phenyl ether	106		P	70 - 130
4-Chloro-3-methylphenol	82.9		P	70 - 130
4-Chlorophenyl phenyl ether	104		P	70 - 130
5-Nitro-o-toluidine	96.6		P	70 - 130
7,12-Dimethylbenz(a)anthracene	83.9		P	70 - 130
Acenaphthene	100		P	70 - 130

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A111711
Included Lab Sample IDs: 2317913, 2317914, 2317915, 2317916, 2317953, 2317955, 2317956, 2317957, 2317997, 2318015

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acenaphthylene	106		P	70 - 130
Acetophenone	87.4		P	70 - 130
Anthracene	106		P	70 - 130
Azobenzene/1,2-Diphenylhydrazine	113		P	70 - 130
Benzo(a)anthracene	112		P	70 - 130
Benzo(a)pyrene	95.6		P	70 - 130
Benzo(b)fluoranthene	92.0		P	70 - 130
Benzo(g,h,i)perylene	96.7		P	70 - 130
Benzo(k)fluoranthene	109		P	70 - 130
Benzyl alcohol	72.0		P	70 - 130
Bis(2-chloroethoxy)methane	106		P	70 - 130
Bis(2-chloroethyl)ether	94.8		P	70 - 130
Bis(2-chloroisopropyl)ether	96.1		P	70 - 130
Carbazole	109		P	70 - 130
Chrysene	102		P	70 - 130
Di-n-octyl phthalate	81.7		P	70 - 130
Dibenzo(a,h)anthracene	102		P	70 - 130
Dibenzofuran	104		P	70 - 130
Dimethyl phthalate	103		P	70 - 130
Dimethylaminoazobenzene	88.1		P	70 - 130
Fluoranthene	104		P	70 - 130
Fluorene	104		P	70 - 130
Hexachlorobenzene	97.0		P	70 - 130
Hexachlorobutadiene	98.1		P	70 - 130
Hexachlorocyclopentadiene	124		P	70 - 130
Hexachloroethane	95.4		P	70 - 130
Hexachloropropene	95.9		P	70 - 130
Indeno(1,2,3-cd)pyrene	103		P	70 - 130
Isophorone	108		P	70 - 130
Isosafrole	93.3		P	70 - 130
m,p-Cresols	86.9		P	70 - 130
N-Nitrosodi-n-butylamine	89.7		P	70 - 130
N-Nitrosodi-n-propylamine	102		P	70 - 130
N-Nitrosomorpholine	92.6		P	70 - 130
N-Nitrosopiperidine	91.7		P	70 - 130
N-Nitrosopyrrolidine	87.3		P	70 - 130
Naphthalene	101		P	70 - 130
Nitrobenzene	86.3		P	70 - 130
o-Cresol	88.6		P	70 - 130
o-Toluidine	96.5		P	70 - 130
Pentachlorobenzene	91.6		P	70 - 130
Pentachloroethane	86.7		P	70 - 130
Pentachloronitrobenzene	93.9		P	70 - 130
Phenanthrene	102		P	70 - 130
Phenol	95.1		P	70 - 130
Pyrene	102		P	70 - 130
Safrole	93.6		P	70 - 130

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A111727
Included Lab Sample IDs: 2317913, 2317914, 2317915, 2317916, 2317953, 2317955, 2317956, 2317957, 2317997, 2318015

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1-Naphthylamine	79.2		P	60 - 130
2-Acetylaminofluorene	104		P	70 - 150
2-Methyl-4,6-dinitrophenol	129		P	70 - 130
2-Naphthylamine	71.7		P	60 - 130
2-Picoline	103		P	70 - 130
2,4-Dinitrophenol	108		P	70 - 130
3,3'-Dichlorobenzidine	104		P	50 - 130
4-Aminobiphenyl	72.9		P	70 - 130
4-Nitrophenol	99.1		P	70 - 130
Aniline	98.5		P	70 - 130
Benzidine	74.6		P	50 - 130
Bis(2-ethylhexyl)phthalate	103		P	70 - 130
Butyl benzyl phthalate	103		P	70 - 130
Di-n-butyl phthalate	101		P	70 - 130
Diethyl phthalate	99.2		P	70 - 130
Dinoseb	112		P	70 - 130
Ethyl methanesulfonate	102		P	70 - 130
N-Nitrosodiethylamine	104		P	70 - 130
N-Nitrosodimethylamine	107		P	70 - 130
N-Nitrosomethylethylamine	107		P	70 - 130
Pentachlorophenol	103		P	70 - 130
Phenacetin	104		P	70 - 130
Pyridine	118		P	70 - 130

* 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		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	94.2	101	101			0.636
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	73.4	58.8	62.7			6.45
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	74.9	70.5	60.6			15.0
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	96.4					28.9
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	71.5	114	146			22.6
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	114	89.0	79.8			10.8
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	50.5	86.2	93.6			8.16
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	139	113	96.8			15.0
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	102	93.9	108			8.42
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	116					15.1
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	130	135	125			5.35
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	96.3					
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	89.6	136	126			7.73
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	83.7	72.5	68.2			6.14
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	76.6	40.2	33.5			18.1
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	104	126	105			18.2
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	96.3	92.3	90.1			2.45
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	84.3	93.9	82.4			13.1
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	99.4	99.4	95.3			4.19
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	82.1	122	101			18.6
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	97.9	113	93.8			18.3
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	102	128	123			4.50
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	113	101	92.8			8.90
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	97.4	72.4	75.7			4.48
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	102	83.7	88.4			5.55
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	134	116	125			7.41
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	119	87.6	97.1			10.2

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	114	124	154			21.3
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	88.1	158	152			4.02
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	130	108	114			5.31
	Perfluoro-1-butane sulfonamide (FBSA)	107					16.6
	Perfluoro-1-butane sulfonamide (FBSA)	151	116	130			10.1
	Perfluoro-1-butane sulfonamide (FBSA)	157					8.96
	Perfluoro-1-hexane sulfonamide (FHxSA)	87.6					22.4
	Perfluoro-1-hexane sulfonamide (FHxSA)	144	89.6	104			10.5
	Perfluoro-1-hexane sulfonamide (FHxSA)	152					4.73
	Perfluoro-1-octane sulfonamide (FOSA)	88.3	83.2	105			21.9
	Perfluoro-1-octane sulfonamide (FOSA)	103	94.2	84.4			11.0
	Perfluoro-1-octane sulfonamide (FOSA)	104	91.1	90.0			1.24
	Perfluoro-3-methoxypropanoic acid (PFMPA)	119	125	150			17.6
	Perfluoro-3-methoxypropanoic acid (PFMPA)	99.5	101	123			19.5
	Perfluoro-3-methoxypropanoic acid (PFMPA)	88.1	110	108			1.59
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	84.4	110	130			16.8
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	120	101	122			18.5
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	102					10.8
	Perfluoro-4-methoxybutanoic acid (PFMBA)	108	97.1	144			38.6
	Perfluoro-4-methoxybutanoic acid (PFMBA)	114	98.0	119			19.5
	Perfluoro-4-methoxybutanoic acid (PFMBA)	112	148	144			3.27
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	92.6	107	106			1.14
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	101	99.3	147			38.8
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	99.1	112	132			16.5
	Perfluorobutanesulfonic acid (PFBS)	91.3					10.7
	Perfluorobutanesulfonic acid (PFBS)	101	110	91.9			16.9
	Perfluorobutanesulfonic acid (PFBS)	103					17.9
	Perfluorobutanoic acid (PFBA)	97.8					2.76
	Perfluorobutanoic acid (PFBA)	107					6.86
	Perfluorobutanoic acid (PFBA)	89.1					1.81
	Perfluorodecanesulfonic acid (PFDS)	98.4	83.9	96.8			13.4
	Perfluorodecanesulfonic acid (PFDS)	91.2	61.9	63.2			2.01

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluorodecanesulfonic acid (PFDS)	78.3	69.2	59.8			14.5
	Perfluorodecanoic acid (PFDA)	84.8					12.9
	Perfluorodecanoic acid (PFDA)	122	90.2	84.2			5.19
	Perfluorodecanoic acid (PFDA)	88.2	106	110			4.20
	Perfluorododecanoic acid (PFDoA)	112	113	119			5.16
	Perfluorododecanoic acid (PFDoA)	129	98.9	103			4.20
	Perfluorododecanoic acid (PFDoA)	130	97.7	118			18.8
	Perfluoroheptanesulfonic acid (PFHpS)	76.1					10.9
	Perfluoroheptanesulfonic acid (PFHpS)	110	114	97.0			16.4
	Perfluoroheptanesulfonic acid (PFHpS)	90.7					4.04
	Perfluoroheptanoic acid (PFHpA)	97.3					15.6
	Perfluoroheptanoic acid (PFHpA)	91.2					21.7
	Perfluoroheptanoic acid (PFHpA)	95.6					46.6
	Perfluorohexanesulfonic acid (PFHxS)	75.2					2.87
	Perfluorohexanesulfonic acid (PFHxS)	117	137	112			12.0
	Perfluorohexanesulfonic acid (PFHxS)	94.3					9.75
	Perfluorohexanoic acid (PFHxA)	78.5					6.56
	Perfluorohexanoic acid (PFHxA)	81.0					21.5
	Perfluorohexanoic acid (PFHxA)	110					15.6
	Perfluorononanesulfonic acid (PFNS)	91.4	150	147			1.10
	Perfluorononanesulfonic acid (PFNS)	93.2	88.0	78.1			11.9
	Perfluorononanesulfonic acid (PFNS)	81.0	81.4	79.8			1.97
	Perfluorononanoic acid (PFNA)	123					8.39
	Perfluorononanoic acid (PFNA)	81.7	122	103			12.5
	Perfluorononanoic acid (PFNA)	89.5					4.95
	Perfluorooctanesulfonic acid (PFOS)	87.9					1.04
	Perfluorooctanesulfonic acid (PFOS)	88.5					5.65
	Perfluorooctanesulfonic acid (PFOS)	87.6					
	Perfluorooctanoic acid (PFOA)	91.4					5.08
	Perfluorooctanoic acid (PFOA)	122					3.94
	Perfluorooctanoic acid (PFOA)	127					3.21
	Perfluoropentanesulfonic acid (PFPeS)	92.3					10.4
	Perfluoropentanesulfonic acid (PFPeS)	79.0	110	116			4.57
	Perfluoropentanesulfonic acid (PFPeS)	112					15.0
	Perfluoropentanoic acid (PFPeA)	134					19.5
	Perfluoropentanoic acid (PFPeA)	102					2.00
	Perfluoropentanoic acid (PFPeA)	102					9.44
	Perfluoropropanesulfonic acid (PFPrS)	97.2	99.3	97.7			0.567
	Perfluoropropanesulfonic acid (PFPrS)	83.6	86.8	96.9			11.0

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		Precision		
						LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)	134						26.4
	Perfluorotetradecanoic acid (PFTeA)	97.8		101	107			5.53
	Perfluorotetradecanoic acid (PFTeA)	116		113	88.1			25.1
	Perfluorotetradecanoic acid (PFTeA)	118		100	107			6.12
	Perfluorotridecanoic acid (PFTriA)	114		86.1	109			23.4
	Perfluorotridecanoic acid (PFTriA)	99.9		100	92.5			7.84
	Perfluorotridecanoic acid (PFTriA)	128		84.2	105			21.5
	Perfluoroundecanoic acid (PFUnA)	96.8		120	92.7			11.8
	Perfluoroundecanoic acid (PFUnA)	112		90.9	87.8			3.45
	Perfluoroundecanoic acid (PFUnA)	113		100	89.7			11.2
EPA 8260D	1,1-Dichloroethane	103	102	99.0		1.02		
	1,1-Dichloroethene	85.0	84.7	81.7		0.295		
	1,1,1-Trichloroethane	96.8	95.6	91.9		1.25		
	1,1,2-Trichloroethane	86.8	86.3	82.5		0.520		
	1,1,2,2-Tetrachloroethane	84.7	83.8	79.3		1.07		
	1,2-Dichlorobenzene	89.0	87.4	85.7		1.87		
	1,2-Dichloroethane	97.8	97.4	91.2		0.461		
	1,2-Dichloropropane	99.6	98.9	95.1		0.655		
	1,3-Dichlorobenzene	87.9	86.2	86.4		2.01		
	1,4-Dichlorobenzene	86.1	84.4	84.0		1.99		
	2-Butanone	97.1	98.6	87.6		1.52		
	Benzene	97.9	97.5	94.4		0.409		
	Bromodichloromethane	101	100	95.9		0.149		
	Bromoform	91.8	91.2	87.2		0.601		
	Bromomethane	94.2	92.2	94.0		2.15		
	Carbon tetrachloride	102	99.9	96.0		1.59		
	Chlorobenzene	95.6	94.8	92.2		0.840		
	Chloroethane	86.6	86.7	88.4		0.115		
	Chloroform	102	101	96.4		0.890		
	Chloromethane	71.6	71.2	73.6		0.560		
	cis-1,2-Dichloroethene	95.9	95.6	91.9		0.313		
	cis-1,3-Dichloropropene	101	101	96.2		0.149		
	Dibromochloromethane	98.0	97.6	93.0		0.409		
	Ethylbenzene	93.4	92.4	90.2		1.13		
	m,p-Xylene	92.8	91.6	91.1		1.36		
	Methyl-t-butyl ether	108	111	92.3		2.05		
	Methylene chloride	97.3	96.6	91.2		0.722		
	o-Xylene	95.2	94.0	91.8		1.27		
	Tetrachloroethene	91.7	90.3	89.2		1.54		
	Toluene	102	101	97.2		0.939		
	trans-1,2-Dichloroethene	90.8	90.2	87.2		0.663		
	trans-1,3-Dichloropropene	87.2	87.6	83.9		0.458		
	Trichloroethene	101	101	96.2		0.545		
	Trichlorofluoromethane	100	98.6	96.7		1.71		
	Vinyl chloride	97.8	96.4	101		1.44		
EPA 8270E	1-Methylnaphthalene	90.6	98.6			8.46		
	1-Naphthylamine	20.3	27.8			31.2		
	1,2,4-Trichlorobenzene	86.6	99.0			13.4		
	1,2,4,5-Tetrachlorobenzene	89.4	105			15.7		
	1,3-Dinitrobenzene	105	113			7.55		
	1,3,5-Trinitrobenzene	136	142			4.54		

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery	Precision		
					LCS	SMP	MS
EPA 8270E	2-Acetylaminofluorene	122	130		5.96		
	2-Chloronaphthalene	90.1	97.6		7.99		
	2-Chlorophenol	82.6	91.9		10.7		
	2-Methyl-4,6-dinitrophenol	137	148		7.53		
	2-Methylnaphthalene	92.1	101		9.51		
	2-Naphthylamine	36.7	28.6		24.8		
	2-Nitroaniline	103	107		3.53		
	2-Nitrophenol	85.8	99.0		14.3		
	2-Picoline	97.7	96.6		1.13		
	2,3,4,6-Tetrachlorophenol	113	122		7.94		
	2,4-Dichlorophenol	87.2	100		13.9		
	2,4-Dimethylphenol	83.9	91.5		8.67		
	2,4-Dinitrophenol	103	115		11.4		
	2,4-Dinitrotoluene	106	106		0.189		
	2,4,5-Trichlorophenol	96.1	100		4.38		
	2,4,6-Trichlorophenol	94.7	99.2		4.64		
	2,6-Dichlorophenol	94.8	110		14.7		
	2,6-Dinitrotoluene	104	107		3.51		
	3-Methylcholanthrene	104	109		4.78		
	3,3'-Dichlorobenzidine	195	198		1.22		
	4-Aminobiphenyl	52.5	60.6		14.3		
	4-Bromophenyl phenyl ether	94.6	99.6		5.15		
	4-Chloro-3-methylphenol	92.3	99.5		7.51		
	4-Chlorophenyl phenyl ether	101	102		1.67		
	4-Nitrophenol	76.5	73.4		4.14		
	5-Nitro-o-toluidine	111	124		10.5		
	7,12-Dimethylbenz(a)anthracene	99.2	106		6.16		
	Acenaphthene	94.6	99.8		5.35		
	Acenaphthylene	94.4	99.7		5.46		
	Acetophenone	100	102		2.08		
	Aniline	83.6	93.0		10.6		
	Anthracene	96.2	99.7		3.57		
	Azobenzene/1,2-Diphenylhydrazine	98.4	104		5.44		
	Benzidine	46.4	50.4		8.17		
	Benzo(a)anthracene	99.3	102		2.19		
	Benzo(a)pyrene	112	113		0.709		
	Benzo(b)fluoranthene	106	104		1.81		
	Benzo(g,h,i)perylene	106	109		2.14		
	Benzo(k)fluoranthene	97.6	100		2.73		
	Benzyl alcohol	87.0	94.8		8.58		
	Bis(2-chloroethoxy)methane	84.9	96.8		13.1		
	Bis(2-chloroethyl)ether	83.1	92.3		10.5		
	Bis(2-chloroisopropyl)ether	82.7	94.5		13.3		
	Bis(2-ethylhexyl)phthalate	123	112		8.67		
	Butyl benzyl phthalate	109	110		1.55		
	Carbazole	105	116		10.0		
	Chrysene	104	105		1.82		
	Di-n-butyl phthalate	105	109		3.93		
	Di-n-octyl phthalate	112	115		2.92		
	Dibenzo(a,h)anthracene	103	108		4.47		
	Dibenzofuran	96.8	102		4.94		
	Diethyl phthalate	109	111		1.72		
	Dimethyl phthalate	104	105		1.34		
	Dimethylaminoazobenzene	109	112		2.90		

