UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Laboratory Services and Applied Science Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 20-0169
Project: 20-0169, GAEPD Summerville PFAS Screening - Reported by Diana Burdette

**January 30, 2020**

**4LSASD-LSB**

## MEMORANDUM

**SUBJECT:** FINAL Analytical Report
Project: 20-0169, GAEPD Summerville PFAS Screening

**FROM:** Diana Burdette
OCS Analyst

**THRU:** Jason Collum, Chief
LSB Organic Chemistry Section

**TO:** Nathan Barlet

Attached are the final results for the analytical groups listed below. This report shall not be reproduced except in full without approval of the Region 4 laboratory. These analyses were performed in accordance with the Laboratory Services Branch's Laboratory Operations and Quality Assurance Manual (LSB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the LSB LOQAM specifications and have been qualified by this laboratory if the applicable quality control criteria were not met. Verification is defined in Chapter 5 of the LSB LOQAM. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

| Analyses Included in this report: | Method Used: | Accreditations: |
|---|---|---|
| **Semi Volatile Organics (SVOA)** | | |
| PFAS | ASBPROC-800PFAS (Water) | |

**Sample Disposal Policy**

Due to limited space for long term sample storage, LSB's policy is to dispose of samples on a periodic schedule. Air samples collected in summa canisters will be disposed of 30 days following the issuance of this report. All other sample media including original samples, sample extracts and or digestates will be disposed of, in accordance with applicable regulations, 60 days from the date of this report.

This sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time. If samples require storage beyond the 60-day period, please contact the Sample Control Coordinator by e-mail at R4SampleCustody@epa.gov.

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## SAMPLES INCLUDED IN THIS REPORT

### Project: 20-0169, GAEPD Summerville PFAS Screening

| Sample ID | Laboratory ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| Goodwin Hill Field Blank | E200403-01 | Field Blank | 1/23/20 13:10 | 1/24/20 7:15 |
| Lowe Springs Field Blank | E200403-02 | Field Blank | 1/23/20 12:20 | 1/24/20 7:15 |
| Summerville WTP Field Blank | E200403-03 | Field Blank | 1/23/20 11:30 | 1/24/20 7:15 |
| Trip Blank | E200403-04 | Trip Blank - Water | 1/23/20 10:50 | 1/24/20 7:15 |
| Goodwin Hill Tank | E200403-05 | Potable Water | 1/23/20 13:05 | 1/24/20 7:15 |
| Lowe Spring Raw | E200403-06 | Municipal Water Supply | 1/23/20 12:00 | 1/24/20 7:15 |
| Lowe Springs Finished | E200403-07 | Potable Water | 1/23/20 12:10 | 1/24/20 7:15 |
| Raccoon Creek | E200403-08 | Municipal Water Supply | 1/23/20 11:00 | 1/24/20 7:15 |
| Raccoon Creek Dup | E200403-09 | Municipal Water Supply | 1/23/20 11:05 | 1/24/20 7:15 |
| Raccoon Creek Finished | E200403-10 | Potable Water | 1/23/20 11:25 | 1/24/20 7:15 |

## DATA QUALIFIER DEFINITIONS

| | |
|---|---|
| U | The analyte was not detected at or above the reporting limit. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| QM-1 | Matrix Spike Recovery less than method control limits |

## ACRONYMS AND ABBREVIATIONS

CAS Chemical Abstracts Service

Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.

MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.

TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

ACCREDITATIONS:

ISO ASB is accredited by ISO/IEC 17025, including an amplification for forensic accreditation through ANSI-ASQ National Accreditation Board.

Refer to the certificate and scope of accreditation AT-1644 at:
http://www.epa.gov/aboutepa/about-region-4s-science-and-ecosystem-support-division-sesd