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery	Precision		
					LCS	SMP	MS
EPA 8270E	Dinoseb	69.2	69.9		0.934		
	Ethyl methanesulfonate	95.6	96.7		1.14		
	Fluoranthene	103	105		2.50		
	Fluorene	98.6	101		2.70		
	Hexachlorobenzene	94.4	98.5		4.25		
	Hexachlorobutadiene	85.2	97.3		13.3		
	Hexachlorocyclopentadiene	93.4	103		10.1		
	Hexachloroethane	81.9	92.7		12.4		
	Hexachloropropene	106	125		16.6		
	Indeno(1,2,3-cd)pyrene	106	109		2.98		
	Isophorone	86.0	97.2		12.2		
	Isosafrole	97.5	111		12.8		
	m,p-Cresols	81.2	87.4		7.35		
	N-Nitrosodi-n-butylamine	98.2	111		11.9		
	N-Nitrosodi-n-propylamine	88.3	97.0		9.39		
	N-Nitrosodiethylamine	99.1	99.8		0.704		
	N-Nitrosodimethylamine	109	99.0		9.71		
	N-Nitrosomethylethylamine	99.0	102		2.79		
	N-Nitrosomorpholine	120	120		0.583		
	N-Nitrosopiperidine	102	104		1.45		
	N-Nitrosopyrrolidine	100	98.5		1.51		
	Naphthalene	87.0	98.8		12.7		
	Nitrobenzene	86.3	98.5		13.2		
	o-Cresol	83.9	91.9		9.10		
	o-Toluidine	99.2	100		1.00		
	Pentachlorobenzene	93.5	108		14.2		
	Pentachloroethane	90.8	94.0		3.46		
	Pentachloronitrobenzene	120	123		2.80		
	Pentachlorophenol	112	118		4.88		
	Phenacetin	123	121		1.47		
	Phenanthrene	98.8	104		4.94		
	Phenol	59.3	60.6		2.17		
	Pyrene	103	105		1.63		
	Pyridine	58.7	59.0		0.510		
	Safrole	94.8	110		14.9		
FL-PRO 2018	TRPH	72.1	81.3		11.9		

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: LC-001-3	Perfluorinated alkyl substances in water matrices by HPLC/MS/MS	2317921, 2317922, 2317923, 2317924, 2317925, 2317926, 2317927, 2317928, 2317929, 2317930, 2317931, 2317932, 2317963, 2317964, 2317965, 2317966, 2317967, 2317968, 2317969, 2317970, 2317971, 2317972, 2317973, 2317974, 2317999, 2318000, 2318001, 2318002, 2318003, 2318004
EPA 8260D	Volatile organic pollutants in acid preserved water matrices using GC/MS	2317933, 2317934, 2317935, 2317936, 2317975, 2317977, 2317978, 2317979, 2318005, 2318006, 2318017
EPA 8270E	EPA Method 8270, Semi-volatile organic pollutants including PAHs, excluding PCBs and Toxaphene, in water matrices by GC/MS.	2317913, 2317914, 2317915, 2317916, 2317953, 2317955, 2317956, 2317957, 2317997, 2318015

Reference Method Descriptions

Method	Description	Associated Samples
FL-PRO 2018	Total recoverable petroleum hydrocarbons in water samples by GC-FID.	2317917, 2317918, 2317919, 2317920, 2317958, 2317960, 2317961, 2317962, 2317998, 2318016

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	04/11/2022	04/12/2022 11:00	Hoor Shaik	04/15/2022 01:41	Mohammad Ghaffari	2317963
	04/11/2022	04/12/2022 11:00	Hoor Shaik	04/22/2022 02:07	Mohammad Ghaffari	2317963
	04/11/2022	04/12/2022 11:00	Hoor Shaik	04/22/2022 02:18	Mohammad Ghaffari	2317963
	04/11/2022	04/12/2022 11:00	Hoor Shaik	04/22/2022 02:29	Mohammad Ghaffari	2317963
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 01:02	Mohammad Ghaffari	2317928
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 01:13	Mohammad Ghaffari	2317929
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 01:24	Mohammad Ghaffari	2317930
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 09:48	Mohammad Ghaffari	2317932
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 09:59	Mohammad Ghaffari	2317924
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 10:09	Mohammad Ghaffari	2317974
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 10:31	Mohammad Ghaffari	2317931
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 10:42	Mohammad Ghaffari	2317999
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 11:47	Mohammad Ghaffari	2317921
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 12:08	Mohammad Ghaffari	2317922
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 12:19	Mohammad Ghaffari	2317923
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 12:30	Mohammad Ghaffari	2317925
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 12:41	Mohammad Ghaffari	2317926
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 12:51	Mohammad Ghaffari	2317927
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 04:05	Mohammad Ghaffari	2317924
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 04:15	Mohammad Ghaffari	2317974
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 04:48	Mohammad Ghaffari	2317931
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 04:59	Mohammad Ghaffari	2317999
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 05:09	Mohammad Ghaffari	2317931
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 05:20	Mohammad Ghaffari	2317999
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 05:42	Mohammad Ghaffari	2317921
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 05:53	Mohammad Ghaffari	2317921
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 06:04	Mohammad Ghaffari	2317922
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 06:14	Mohammad Ghaffari	2317922
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 06:25	Mohammad Ghaffari	2317923
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 06:36	Mohammad Ghaffari	2317923
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 06:47	Mohammad Ghaffari	2317926
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 07:19	Mohammad Ghaffari	2317925
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 07:41	Mohammad Ghaffari	2317929
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 07:52	Mohammad Ghaffari	2317929
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 08:02	Mohammad Ghaffari	2317930
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/23/2022 08:13	Mohammad Ghaffari	2317930
	04/11/2022	04/19/2022 09:00	Hoor Shaik	04/25/2022 08:30	Mohammad Ghaffari	2317922
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 04:49	Mohammad Ghaffari	2318002
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 05:00	Mohammad Ghaffari	2318003
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 05:11	Mohammad Ghaffari	2318004

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	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 05:54	Mohammad Ghaffari	2317972
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 06:16	Mohammad Ghaffari	2318000
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 06:26	Mohammad Ghaffari	2317965
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 06:37	Mohammad Ghaffari	2317969
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 06:48	Mohammad Ghaffari	2318001
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 07:20	Mohammad Ghaffari	2317966
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 07:31	Mohammad Ghaffari	2317967
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 07:53	Mohammad Ghaffari	2317968
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 08:03	Mohammad Ghaffari	2317970
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 08:14	Mohammad Ghaffari	2317971
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 08:25	Mohammad Ghaffari	2317973
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/22/2022 08:36	Mohammad Ghaffari	2317964
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/23/2022 08:24	Mohammad Ghaffari	2317972
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/23/2022 08:56	Mohammad Ghaffari	2317964
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/23/2022 09:07	Mohammad Ghaffari	2317964
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/23/2022 09:18	Mohammad Ghaffari	2317968
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/23/2022 09:29	Mohammad Ghaffari	2317968
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/23/2022 09:39	Mohammad Ghaffari	2317965
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/23/2022 09:50	Mohammad Ghaffari	2318000
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/23/2022 10:01	Mohammad Ghaffari	2317965
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/23/2022 10:12	Mohammad Ghaffari	2318000
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/23/2022 10:23	Mohammad Ghaffari	2317969
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/23/2022 10:33	Mohammad Ghaffari	2318001
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/23/2022 10:44	Mohammad Ghaffari	2317969
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/23/2022 10:55	Mohammad Ghaffari	2318001
	04/11/2022	04/21/2022 09:00	Hoor Shaik	04/25/2022 08:19	Mohammad Ghaffari	2317972
EPA 8260D	04/11/2022	04/12/2022 11:00	Yi Lin Luo	04/12/2022 17:40	Yi Lin Luo	2317933
	04/11/2022	04/12/2022 11:00	Yi Lin Luo	04/12/2022 18:07	Yi Lin Luo	2317934
	04/11/2022	04/12/2022 11:00	Yi Lin Luo	04/12/2022 18:33	Yi Lin Luo	2317935
	04/11/2022	04/12/2022 11:00	Yi Lin Luo	04/12/2022 18:59	Yi Lin Luo	2317936
	04/11/2022	04/12/2022 11:00	Yi Lin Luo	04/12/2022 19:26	Yi Lin Luo	2317975
	04/11/2022	04/12/2022 11:00	Yi Lin Luo	04/12/2022 19:52	Yi Lin Luo	2317977
	04/11/2022	04/12/2022 11:00	Yi Lin Luo	04/12/2022 20:18	Yi Lin Luo	2317978
	04/11/2022	04/12/2022 11:00	Yi Lin Luo	04/12/2022 20:45	Yi Lin Luo	2317979
	04/11/2022	04/12/2022 11:00	Yi Lin Luo	04/12/2022 21:11	Yi Lin Luo	2318005
	04/11/2022	04/12/2022 11:00	Yi Lin Luo	04/12/2022 21:37	Yi Lin Luo	2318006
	04/11/2022	04/12/2022 11:00	Yi Lin Luo	04/12/2022 22:04	Yi Lin Luo	2318017
EPA 8270E	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 11:25	Juyoung Kim	2317913
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 11:52	Juyoung Kim	2317914
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 12:18	Juyoung Kim	2317915

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 12:45	Juyoung Kim	2317916
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 13:12	Juyoung Kim	2317953
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 13:39	Juyoung Kim	2317955
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 14:06	Juyoung Kim	2317956
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 14:33	Juyoung Kim	2317957
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 15:00	Juyoung Kim	2317997
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 15:02	Juyoung Kim	2317913
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 15:26	Juyoung Kim	2318015
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 15:27	Juyoung Kim	2317914
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 15:52	Juyoung Kim	2317915
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 16:18	Juyoung Kim	2317916
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 16:43	Juyoung Kim	2317953
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 17:08	Juyoung Kim	2317955
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 17:33	Juyoung Kim	2317956
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 17:58	Juyoung Kim	2317957
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 18:23	Juyoung Kim	2317997
	04/11/2022	04/14/2022 08:30	Hoor Shaik	04/26/2022 18:49	Juyoung Kim	2318015
FL-PRO 2018	04/11/2022	04/13/2022 08:00	Fe-Val Siddell	04/18/2022 14:18	Julie Wi	2317917
	04/11/2022	04/13/2022 08:00	Fe-Val Siddell	04/18/2022 14:57	Julie Wi	2317918
	04/11/2022	04/13/2022 08:00	Fe-Val Siddell	04/18/2022 15:35	Julie Wi	2317919
	04/11/2022	04/13/2022 08:00	Fe-Val Siddell	04/18/2022 16:14	Julie Wi	2317920
	04/11/2022	04/13/2022 08:00	Fe-Val Siddell	04/18/2022 16:52	Julie Wi	2317958
	04/11/2022	04/13/2022 08:00	Fe-Val Siddell	04/18/2022 17:31	Julie Wi	2317960
	04/11/2022	04/13/2022 08:00	Fe-Val Siddell	04/18/2022 18:10	Julie Wi	2317961
	04/11/2022	04/13/2022 08:00	Fe-Val Siddell	04/18/2022 18:48	Julie Wi	2317962
	04/11/2022	04/13/2022 08:00	Fe-Val Siddell	04/18/2022 19:27	Julie Wi	2317998
	04/11/2022	04/13/2022 08:00	Fe-Val Siddell	04/18/2022 20:05	Julie Wi	2318016

Chemical Analysis Report

SIS-2022-04-07-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

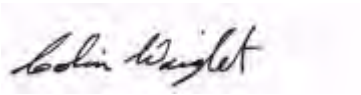
Event Description: **Fire Academy of the South**
Request ID: **RQ-2021-11-15-48**
Customer: **SIS**
Project ID: **SIS-PFAS**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Road
Twin Towers Bldg. MS# 4515
Tallahassee, FL 32399
Attn: Jeff Newton

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Colin Wright, Program Administrator

Date Certified: 27-APR-2022 09:39



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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/05/2022 11:13**

Field ID: FSCJ-TMW-6S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317660	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	33		ng/L	P412152	
		Perfluorobutanoic acid (PFBA)**	200		ng/L	P412152	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412152	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412152	
		Perfluoroheptanoic acid (PFHpA)**	310		ng/L	P412152	
		Perfluorohexanesulfonic acid (PFHxS)**	160		ng/L	P412152	
		Perfluorohexanoic acid (PFHxA)**	260		ng/L	P412152	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412152	
		Perfluorooctanoic acid (PFOA)**	70		ng/L	P412152	
		Perfluorooctanesulfonic acid (PFOS)**	47		ng/L	P412152	
		Perfluoropentanoic acid (PFPeA)**	630		ng/L	P412152	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412152	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412152	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412152	
		Perfluoropentanesulfonic acid (PFPeS)**	36		ng/L	P412152	
		Perfluoroheptanesulfonic acid (PFHpS)**	2.9	I	ng/L	P412152	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412152	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412152	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412152	
		Perfluoro-1-butane sulfonamide (FBSA)**	1.9	I	ng/L	P412152	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412152	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412152	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412152	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	31	I	ng/L	P412152	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412152	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412152	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412152	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412152	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412152	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412152	

Field ID: FSCJ-TMW-6S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317660	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	7.1	I	ng/L	P412152	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412152	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/05/2022 12:02**

Field ID: FSCJ-TMW-14S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317661	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	8.2		ng/L	P412152	
		Perfluorobutanoic acid (PFBA)**	38		ng/L	P412152	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412152	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412152	
		Perfluoroheptanoic acid (PFHpA)**	64		ng/L	P412152	
		Perfluorohexanesulfonic acid (PFHxS)**	42		ng/L	P412152	
		Perfluorohexanoic acid (PFHxA)**	58		ng/L	P412152	
		Perfluorononanoic acid (PFNA)**	5.4	I	ng/L	P412152	
		Perfluorooctanoic acid (PFOA)**	26		ng/L	P412152	
		Perfluorooctanesulfonic acid (PFOS)**	34		ng/L	P412152	
		Perfluoropentanoic acid (PFPeA)**	96		ng/L	P412152	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412152	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412152	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412152	
		Perfluoropentanesulfonic acid (PFPeS)**	4.9		ng/L	P412152	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412152	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412152	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412152	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412152	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412152	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412152	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412152	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412152	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412152	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412152	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412152	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412152	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412152	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412152	

Field ID: FSCJ-TMW-14S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317661	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412152	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412152	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/04/2022 15:45**

Field ID: DEPMW-1S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317662	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	20		ng/L	P412152	
		Perfluorobutanoic acid (PFBA)**	53		ng/L	P412152	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412152	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412152	
		Perfluoroheptanoic acid (PFHpA)**	35		ng/L	P412152	
		Perfluorohexanesulfonic acid (PFHxS)**	180		ng/L	P412152	
		Perfluorohexanoic acid (PFHxA)**	70		ng/L	P412152	
		Perfluorononanoic acid (PFNA)**	17		ng/L	P412152	
		Perfluorooctanoic acid (PFOA)**	55		ng/L	P412152	
		Perfluorooctanesulfonic acid (PFOS)**	490		ng/L	P412152	
		Perfluoropentanoic acid (PFPeA)**	74		ng/L	P412152	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412152	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412152	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412152	
		Perfluoropentanesulfonic acid (PFPeS)**	18		ng/L	P412152	
		Perfluoroheptanesulfonic acid (PFHpS)**	9.0		ng/L	P412152	
		Perfluorononanesulfonic acid (PFNS)**	3.1		ng/L	P412152	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412152	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412152	
		Perfluoro-1-butane sulfonamide (FBSA)**	2.8	I	ng/L	P412152	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	1.2	I	ng/L	P412152	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412152	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412152	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412152	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412152	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412152	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412152	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412152	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412152	

Field ID: DEPMW-1S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317662	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412152	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412152	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/05/2022 09:05**

Field ID: DEPMW-3S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317663	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	22		ng/L	P412152	
		Perfluorobutanoic acid (PFBA)**	140		ng/L	P412152	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412152	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412152	
		Perfluoroheptanoic acid (PFHpA)**	220		ng/L	P412152	
		Perfluorohexanesulfonic acid (PFHxS)**	130		ng/L	P412152	
		Perfluorohexanoic acid (PFHxA)**	210		ng/L	P412152	
		Perfluorononanoic acid (PFNA)**	14		ng/L	P412152	
		Perfluorooctanoic acid (PFOA)**	82		ng/L	P412152	
		Perfluorooctanesulfonic acid (PFOS)**	60		ng/L	P412152	
		Perfluoropentanoic acid (PFPeA)**	430		ng/L	P412152	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412152	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412152	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412152	
		Perfluoropentanesulfonic acid (PFPeS)**	20		ng/L	P412152	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412152	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412152	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412152	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412152	
		Perfluoro-1-butane sulfonamide (FBSA)**	14		ng/L	P412152	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412152	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412152	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412152	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	220		ng/L	P412152	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412152	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412152	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412152	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412152	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412152	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412152	

Field ID: DEPMW-3S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317663	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	9.6	I	ng/L	P412152	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412152	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/05/2022 10:07**

Field ID: DEPMW-4S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317664	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	9.5		ng/L	P412152	
		Perfluorobutanoic acid (PFBA)**	15	I	ng/L	P412152	
		Perfluorodecanoic acid (PFDA)**	8.1	I	ng/L	P412152	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412152	
		Perfluoroheptanoic acid (PFHpA)**	23		ng/L	P412152	
		Perfluorohexanesulfonic acid (PFHxS)**	290		ng/L	P412152	
		Perfluorohexanoic acid (PFHxA)**	47		ng/L	P412152	
		Perfluorononanoic acid (PFNA)**	8.1		ng/L	P412152	
		Perfluorooctanoic acid (PFOA)**	24		ng/L	P412152	
		Perfluorooctanesulfonic acid (PFOS)**	1.4E+03		ng/L	P412152	
		Perfluoropentanoic acid (PFPeA)**	35		ng/L	P412152	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412152	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412152	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412152	
		Perfluoropentanesulfonic acid (PFPeS)**	21		ng/L	P412152	
		Perfluoroheptanesulfonic acid (PFHpS)**	13		ng/L	P412152	
		Perfluorononanesulfonic acid (PFNS)**	9.8		ng/L	P412152	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412152	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412152	
		Perfluoro-1-butane sulfonamide (FBSA)**	27		ng/L	P412152	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	55		ng/L	P412152	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412152	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412152	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412152	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412152	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412152	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412152	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412152	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412152	

Field ID: DEPMW-4S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317664	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412152	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412152	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/04/2022 15:16**

Field ID: DEPMW-6S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317665	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	410		ng/L	P412152	
		Perfluorobutanoic acid (PFBA)**	1.5E+03		ng/L	P412152	
		Perfluorodecanoic acid (PFDA)**	20		ng/L	P412152	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412152	
		Perfluoroheptanoic acid (PFHpA)**	1.5E+03		ng/L	P412152	
		Perfluorohexanesulfonic acid (PFHxS)**	3.9E+03		ng/L	P412152	
		Perfluorohexanoic acid (PFHxA)**	6.1E+03		ng/L	P412152	
		Perfluorononanoic acid (PFNA)**	290		ng/L	P412152	
		Perfluorooctanoic acid (PFOA)**	2.5E+03		ng/L	P412152	
		Perfluorooctanesulfonic acid (PFOS)**	7.2E+04		ng/L	P412152	
		Perfluoropentanoic acid (PFPeA)**	5.2E+03		ng/L	P412152	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412152	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412152	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412152	
		Perfluoropentanesulfonic acid (PFPeS)**	320		ng/L	P412152	
		Perfluoroheptanesulfonic acid (PFHpS)**	230		ng/L	P412152	
		Perfluorononanesulfonic acid (PFNS)**	120		ng/L	P412152	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412152	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412152	
		Perfluoro-1-butane sulfonamide (FBSA)**	240		ng/L	P412152	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	230		ng/L	P412152	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.48	I	ng/L	P412152	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412152	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	32		ng/L	P412152	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	1.4E+05		ng/L	P412152	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	5.9E+03		ng/L	P412152	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412152	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412152	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412152	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412152	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412152	

Field ID: DEPMW-6S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317665	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	250		ng/L	P412152	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412152	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/04/2022 14:35**

Field ID: DEPMW-7S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317666	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	54		ng/L	P412152	
		Perfluorobutanoic acid (PFBA)**	230		ng/L	P412152	
		Perfluorodecanoic acid (PFDA)**	16		ng/L	P412152	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412152	
		Perfluoroheptanoic acid (PFHpA)**	320		ng/L	P412152	
		Perfluorohexanesulfonic acid (PFHxS)**	220		ng/L	P412152	
		Perfluorohexanoic acid (PFHxA)**	440		ng/L	P412152	
		Perfluorononanoic acid (PFNA)**	30		ng/L	P412152	
		Perfluorooctanoic acid (PFOA)**	220		ng/L	P412152	
		Perfluorooctanesulfonic acid (PFOS)**	420		ng/L	P412152	
		Perfluoropentanoic acid (PFPeA)**	920		ng/L	P412152	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412152	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412152	
		Perfluoroundecanoic acid (PFUnA)**	4.9	I	ng/L	P412152	
		Perfluoropentanesulfonic acid (PFPeS)**	44		ng/L	P412152	
		Perfluoroheptanesulfonic acid (PFHpS)**	12		ng/L	P412152	
		Perfluorononanesulfonic acid (PFNS)**	1.8		ng/L	P412152	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412152	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412152	
		Perfluoro-1-butane sulfonamide (FBSA)**	57		ng/L	P412152	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	64		ng/L	P412152	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.89	I	ng/L	P412152	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412152	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	290		ng/L	P412152	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	140		ng/L	P412152	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412152	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412152	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412152	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412152	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412152	

Field ID: DEPMW-7S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317666	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	13	I	ng/L	P412152	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412152	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/04/2022 14:05**

Field ID: DEPMW-9S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317667	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	67		ng/L	P412152	
		Perfluorobutanoic acid (PFBA)**	34		ng/L	P412152	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412152	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412152	
		Perfluoroheptanoic acid (PFHpA)**	12		ng/L	P412152	
		Perfluorohexanesulfonic acid (PFHxS)**	1.0E+03		ng/L	P412152	
		Perfluorohexanoic acid (PFHxA)**	78		ng/L	P412152	
		Perfluorononanoic acid (PFNA)**	3.5	I	ng/L	P412152	
		Perfluorooctanoic acid (PFOA)**	30		ng/L	P412152	
		Perfluorooctanesulfonic acid (PFOS)**	3.6E+03		ng/L	P412152	
		Perfluoropentanoic acid (PFPeA)**	71		ng/L	P412152	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412152	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412152	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412152	
		Perfluoropentanesulfonic acid (PFPeS)**	92		ng/L	P412152	
		Perfluoroheptanesulfonic acid (PFHpS)**	43		ng/L	P412152	
		Perfluorononanesulfonic acid (PFNS)**	22		ng/L	P412152	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412152	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412152	
		Perfluoro-1-butane sulfonamide (FBSA)**	62		ng/L	P412152	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	400		ng/L	P412152	
		Perfluoro-1-octane sulfonamide (FOSA)**	3.6		ng/L	P412152	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412152	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	29	I	ng/L	P412152	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412152	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412152	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412152	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412152	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412152	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412152	

Field ID: DEPMW-9S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317667	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	13	I	ng/L	P412152	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412152	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/04/2022 13:36**

Field ID: DEPMW-10S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317668	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.41	I	ng/L	P412152	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P412152	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412152	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412152	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P412152	
		Perfluorohexanesulfonic acid (PFHxS)**	5.2		ng/L	P412152	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P412152	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412152	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P412152	
		Perfluorooctanesulfonic acid (PFOS)**	5.3	I	ng/L	P412152	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P412152	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412152	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412152	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412152	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P412152	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412152	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412152	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412152	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412152	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412152	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412152	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412152	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412152	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412152	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412152	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412152	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412152	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412152	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412152	

Field ID: DEPMW-10S Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317668	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412152	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412152	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/05/2022 12:28**

Field ID: FSCJ-TMW-6D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317669	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.49	I	ng/L	P412152	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P412152	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412152	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412152	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P412152	
		Perfluorohexanesulfonic acid (PFHxS)**	2.2	I	ng/L	P412152	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P412152	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412152	
		Perfluorooctanoic acid (PFOA)**	2.3	I	ng/L	P412152	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P412152	
		Perfluoropentanoic acid (PFPeA)**	2.2	I	ng/L	P412152	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412152	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412152	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412152	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P412152	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412152	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412152	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412152	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412152	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412152	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412152	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412152	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412152	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412152	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412152	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412152	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412152	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412152	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412152	

Field ID: FSCJ-TMW-6D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317669	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412152	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412152	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/05/2022 09:20**

Field ID: DEPMW-3D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317670	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.96	I	ng/L	P412152	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P412152	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412152	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412152	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P412152	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P412152	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P412152	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412152	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P412152	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P412152	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P412152	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412152	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412152	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412152	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P412152	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412152	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412152	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412152	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412152	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412152	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412152	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412152	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412152	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412152	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412152	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412152	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412152	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412152	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412152	

Field ID: DEPMW-3D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317670	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412152	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412152	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/05/2022 09:20**

Field ID: DEPMW-3D DUP Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317671	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	1.4	I	ng/L	P412152	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P412152	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412152	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412152	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P412152	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P412152	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P412152	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412152	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P412152	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P412152	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P412152	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412152	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412152	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412152	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P412152	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412152	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412152	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412152	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412152	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412152	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412152	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412152	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412152	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412152	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412152	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412152	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412152	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412152	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412152	RPD
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412152	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412152	

Field ID: DEPMW-3D DUP Matrix: W-FLD-REP

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317671	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412152	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412152	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/05/2022 10:32**

Field ID: DEPMW-4D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317672	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	42		ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	15	I	ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	13		ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	150		ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	52		ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	11		ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	11		ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	32		ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	32		ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	2.1	I	ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	4.7		ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	31	I	ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: DEPMW-4D Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317672	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	18		ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/05/2022 14:35**

Field ID: WELL 1 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317673	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: WELL 1 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317673	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/05/2022 13:45**

Field ID: WELL 5 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317674	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: WELL 5 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317674	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/05/2022 14:15**

Field ID: WELL 6 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317675	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: WELL 6 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317675	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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: Fire Academy of the South-FSCJ **Collection Date/Time: 04/05/2022 14:05**

Field ID: WELL 7 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317676	DEP SOP: LC-001-3	Perfluorobutanesulfonic acid (PFBS)**	0.40	U	ng/L	P412184	
		Perfluorobutanoic acid (PFBA)**	4.0	U	ng/L	P412184	
		Perfluorodecanoic acid (PFDA)**	4.0	U	ng/L	P412184	
		Perfluorododecanoic acid (PFDoA)**	2.0	U	ng/L	P412184	
		Perfluoroheptanoic acid (PFHpA)**	2.0	U	ng/L	P412184	
		Perfluorohexanesulfonic acid (PFHxS)**	0.80	U	ng/L	P412184	
		Perfluorohexanoic acid (PFHxA)**	2.0	U	ng/L	P412184	
		Perfluorononanoic acid (PFNA)**	2.0	U	ng/L	P412184	
		Perfluorooctanoic acid (PFOA)**	2.0	U	ng/L	P412184	
		Perfluorooctanesulfonic acid (PFOS)**	2.0	U	ng/L	P412184	
		Perfluoropentanoic acid (PFPeA)**	2.0	U	ng/L	P412184	
		Perfluorotetradecanoic acid (PFTeA)**	2.0	U	ng/L	P412184	
		Perfluorotridecanoic acid (PFTriA)**	2.0	U	ng/L	P412184	
		Perfluoroundecanoic acid (PFUnA)**	2.0	U	ng/L	P412184	
		Perfluoropentanesulfonic acid (PFPeS)**	0.40	U	ng/L	P412184	
		Perfluoroheptanesulfonic acid (PFHpS)**	0.80	U	ng/L	P412184	
		Perfluorononanesulfonic acid (PFNS)**	0.40	U	ng/L	P412184	
		Perfluorodecanesulfonic acid (PFDS)**	0.40	U	ng/L	P412184	
		4,8-Dioxa-3H-perfluorononanoic acid (ADONA)**	0.40	U	ng/L	P412184	
		Perfluoro-1-butane sulfonamide (FBSA)**	0.80	U	ng/L	P412184	
		Perfluoro-1-hexane sulfonamide (FHxSA)**	0.80	U	ng/L	P412184	
		Perfluoro-1-octane sulfonamide (FOSA)**	0.40	U	ng/L	P412184	
		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)**	2.0	U	ng/L	P412184	
		9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)**	2.0	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)**	16	U	ng/L	P412184	
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)**	2.0	U	ng/L	P412184	
		N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)**	0.80	U	ng/L	P412184	
		N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)**	0.80	U	ng/L	P412184	
		Hexafluoropropylene oxide dimer acid (HFPO-DA)**	4.0	U	ng/L	P412184	
		Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)**	4.0	U	ng/L	P412184	RPD
		Perfluoro-4-methoxybutanoic acid (PFMBA)**	4.0	U	ng/L	P412184	
		Perfluoro-3-methoxypropanoic acid (PFMPA)**	4.0	U	ng/L	P412184	
		Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)**	4.0	U	ng/L	P412184	

Field ID: WELL 7 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2317676	DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)**	4.0	U	ng/L	P412184	
		Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**	8.0	U	ng/L	P412184	

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.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: LC-001-3
Batch ID: P412152

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)	4.0	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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: P412184

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: P412184

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)	4.0	U	ng/L
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	4.0	U	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.0	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: P412152

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	94.2		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	96.4		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	50.5		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	116		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	89.6		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	104		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	99.4		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	102		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	102		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	114		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	107		P	30 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	87.6		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	88.3		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	119		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	84.4		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	108		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	92.6		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	91.3		P	30 - 160
Perfluorobutanoic acid (PFBA)	97.8		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	98.4		P	30 - 160
Perfluorodecanoic acid (PFDA)	84.8		P	30 - 160
Perfluorododecanoic acid (PFDoA)	112		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	76.1		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	97.3		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	75.2		P	30 - 160
Perfluorohexanoic acid (PFHxA)	78.5		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	91.4		P	30 - 160
Perfluorononanoic acid (PFNA)	123		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	87.9		P	30 - 160
Perfluorooctanoic acid (PFOA)	91.4		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	92.3		P	30 - 160
Perfluoropentanoic acid (PFPeA)	134		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	97.2		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	97.8		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	114		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	96.8		P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P412184

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	73.4		P	30 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	71.5		P	30 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	139		P	30 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	130		P	30 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	83.7		P	30 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	96.3		P	30 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	82.1		P	30 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	113		P	30 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	134		P	30 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	88.1		P	30 - 160
Perfluoro-1-butane sulfonamide (FBSA)	151		P	30 - 160

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P412184

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Perfluoro-1-hexane sulfonamide (FHxSA)	144		P	30 - 160
Perfluoro-1-octane sulfonamide (FOSA)	103		P	30 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	99.5		P	30 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	120		P	30 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	114		P	30 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	101		P	30 - 160
Perfluorobutanesulfonic acid (PFBS)	101		P	30 - 160
Perfluorobutanoic acid (PFBA)	107		P	30 - 160
Perfluorodecanesulfonic acid (PFDS)	91.2		P	30 - 160
Perfluorodecanoic acid (PFDA)	122		P	30 - 160
Perfluorododecanoic acid (PFDoA)	129		P	30 - 160
Perfluoroheptanesulfonic acid (PFHpS)	110		P	30 - 160
Perfluoroheptanoic acid (PFHpA)	91.2		P	30 - 160
Perfluorohexanesulfonic acid (PFHxS)	117		P	30 - 160
Perfluorohexanoic acid (PFHxA)	81.0		P	30 - 160
Perfluorononanesulfonic acid (PFNS)	93.2		P	30 - 160
Perfluorononanoic acid (PFNA)	81.7		P	30 - 160
Perfluorooctanesulfonic acid (PFOS)	88.5		P	30 - 160
Perfluorooctanoic acid (PFOA)	122		P	30 - 160
Perfluoropentanesulfonic acid (PFPeS)	79.0		P	30 - 160
Perfluoropentanoic acid (PFPeA)	102		P	30 - 160
Perfluoropropanesulfonic acid (PFPrS)	83.6		P	30 - 160
Perfluorotetradecanoic acid (PFTeA)	116		P	30 - 160
Perfluorotridecanoic acid (PFTriA)	99.9		P	30 - 160
Perfluoroundecanoic acid (PFUnA)	112		P	30 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P412152

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2317963	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	101	101	P/P	30 - 160
2317963	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	86.2	93.6	P/P	30 - 160
2317963	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	136	126	P/P	30 - 160
2317963	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	126	105	P/P	30 - 160
2317963	Hexafluoropropylene oxide dimer acid (HFPO-DA)	99.4	95.3	P/P	30 - 160
2317963	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	128	123	P/P	30 - 160
2317963	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	83.7	88.4	P/P	30 - 160
2317963	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	124	154	P/P	30 - 160
2317963	Perfluoro-1-octane sulfonamide (FOSA)	83.2	105	P/P	30 - 160
2317963	Perfluoro-3-methoxypropanoic acid (PFMPA)	125	150	P/P	30 - 160
2317963	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	110	130	P/P	30 - 160
2317963	Perfluoro-4-methoxybutanoic acid (PFMBA)	97.1	144	P/P	30 - 160
2317963	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	107	106	P/P	30 - 160
2317963	Perfluorodecanesulfonic acid (PFDS)	83.9	96.8	P/P	30 - 160
2317963	Perfluorododecanoic acid (PFDoA)	113	119	P/P	30 - 160
2317963	Perfluorononanesulfonic acid (PFNS)	150	147	P/P	30 - 160
2317963	Perfluoropropanesulfonic acid (PFPrS)	99.3	97.7	P/P	30 - 160
2317963	Perfluorotetradecanoic acid (PFTeA)	101	107	P/P	30 - 160
2317963	Perfluorotridecanoic acid (PFTriA)	86.1	109	P/P	30 - 160
2317963	Perfluoroundecanoic acid (PFUnA)	120	92.7	P/P	30 - 160

Reference Method: DEP SOP: LC-001-3
Batch ID: P412184

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2317932	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	62.7	58.8	P/P	30 - 160
2317932	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	114	146	P/P	30 - 160
2317932	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	113	96.8	P/P	30 - 160
2317932	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	135	125	P/P	30 - 160
2317932	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	72.5	68.2	P/P	30 - 160
2317932	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	90.1	92.3	P/P	30 - 160
2317932	Hexafluoropropylene oxide dimer acid (HFPO-DA)	122	101	P/P	30 - 160
2317932	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	101	92.8	P/P	30 - 160
2317932	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	116	125	P/P	30 - 160
2317932	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	152	158	P/P	30 - 160
2317932	Perfluoro-1-butane sulfonamide (FBSA)	130	116	P/P	30 - 160
2317932	Perfluoro-1-hexane sulfonamide (FHxSA)	104	89.6	P/P	30 - 160
2317932	Perfluoro-1-octane sulfonamide (FOSA)	94.2	84.4	P/P	30 - 160
2317932	Perfluoro-3-methoxypropanoic acid (PFMPA)	123	101	P/P	30 - 160
2317932	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	122	101	P/P	30 - 160
2317932	Perfluoro-4-methoxybutanoic acid (PFMBA)	119	98.0	P/P	30 - 160
2317932	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	147	99.3	P/P	30 - 160
2317932	Perfluorobutanesulfonic acid (PFBS)	110	91.9	P/P	30 - 160
2317932	Perfluorodecanesulfonic acid (PFDS)	61.9	63.2	P/P	30 - 160
2317932	Perfluorodecanoic acid (PFDA)	90.2	84.2	P/P	30 - 160
2317932	Perfluorododecanoic acid (PFDoA)	98.9	103	P/P	30 - 160
2317932	Perfluoroheptanesulfonic acid (PFHpS)	114	97.0	P/P	30 - 160
2317932	Perfluorohexanesulfonic acid (PFHxS)	137	112	P/P	30 - 160
2317932	Perfluorononanesulfonic acid (PFNS)	88.0	78.1	P/P	30 - 160
2317932	Perfluorononanoic acid (PFNA)	122	103	P/P	30 - 160
2317932	Perfluoropentanesulfonic acid (PFPeS)	110	116	P/P	30 - 160
2317932	Perfluoropropanesulfonic acid (PFPrS)	96.9	86.8	P/P	30 - 160

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: DEP SOP: LC-001-3
Batch ID: P412184

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2317932	Perfluorotetradecanoic acid (PFTeA)	113	88.1	P/P	30 - 160
2317932	Perfluorotridecanoic acid (PFTriA)	100	92.5	P/P	30 - 160
2317932	Perfluoroundecanoic acid (PFUnA)	90.9	87.8	P/P	30 - 160

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P412152

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2317963	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.636	Spike	P	0 - 30
2317963	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	28.9	Spike	P	0 - 30
2317963	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	8.16	Spike	P	0 - 30
2317963	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	15.1	Spike	P	0 - 30
2317963	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.73	Spike	P	0 - 30
2317963	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	18.2	Spike	P	0 - 30
2317963	Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.19	Spike	P	0 - 30
2317963	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.50	Spike	P	0 - 30
2317963	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.55	Spike	P	0 - 30
2317963	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	21.3	Spike	P	0 - 30
2317963	Perfluoro-1-butane sulfonamide (FBSA)	16.6	Spike	P	0 - 30
2317963	Perfluoro-1-hexane sulfonamide (FHxSA)	22.4	Spike	P	0 - 30
2317963	Perfluoro-1-octane sulfonamide (FOSA)	21.9	Spike	P	0 - 30
2317963	Perfluoro-3-methoxypropanoic acid (PFMPA)	17.6	Spike	P	0 - 30
2317963	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	16.8	Spike	P	0 - 30
2317963	Perfluoro-4-methoxybutanoic acid (PFMBA)	38.6	Spike	F	0 - 30
2317963	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.14	Spike	P	0 - 30
2317963	Perfluorobutanesulfonic acid (PFBS)	10.7	Spike	P	0 - 30
2317963	Perfluorobutanoic acid (PFBA)	2.76	Spike	P	0 - 30
2317963	Perfluorodecanesulfonic acid (PFDS)	13.4	Spike	P	0 - 30
2317963	Perfluorodecanoic acid (PFDA)	12.9	Spike	P	0 - 30
2317963	Perfluorododecanoic acid (PFDoA)	5.16	Spike	P	0 - 30
2317963	Perfluoroheptanesulfonic acid (PFHpS)	10.9	Spike	P	0 - 30
2317963	Perfluoroheptanoic acid (PFHpA)	15.6	Spike	P	0 - 30
2317963	Perfluorohexanesulfonic acid (PFHxS)	2.87	Spike	P	0 - 30
2317963	Perfluorohexanoic acid (PFHxA)	6.56	Spike	P	0 - 30
2317963	Perfluorononanesulfonic acid (PFNS)	1.10	Spike	P	0 - 30
2317963	Perfluorononanoic acid (PFNA)	8.39	Spike	P	0 - 30
2317963	Perfluorooctanesulfonic acid (PFOS)	1.04	Spike	P	0 - 30
2317963	Perfluorooctanoic acid (PFOA)	5.08	Spike	P	0 - 30
2317963	Perfluoropentanesulfonic acid (PFPeS)	10.4	Spike	P	0 - 30
2317963	Perfluoropentanoic acid (PFPeA)	19.5	Spike	P	0 - 30
2317963	Perfluoropropanesulfonic acid (PFPrS)	0.567	Spike	P	0 - 30
2317963	Perfluorotetradecanoic acid (PFTeA)	5.53	Spike	P	0 - 30
2317963	Perfluorotridecanoic acid (PFTriA)	23.4	Spike	P	0 - 30
2317963	Perfluoroundecanoic acid (PFUnA)	11.8	Spike	P	0 - 30

Reference Method: DEP SOP: LC-001-3
Batch ID: P412184

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2317932	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	6.45	Spike	P	0 - 30
2317932	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	22.6	Spike	P	0 - 30
2317932	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	15.0	Spike	P	0 - 30
2317932	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	5.35	Spike	P	0 - 30
2317932	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.14	Spike	P	0 - 30
2317932	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.45	Spike	P	0 - 30
2317932	Hexafluoropropylene oxide dimer acid (HFPO-DA)	18.6	Spike	P	0 - 30
2317932	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	8.90	Spike	P	0 - 30
2317932	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	7.41	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: DEP SOP: LC-001-3
Batch ID: P412184

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2317932	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.02	Spike	P	0 - 30
2317932	Perfluoro-1-butane sulfonamide (FBSA)	10.1	Spike	P	0 - 30
2317932	Perfluoro-1-hexane sulfonamide (FHxSA)	10.5	Spike	P	0 - 30
2317932	Perfluoro-1-octane sulfonamide (FOSA)	11.0	Spike	P	0 - 30
2317932	Perfluoro-3-methoxypropanoic acid (PFMPA)	19.5	Spike	P	0 - 30
2317932	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	18.5	Spike	P	0 - 30
2317932	Perfluoro-4-methoxybutanoic acid (PFMBA)	19.5	Spike	P	0 - 30
2317932	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	38.8	Spike	F	0 - 30
2317932	Perfluorobutanesulfonic acid (PFBS)	16.9	Spike	P	0 - 30
2317932	Perfluorobutanoic acid (PFBA)	6.86	Spike	P	0 - 30
2317932	Perfluorodecanesulfonic acid (PFDS)	2.01	Spike	P	0 - 30
2317932	Perfluorodecanoic acid (PFDA)	5.19	Spike	P	0 - 30
2317932	Perfluorododecanoic acid (PFDoA)	4.20	Spike	P	0 - 30
2317932	Perfluoroheptanesulfonic acid (PFHpS)	16.4	Spike	P	0 - 30
2317932	Perfluoroheptanoic acid (PFHpA)	21.7	Spike	P	0 - 30
2317932	Perfluorohexanesulfonic acid (PFHxS)	12.0	Spike	P	0 - 30
2317932	Perfluorohexanoic acid (PFHxA)	21.5	Spike	P	0 - 30
2317932	Perfluorononanesulfonic acid (PFNS)	11.9	Spike	P	0 - 30
2317932	Perfluorononanoic acid (PFNA)	12.5	Spike	P	0 - 30
2317932	Perfluorooctanesulfonic acid (PFOS)	5.65	Spike	P	0 - 30
2317932	Perfluorooctanoic acid (PFOA)	3.94	Spike	P	0 - 30
2317932	Perfluoropentanesulfonic acid (PFPeS)	4.57	Spike	P	0 - 30
2317932	Perfluoropentanoic acid (PFPeA)	2.00	Spike	P	0 - 30
2317932	Perfluoropropanesulfonic acid (PFPrS)	11.0	Spike	P	0 - 30
2317932	Perfluorotetradecanoic acid (PFTeA)	25.1	Spike	P	0 - 30
2317932	Perfluorotridecanoic acid (PFTriA)	7.84	Spike	P	0 - 30
2317932	Perfluoroundecanoic acid (PFUnA)	3.45	Spike	P	0 - 30

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report
Surrogates

Lab Sample ID: 2317660
Field Sample ID: FSCJ-TMW-6S

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	Perfluorobutanesulfonate-13C	92.8	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	138	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	107	P	30 - 160

Lab Sample ID: 2317661
Field Sample ID: FSCJ-TMW-14S

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	147	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	115	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	131	P	30 - 160

Lab Sample ID: 2317662
Field Sample ID: DEPMW-1S

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	Perfluorobutanesulfonate-13C	98.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	108	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	96.5	P	30 - 160

Lab Sample ID: 2317663
Field Sample ID: DEPMW-3S

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	Perfluorobutanesulfonate-13C	112	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	153	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	114	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	148	P	30 - 160

Lab Sample ID: 2317664
Field Sample ID: DEPMW-4S

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	72.5	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	139	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	116	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	135	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	131	P	30 - 160

Lab Sample ID: 2317665
Field Sample ID: DEPMW-6S

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	Perfluorobutanesulfonate-13C	102	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2317665
Field Sample ID: DEPMW-6S

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	74.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	85.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	98.4	P	30 - 160

Lab Sample ID: 2317666
Field Sample ID: DEPMW-7S

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	Perfluorobutanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	120	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	117	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	114	P	30 - 160

Lab Sample ID: 2317667
Field Sample ID: DEPMW-9S

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	Perfluorobutanesulfonate-13C	142	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	140	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	119	P	30 - 160

Lab Sample ID: 2317668
Field Sample ID: DEPMW-10S

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	95.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	110	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	103	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	118	P	30 - 160

Lab Sample ID: 2317669
Field Sample ID: FSCJ-TMW-6D

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	132	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	121	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	155	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	109	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	131	P	30 - 160

Lab Sample ID: 2317670
Field Sample ID: DEPMW-3D

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	66.6	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	106	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	143	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	92.5	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2317670
Field Sample ID: DEPMW-3D

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	111	P	30 - 160

Lab Sample ID: 2317671
Field Sample ID: DEPMW-3D DUP

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	74.1	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	128	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	104	P	30 - 160

Lab Sample ID: 2317672
Field Sample ID: DEPMW-4D

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	Perfluorobutanesulfonate-13C	99.4	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	98.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	91.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	118	P	30 - 160

Lab Sample ID: 2317673
Field Sample ID: WELL 1

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	160	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	131	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	113	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	158	P	30 - 160

Lab Sample ID: 2317674
Field Sample ID: WELL 5

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	81.0	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	123	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	145	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	119	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	101	P	30 - 160

Lab Sample ID: 2317675
Field Sample ID: WELL 6

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	82.2	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	97.3	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	147	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	100	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	85.2	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2317676
Field Sample ID: WELL 7

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
DEP SOP: LC-001-3	Hexafluoropropylene oxide dimer acid-13C	149	P	30 - 160
DEP SOP: LC-001-3	Perfluorobutanesulfonate-13C	102	P	30 - 160
DEP SOP: LC-001-3	Perfluorodecanoic acid-13C	101	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanesulfonate-13C	104	P	30 - 160
DEP SOP: LC-001-3	Perfluorohexanoic acid-13C	109	P	30 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A111629
Included Lab Sample IDs: 2317660, 2317661, 2317662, 2317663, 2317664, 2317665, 2317666, 2317667, 2317668, 2317669, 2317670, 2317671

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	122	133	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	133	151	P/P	60 - 160
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	151	125	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	133	88.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	146	90.4	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	90.4	133	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	133	91.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	147	99.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	99.3	133	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	105	86.3	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	90.0	90.9	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	90.9	105	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	108	129	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	88.6	108	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	99.5	88.6	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	116	151	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	123	126	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	151	123	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	108	97.3	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	108	108	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	129	108	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	116	117	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	117	74.4	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	128	116	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	74.1	84.1	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	77.9	97.6	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	97.6	74.1	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	138	88.2	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	88.2	72.4	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	93.0	138	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	105	115	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	106	116	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	116	105	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	86.9	94.8	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	92.6	96.1	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	94.8	92.6	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	101	102	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	102	103	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	98.8	101	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	108	108	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	108	124	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	116	108	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	104	95.8	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	106	104	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	95.8	91.8	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	111	84.7	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	84.7	86.3	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	86.3	96.5	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	110	99.2	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	112	110	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	99.2	95.4	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A111629
Included Lab Sample IDs: 2317660, 2317661, 2317662, 2317663, 2317664, 2317665, 2317666, 2317667, 2317668, 2317669, 2317670, 2317671

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorobutanesulfonic acid (PFBS)	102	103	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	103	89.5	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	89.5	102	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	110	115	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	115	96.9	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	96.9	90.4	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	112	146	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	135	123	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	146	135	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	142	109	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	86.2	95.2	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	95.2	142	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	101	89.9	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	89.9	126	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	99.3	101	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	103	106	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	106	99.8	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	109	103	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	101	92.2	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	105	101	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	92.2	107	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	102	99.3	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	110	102	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	99.3	87.9	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	78.4	154	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	79.0	84.8	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	84.8	78.4	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	113	107	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	114	116	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	116	113	P/P	60 - 160
Perfluorononanoic acid (PFNA)	107	126	P/P	60 - 160
Perfluorononanoic acid (PFNA)	107	107	P/P	60 - 160
Perfluorononanoic acid (PFNA)	126	124	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	102	115	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	115	121	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	121	106	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	105	138	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	155	97.6	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	97.6	105	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	101	103	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	110	97.4	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	97.4	101	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	106	95.2	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	88.5	114	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	95.2	88.5	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	115	87.0	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	141	79.5	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	87.0	141	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	104	87.3	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	87.3	89.9	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	97.5	104	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A111629
Included Lab Sample IDs: 2317660, 2317661, 2317662, 2317663, 2317664, 2317665, 2317666, 2317667, 2317668, 2317669, 2317670, 2317671

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorotridecanoic acid (PFTriA)	142	112	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	73.6	89.1	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	89.1	142	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	103	86.5	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	110	99.8	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	99.8	103	P/P	60 - 160

Reference Method: DEP SOP: LC-001-3
Run ID: A111663
Included Lab Sample IDs: 2317660, 2317662, 2317664, 2317665, 2317666, 2317667, 2317672, 2317673, 2317674, 2317675, 2317676

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	112	96.8	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	80.8	109	P/P	60 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	97.7	105	P/P	60 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	95.6	107	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	120	108	P/P	60 - 160
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	127	97.1	P/P	60 - 160
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	67.5	110	P/P	60 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	106	103	P/P	60 - 160
Hexafluoropropylene oxide dimer acid (HFPO-DA)	97.8	89.4	P/P	60 - 160
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	86.3	94.2	P/P	60 - 160
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	135	124	P/P	60 - 160
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	127	78.2	P/P	60 - 160
Perfluoro-1-butane sulfonamide (FBSA)	78.8	83.2	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	101	84.9	P/P	60 - 160
Perfluoro-1-hexane sulfonamide (FHxSA)	98.4	93.8	P/P	60 - 160
Perfluoro-1-octane sulfonamide (FOSA)	106	102	P/P	60 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	98.1	94.8	P/P	60 - 160
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	125	77.5	P/P	60 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	93.3	70.9	P/P	60 - 160
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	109	91.3	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	111	117	P/P	60 - 160
Perfluorobutanesulfonic acid (PFBS)	96.8	90.2	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	91.1	99.4	P/P	60 - 160
Perfluorobutanoic acid (PFBA)	93.4	104	P/P	60 - 160
Perfluorodecanesulfonic acid (PFDS)	102	94.8	P/P	60 - 160
Perfluorodecanoic acid (PFDA)	92.6	98.5	P/P	60 - 160
Perfluorododecanoic acid (PFDoA)	96.2	74.4	P/P	60 - 160
Perfluoroheptanesulfonic acid (PFHpS)	91.4	78.5	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	104	81.2	P/P	60 - 160
Perfluoroheptanoic acid (PFHpA)	87.7	89.8	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	103	101	P/P	60 - 160
Perfluorohexanesulfonic acid (PFHxS)	128	98.4	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	101	110	P/P	60 - 160
Perfluorohexanoic acid (PFHxA)	82.5	98.8	P/P	60 - 160
Perfluorononanesulfonic acid (PFNS)	106	97.8	P/P	60 - 160
Perfluorononanoic acid (PFNA)	80.9	86.1	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	100	99.8	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	111	98.4	P/P	60 - 160
Perfluorooctanesulfonic acid (PFOS)	96.4	93.4	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: LC-001-3
Run ID: A111663
Included Lab Sample IDs: 2317660, 2317662, 2317664, 2317665, 2317666, 2317667, 2317672, 2317673, 2317674, 2317675, 2317676

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Perfluorooctanoic acid (PFOA)	101	79.5	P/P	60 - 160
Perfluorooctanoic acid (PFOA)	113	107	P/P	60 - 160
Perfluoropentanesulfonic acid (PFPeS)	135	99.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	101	89.5	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	125	88.1	P/P	60 - 160
Perfluoropentanoic acid (PFPeA)	89.5	83.4	P/P	60 - 160
Perfluoropropanesulfonic acid (PFPrS)	114	111	P/P	60 - 160
Perfluorotetradecanoic acid (PFTeA)	113	86.7	P/P	60 - 160
Perfluorotridecanoic acid (PFTriA)	97.9	91.5	P/P	60 - 160
Perfluoroundecanoic acid (PFUnA)	114	73.7	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		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	94.2	101	101			0.636
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	73.4	58.8	62.7			6.45
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	96.4					28.9
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	71.5	114	146			22.6
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	50.5	86.2	93.6			8.16
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	139	113	96.8			15.0
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	116					15.1
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	130	135	125			5.35
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	89.6	136	126			7.73
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	83.7	72.5	68.2			6.14
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	104	126	105			18.2
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	96.3	92.3	90.1			2.45
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	99.4	99.4	95.3			4.19
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	82.1	122	101			18.6
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	102	128	123			4.50
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	113	101	92.8			8.90
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	102	83.7	88.4			5.55
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	134	116	125			7.41
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	114	124	154			21.3
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	88.1	158	152			4.02
	Perfluoro-1-butane sulfonamide (FBSA)	107					16.6
	Perfluoro-1-butane sulfonamide (FBSA)	151	116	130			10.1
	Perfluoro-1-hexane sulfonamide (FHxSA)	87.6					22.4
	Perfluoro-1-hexane sulfonamide (FHxSA)	144	89.6	104			10.5
	Perfluoro-1-octane sulfonamide (FOSA)	88.3	83.2	105			21.9
	Perfluoro-1-octane sulfonamide (FOSA)	103	94.2	84.4			11.0
	Perfluoro-3-methoxypropanoic acid (PFMPA)	119	125	150			17.6
	Perfluoro-3-methoxypropanoic acid (PFMPA)	99.5	101	123			19.5

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	84.4	110	130			16.8
	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	120	101	122			18.5
	Perfluoro-4-methoxybutanoic acid (PFMBA)	108	97.1	144			38.6
	Perfluoro-4-methoxybutanoic acid (PFMBA)	114	98.0	119			19.5
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	92.6	107	106			1.14
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	101	99.3	147			38.8
	Perfluorobutanesulfonic acid (PFBS)	91.3					10.7
	Perfluorobutanesulfonic acid (PFBS)	101	110	91.9			16.9
	Perfluorobutanoic acid (PFBA)	97.8					2.76
	Perfluorobutanoic acid (PFBA)	107					6.86
	Perfluorodecanesulfonic acid (PFDS)	98.4	83.9	96.8			13.4
	Perfluorodecanesulfonic acid (PFDS)	91.2	61.9	63.2			2.01
	Perfluorodecanoic acid (PFDA)	84.8					12.9
	Perfluorodecanoic acid (PFDA)	122	90.2	84.2			5.19
	Perfluorododecanoic acid (PFDoA)	112	113	119			5.16
	Perfluorododecanoic acid (PFDoA)	129	98.9	103			4.20
	Perfluoroheptanesulfonic acid (PFHpS)	76.1					10.9
	Perfluoroheptanesulfonic acid (PFHpS)	110	114	97.0			16.4
	Perfluoroheptanoic acid (PFHpA)	97.3					15.6
	Perfluoroheptanoic acid (PFHpA)	91.2					21.7
	Perfluorohexanesulfonic acid (PFHxS)	75.2					2.87
	Perfluorohexanesulfonic acid (PFHxS)	117	137	112			12.0
	Perfluorohexanoic acid (PFHxA)	78.5					6.56
	Perfluorohexanoic acid (PFHxA)	81.0					21.5
	Perfluorononanesulfonic acid (PFNS)	91.4	150	147			1.10
	Perfluorononanesulfonic acid (PFNS)	93.2	88.0	78.1			11.9
	Perfluorononanoic acid (PFNA)	123					8.39
	Perfluorononanoic acid (PFNA)	81.7	122	103			12.5
	Perfluorooctanesulfonic acid (PFOS)	87.9					1.04
	Perfluorooctanesulfonic acid (PFOS)	88.5					5.65
	Perfluorooctanoic acid (PFOA)	91.4					5.08
	Perfluorooctanoic acid (PFOA)	122					3.94
	Perfluoropentanesulfonic acid (PFPeS)	92.3					10.4
	Perfluoropentanesulfonic acid (PFPeS)	79.0	110	116			4.57
	Perfluoropentanoic acid (PFPeA)	134					19.5
	Perfluoropentanoic acid (PFPeA)	102					2.00
	Perfluoropropanesulfonic acid (PFPrS)	97.2	99.3	97.7			0.567

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: LC-001-3	Perfluoropropanesulfonic acid (PFPrS)	83.6	86.8	96.9			11.0
	Perfluorotetradecanoic acid (PFTeA)	97.8	101	107			5.53
	Perfluorotetradecanoic acid (PFTeA)	116	113	88.1			25.1
	Perfluorotridecanoic acid (PFTriA)	114	86.1	109			23.4
	Perfluorotridecanoic acid (PFTriA)	99.9	100	92.5			7.84
	Perfluoroundecanoic acid (PFUnA)	96.8	120	92.7			11.8
	Perfluoroundecanoic acid (PFUnA)	112	90.9	87.8			3.45

Reference Method Descriptions

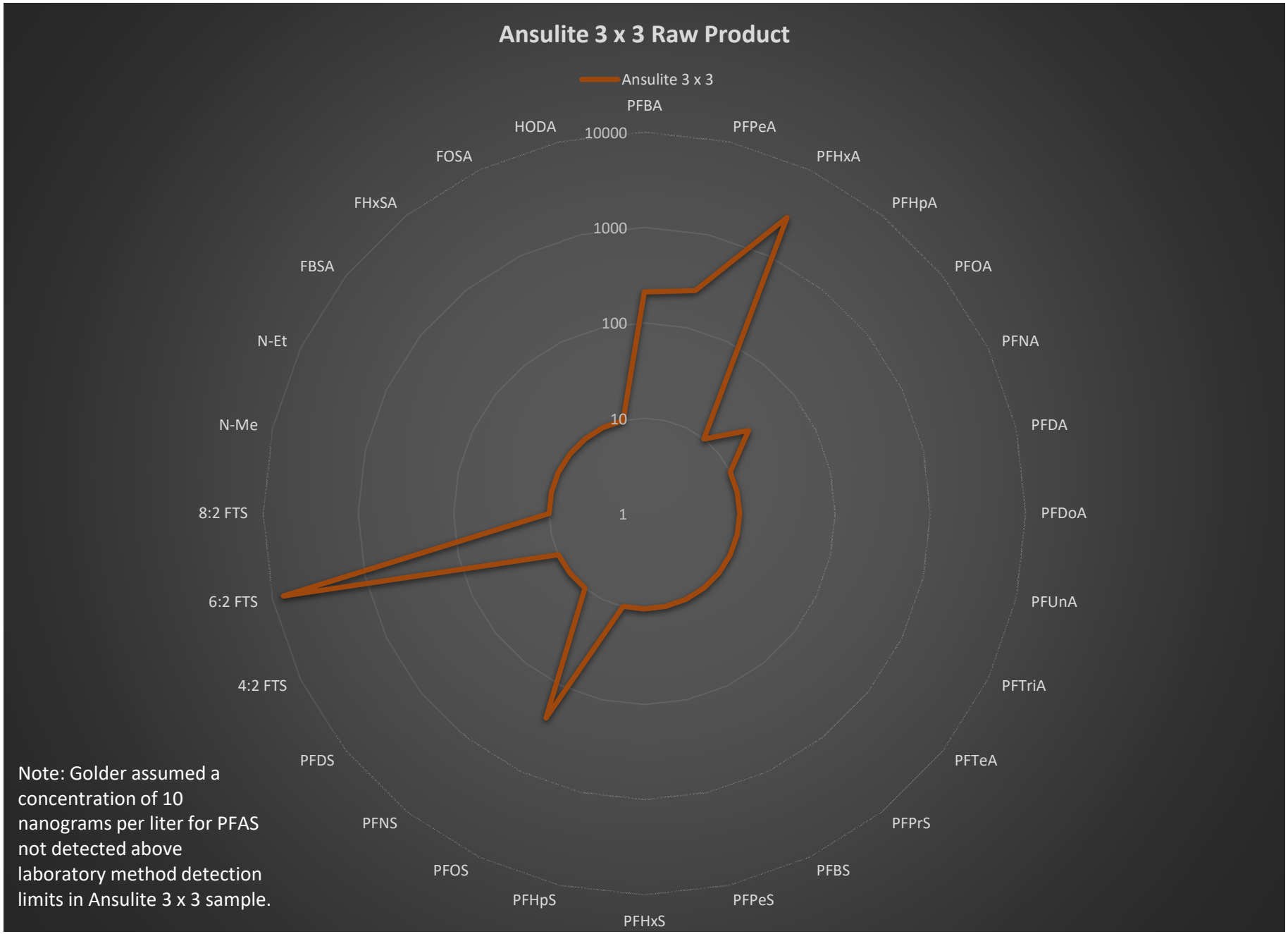
Method	Description	Associated Samples
DEP SOP: LC-001-3	Perfluorinated alkyl substances in water matrices by HPLC/MS/MS	2317660, 2317661, 2317662, 2317663, 2317664, 2317665, 2317666, 2317667, 2317668, 2317669, 2317670, 2317671, 2317672, 2317673, 2317674, 2317675, 2317676

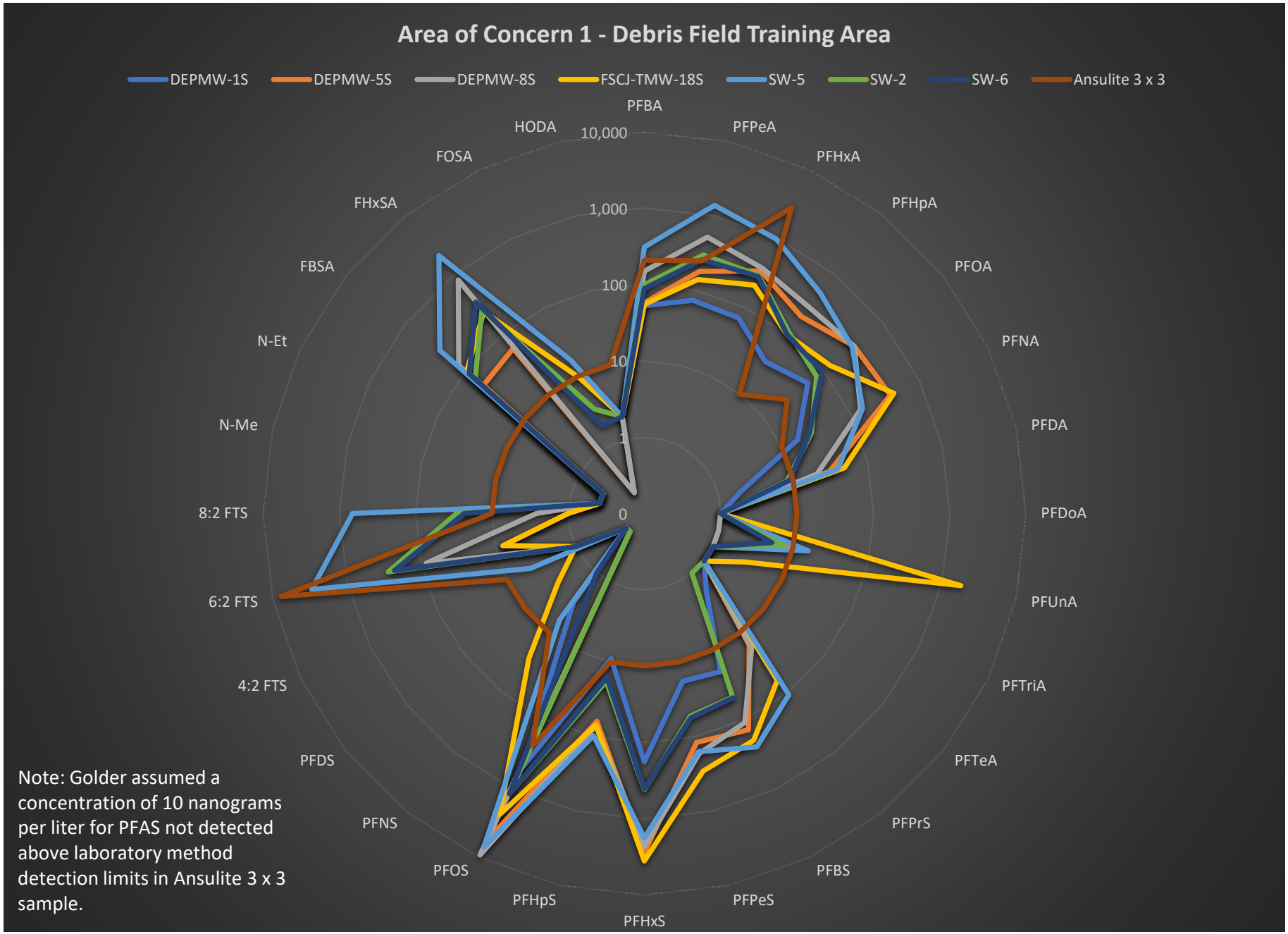
Preparation and Analysis Log

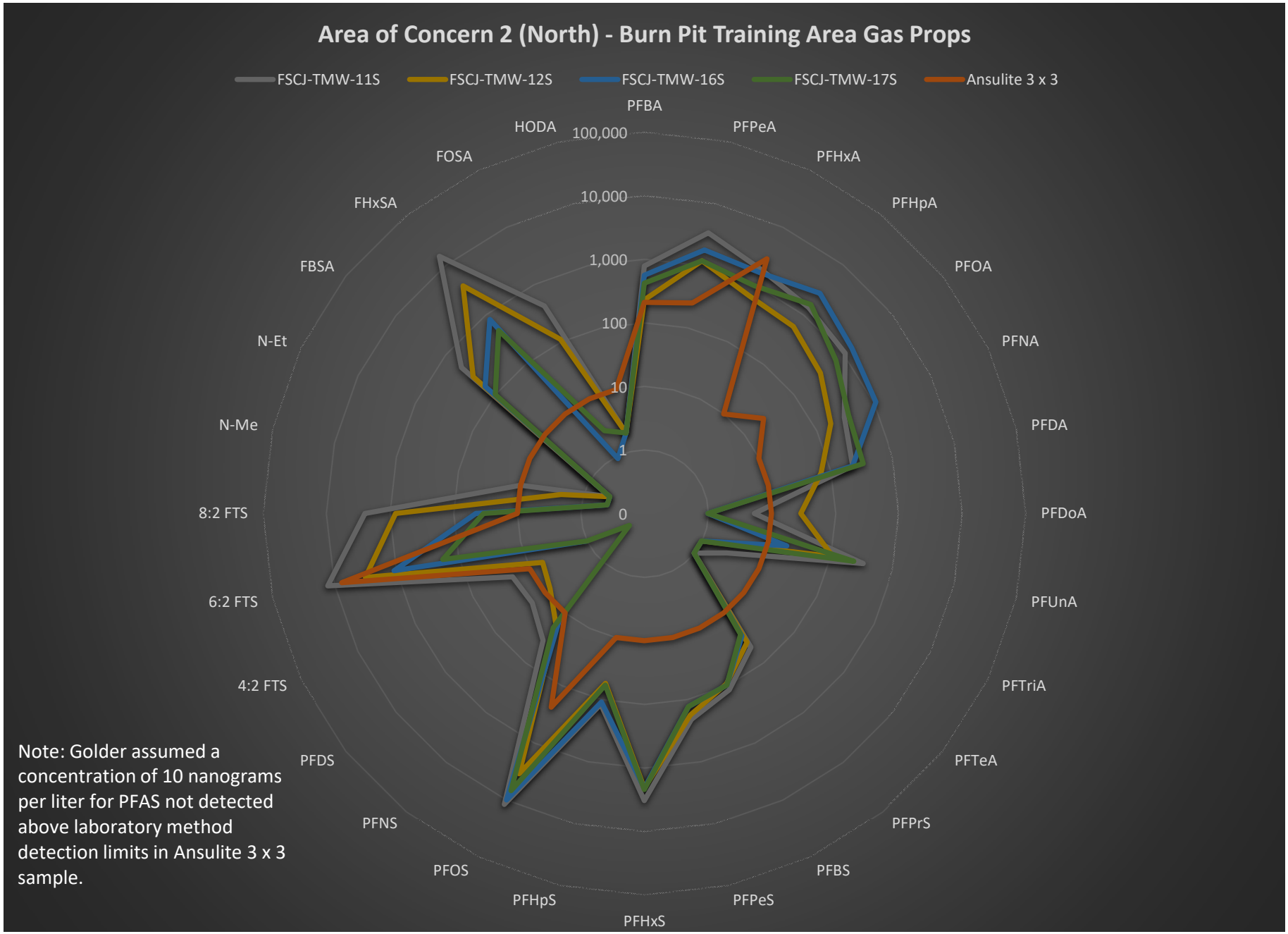
Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: LC-001-3	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/15/2022 01:52	Mohammad Ghaffari	2317670
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/15/2022 02:02	Mohammad Ghaffari	2317671
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/15/2022 03:29	Mohammad Ghaffari	2317660
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/15/2022 03:40	Mohammad Ghaffari	2317661
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/15/2022 04:01	Mohammad Ghaffari	2317662
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/15/2022 04:12	Mohammad Ghaffari	2317663
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/15/2022 04:23	Mohammad Ghaffari	2317664
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/15/2022 04:34	Mohammad Ghaffari	2317665
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/15/2022 04:45	Mohammad Ghaffari	2317666
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/15/2022 04:55	Mohammad Ghaffari	2317667
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/15/2022 05:06	Mohammad Ghaffari	2317668
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/15/2022 05:17	Mohammad Ghaffari	2317669
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/22/2022 02:50	Mohammad Ghaffari	2317660
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/22/2022 03:12	Mohammad Ghaffari	2317662
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/22/2022 03:23	Mohammad Ghaffari	2317664
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/22/2022 03:33	Mohammad Ghaffari	2317665
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/22/2022 03:44	Mohammad Ghaffari	2317665
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/22/2022 03:55	Mohammad Ghaffari	2317666
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/22/2022 04:06	Mohammad Ghaffari	2317667
	04/07/2022	04/12/2022 11:00	Hoor Shaik	04/23/2022 03:54	Mohammad Ghaffari	2317665
	04/07/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 10:53	Mohammad Ghaffari	2317672
	04/07/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 11:03	Mohammad Ghaffari	2317673
	04/07/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 11:14	Mohammad Ghaffari	2317674
	04/07/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 11:25	Mohammad Ghaffari	2317675
	04/07/2022	04/19/2022 09:00	Hoor Shaik	04/22/2022 11:36	Mohammad Ghaffari	2317676

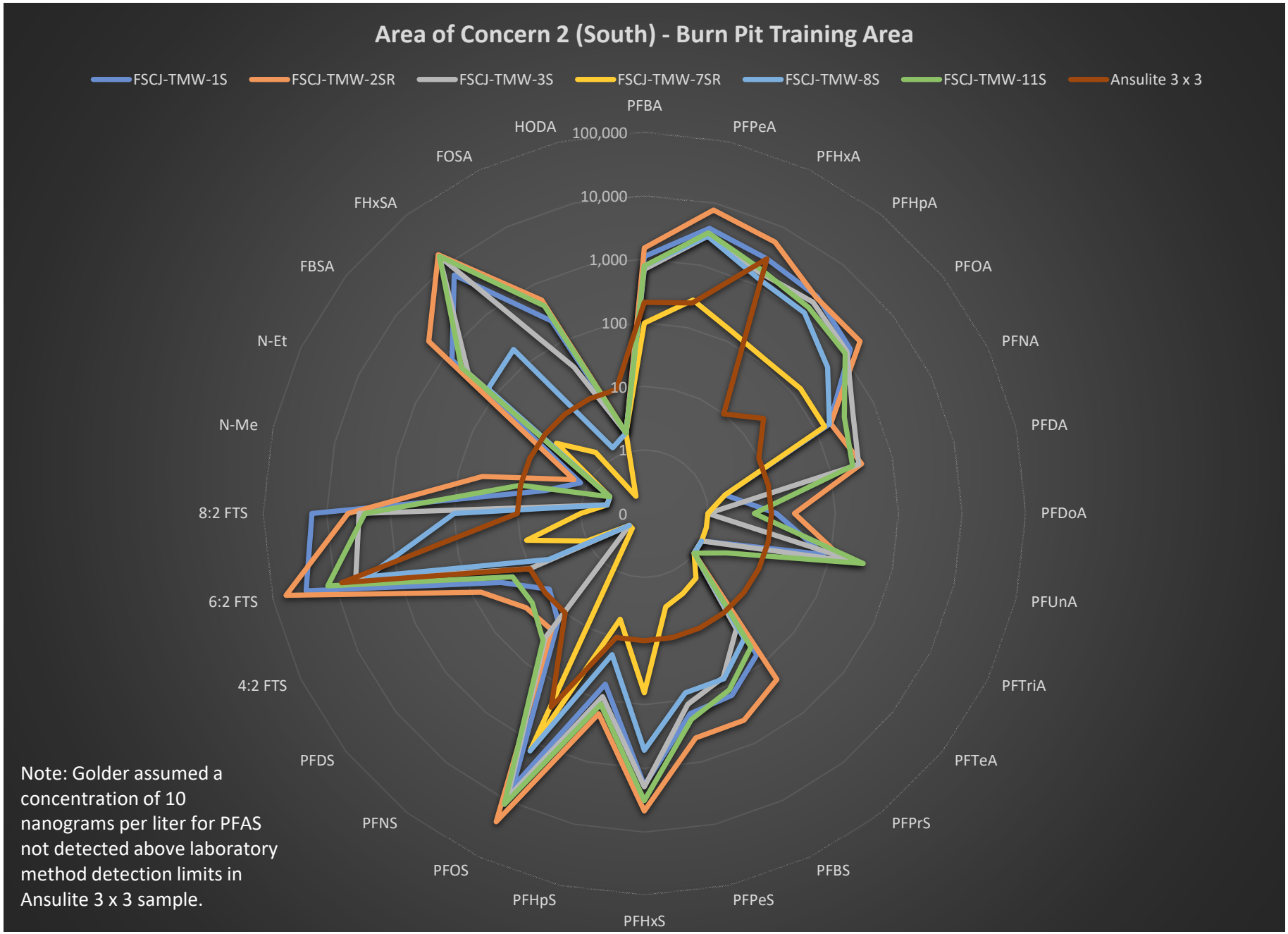
APPENDIX F

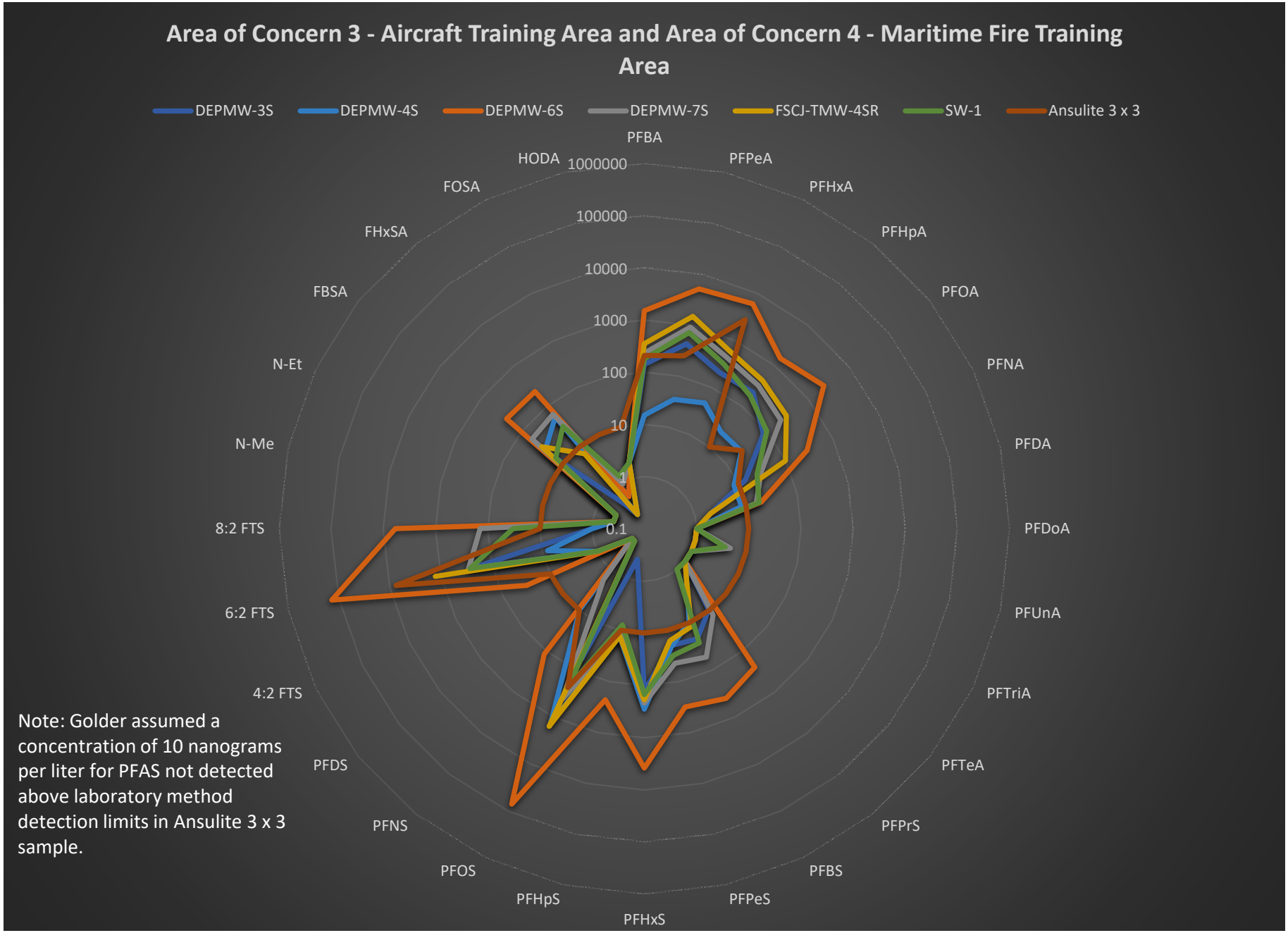
PFAS Signature Radar Charts

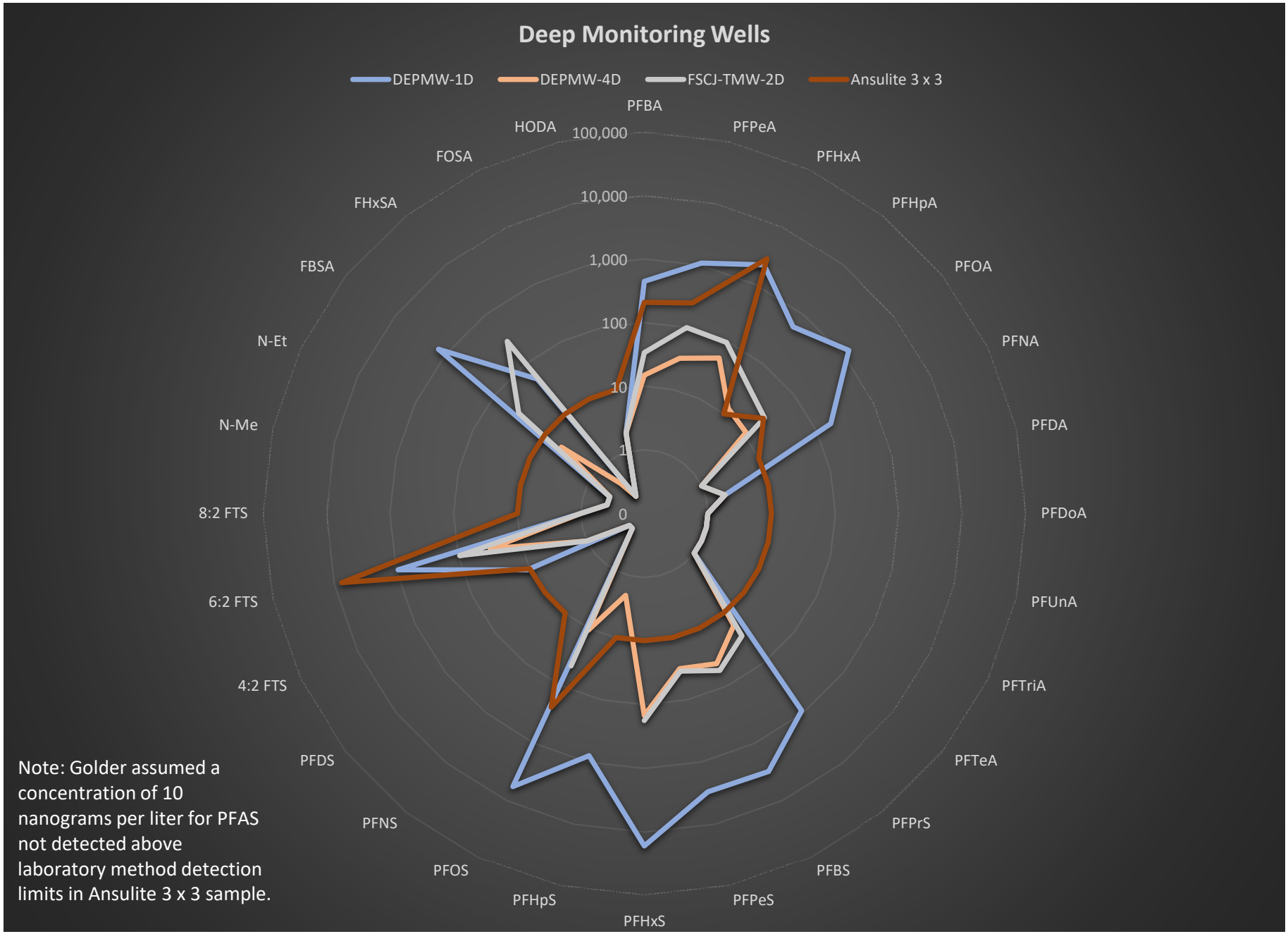

Ansulite 3 x 3 Raw Product
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
10000
1000
100
10
1
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.

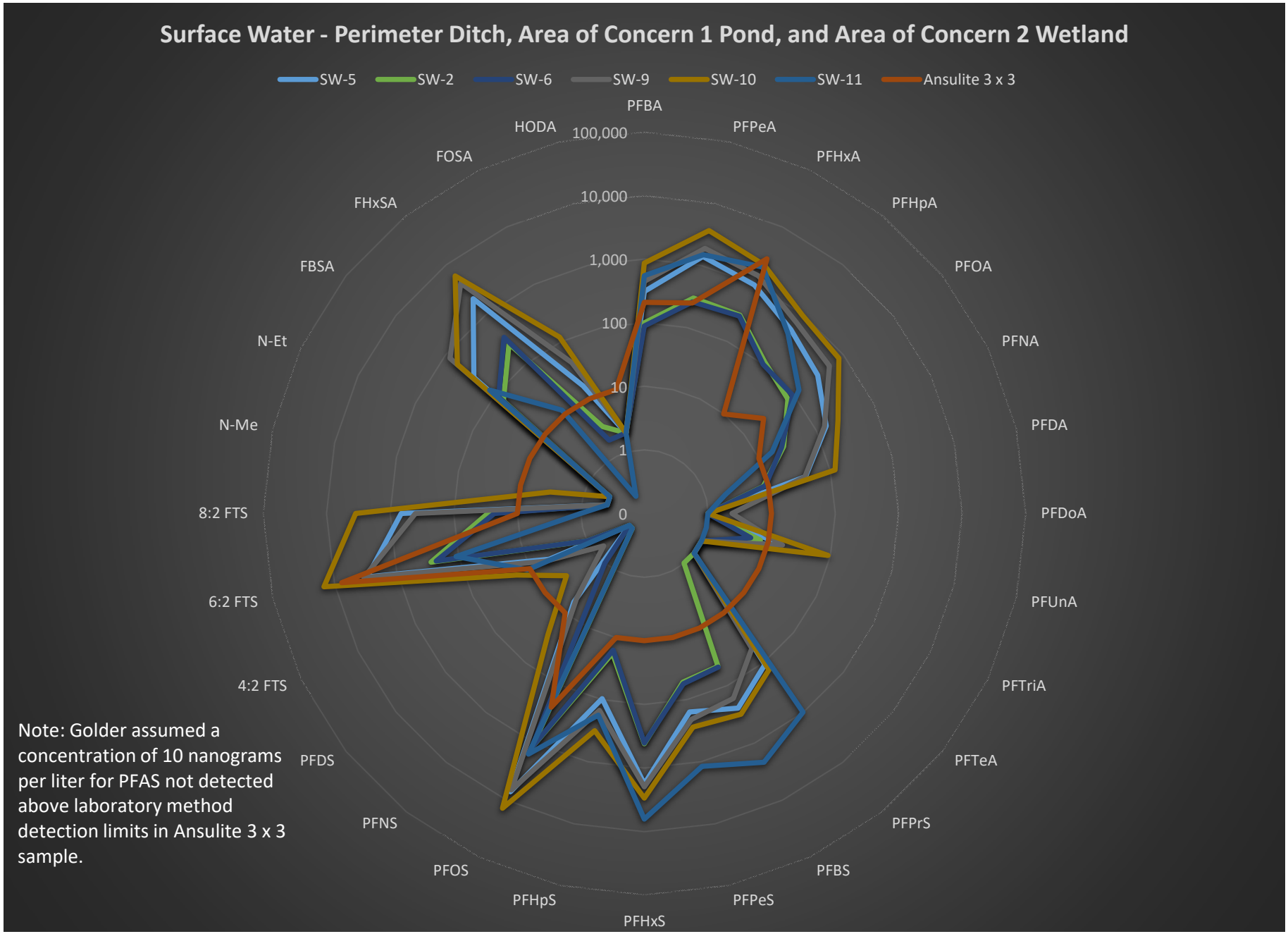

Area of Concern 1 - Debris Field Training Area
DEPMW-1S
DEPMW-5S
DEPMW-8S
FSCJ-TMW-18S
SW-5
SW-2
SW-6
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
10,000
1,000
100
10
1
0
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.

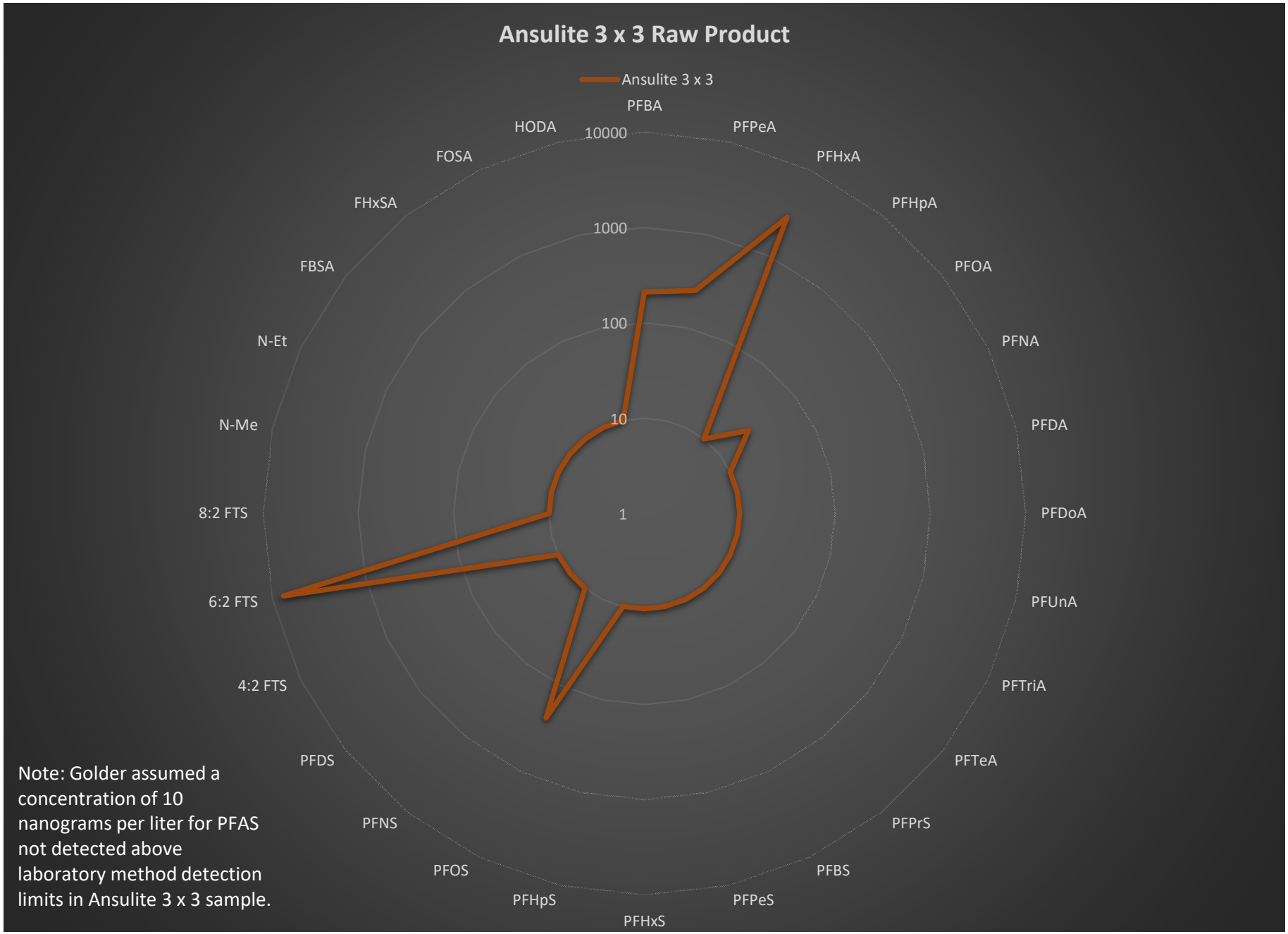

Area of Concern 2 (North) - Burn Pit Training Area Gas Props
FSCJ-TMW-11S
FSCJ-TMW-12S
FSCJ-TMW-16S
FSCJ-TMW-17S
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
100,000
10,000
1,000
100
10
1
0
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.

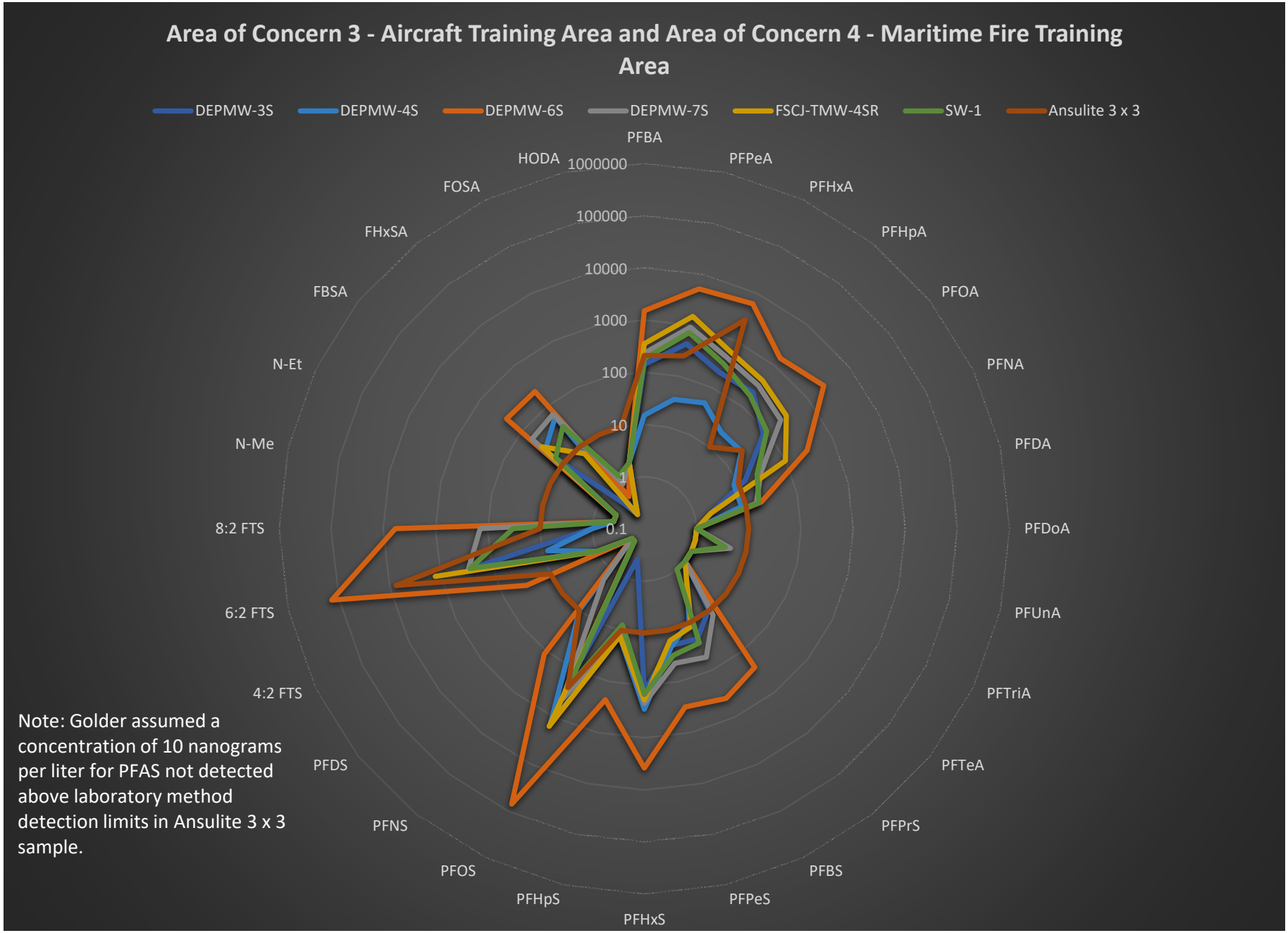

Area of Concern 2 (South) - Burn Pit Training Area
FSCJ-TMW-1S
FSCJ-TMW-2SR
FSCJ-TMW-3S
FSCJ-TMW-7SR
FSCJ-TMW-8S
FSCJ-TMW-11S
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
100,000
10,000
1,000
100
10
1
0
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.

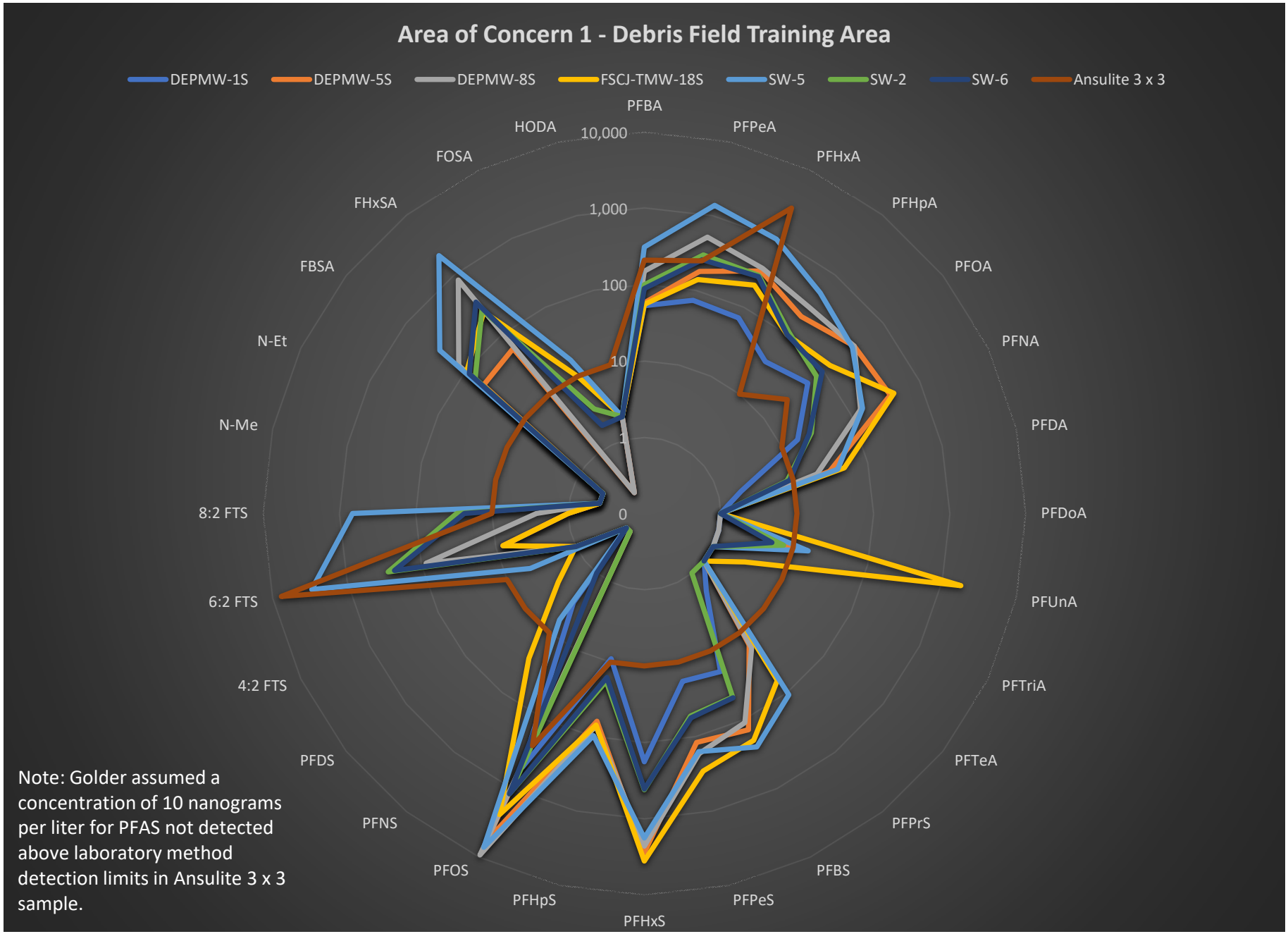

Area of Concern 3 - Aircraft Training Area and Area of Concern 4 - Maritime Fire Training Area
DEPMW-3S
DEPMW-4S
DEPMW-6S
DEPMW-7S
FSCJ-TMW-4SR
SW-1
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
1000000
100000
10000
1000
100
10
1
0.1
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.

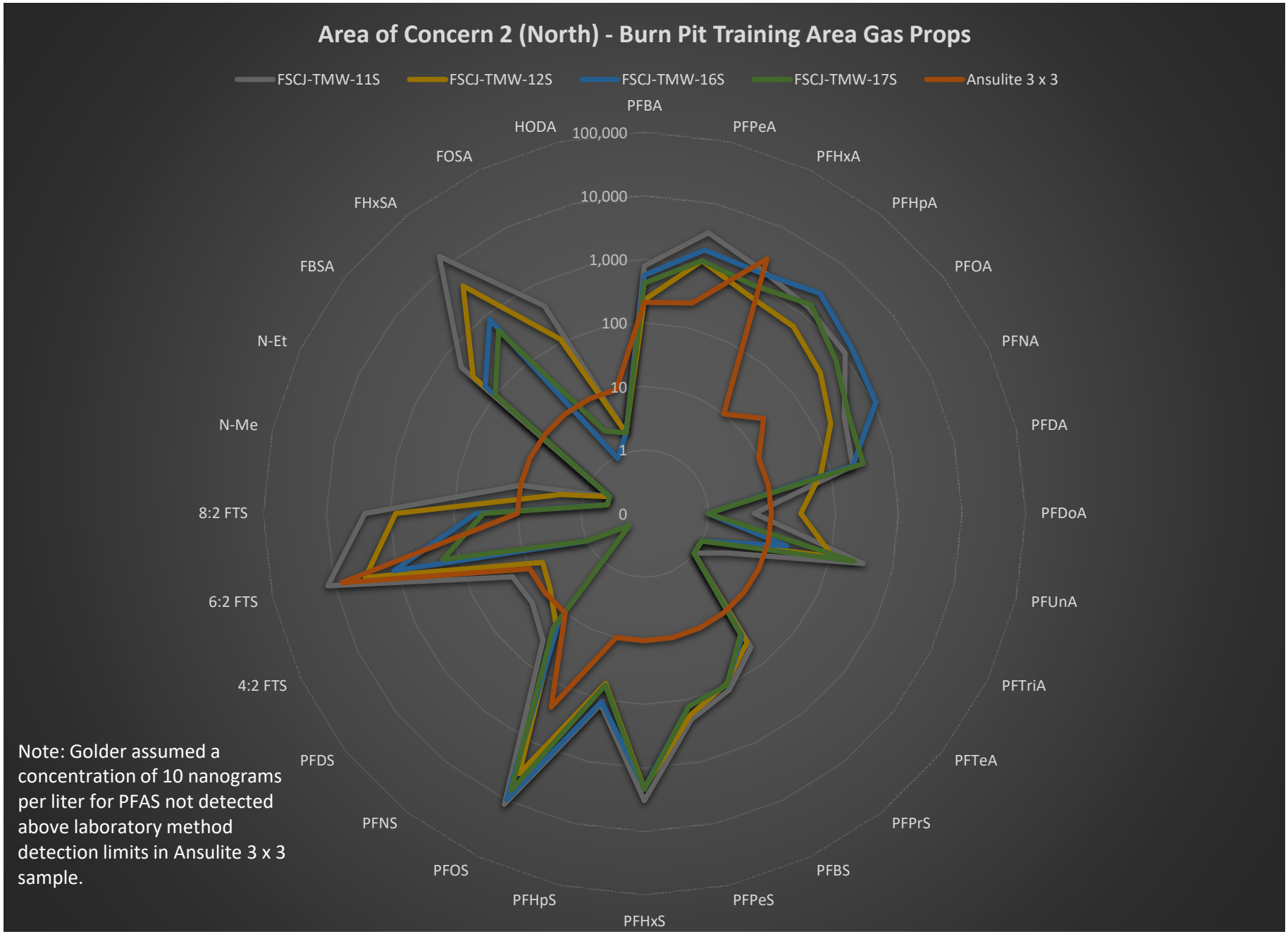

Deep Monitoring Wells
DEPMW-1D
DEPMW-4D
FSCJ-TMW-2D
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
100,000
10,000
1,000
100
10
1
0
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.

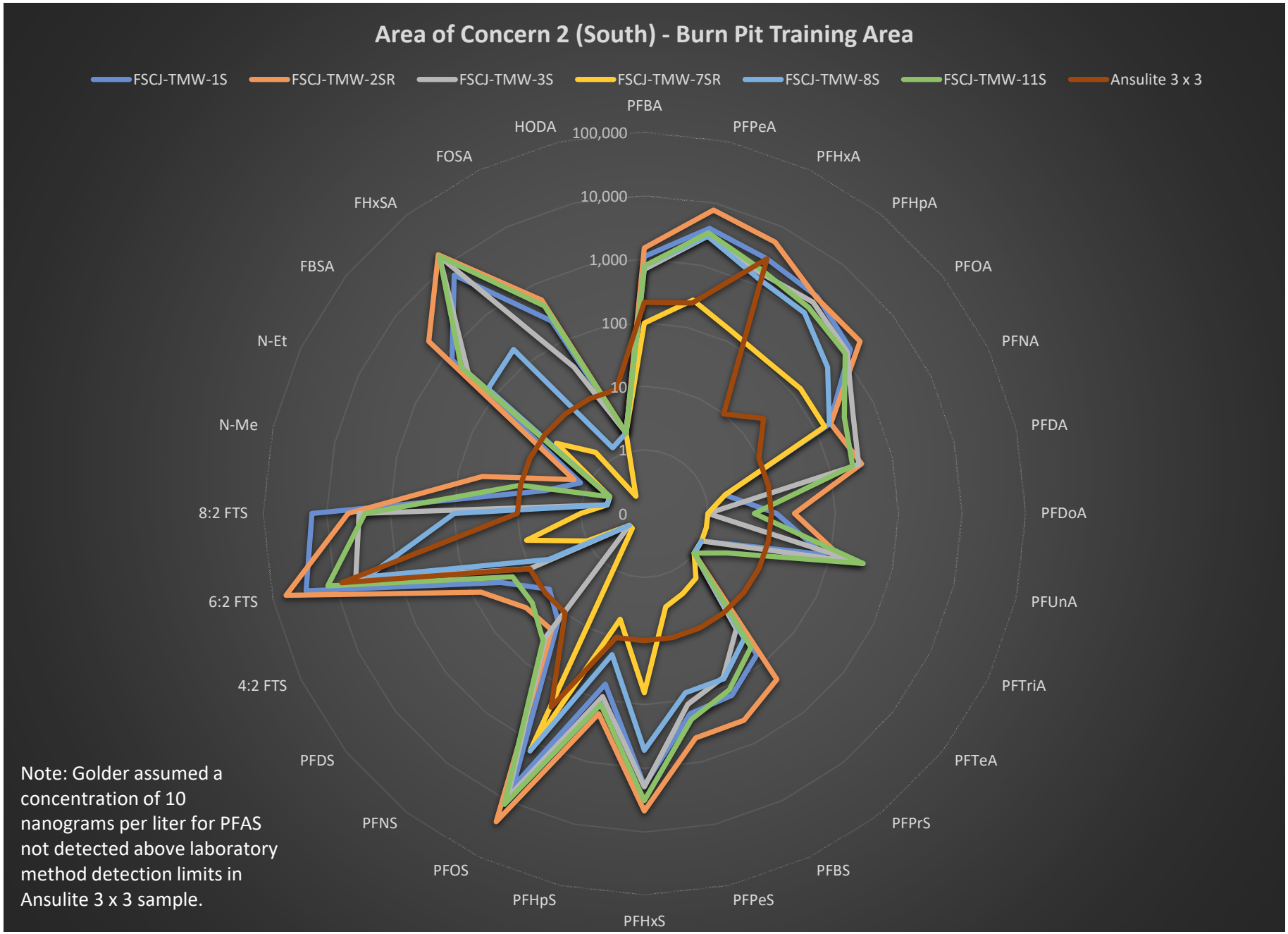

Surface Water - Perimeter Ditch, Area of Concern 1 Pond, and Area of Concern 2 Wetland
SW-5
SW-2
SW-6
SW-9
SW-10
SW-11
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
100,000
10,000
1,000
100
10
1
0
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.

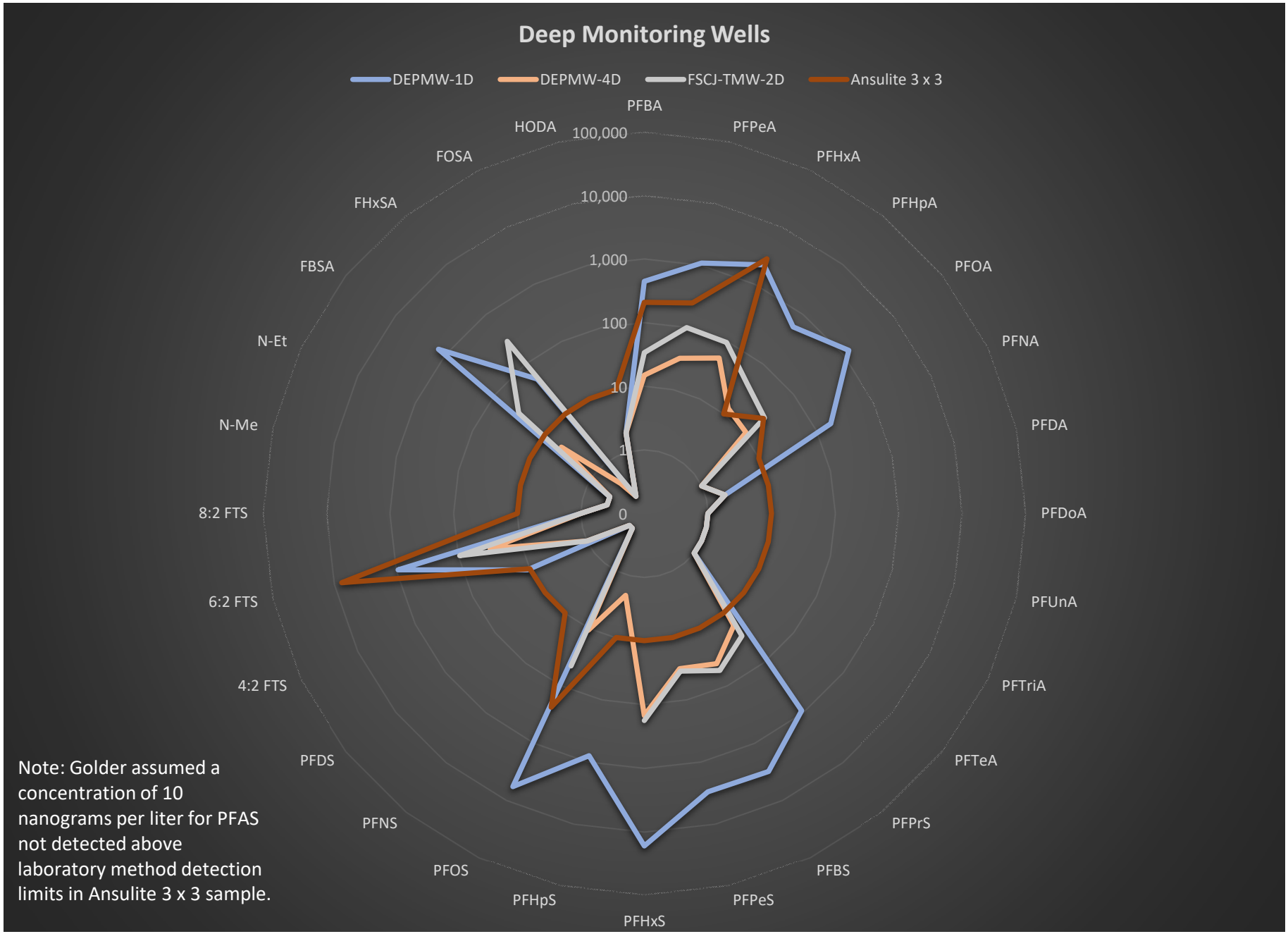

Ansulite 3 x 3 Raw Product
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
10000
1000
100
10
1
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.

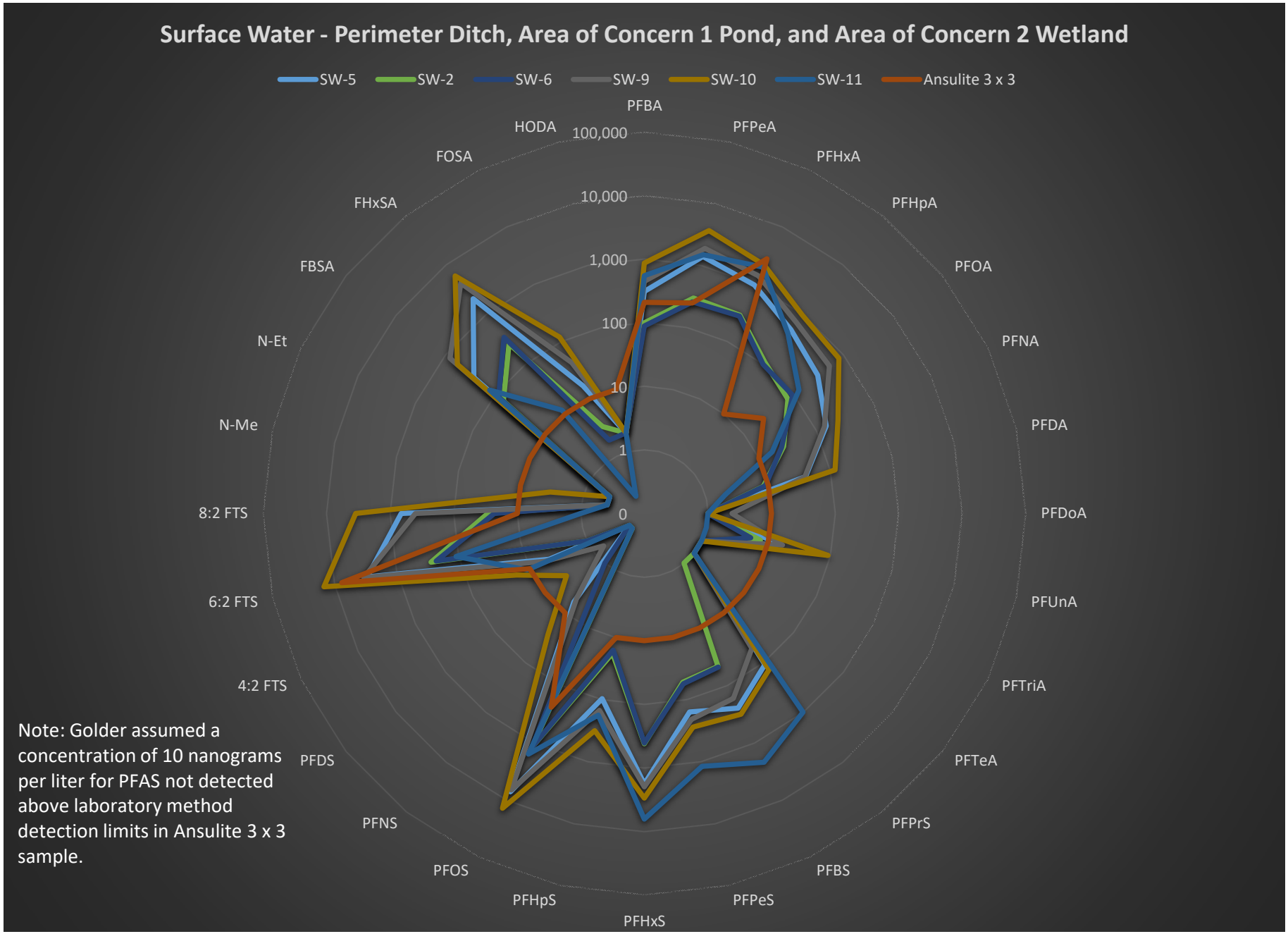

Area of Concern 3 - Aircraft Training Area and Area of Concern 4 - Maritime Fire Training Area
DEPMW-3S
DEPMW-4S
DEPMW-6S
DEPMW-7S
FSCJ-TMW-4SR
SW-1
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
1000000
100000
10000
1000
100
10
1
0.1
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.


Area of Concern 1 - Debris Field Training Area
DEPMW-1S
DEPMW-5S
DEPMW-8S
FSCJ-TMW-18S
SW-5
SW-2
SW-6
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
10,000
1,000
100
10
1
0
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.


Area of Concern 2 (North) - Burn Pit Training Area Gas Props
FSCJ-TMW-11S
FSCJ-TMW-12S
FSCJ-TMW-16S
FSCJ-TMW-17S
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
100,000
10,000
1,000
100
10
1
0
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.


Area of Concern 2 (South) - Burn Pit Training Area
FSCJ-TMW-1S
FSCJ-TMW-2SR
FSCJ-TMW-3S
FSCJ-TMW-7SR
FSCJ-TMW-8S
FSCJ-TMW-11S
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
100,000
10,000
1,000
100
10
1
0
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.


Deep Monitoring Wells
DEPMW-1D
DEPMW-4D
FSCJ-TMW-2D
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
100,000
10,000
1,000
100
10
1
0
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.


Surface Water - Perimeter Ditch, Area of Concern 1 Pond, and Area of Concern 2 Wetland
SW-5
SW-2
SW-6
SW-9
SW-10
SW-11
Ansulite 3 x 3
PFBA
PFPeA
PFHxA
PFHpA
PFOA
PFNA
PFDA
PFDoA
PFUnA
PFTriA
PFTeA
PFPrS
PFBS
PFPeS
PFHxS
PFHpS
PFOS
PFNS
PFDS
4:2 FTS
6:2 FTS
8:2 FTS
N-Me
N-Et
FBSA
FHxSA
FOSA
HODA
100,000
10,000
1,000
100
10
1
0
Note: Golder assumed a concentration of 10 nanograms per liter for PFAS not detected above laboratory method detection limits in Ansulite 3 x 3 sample.

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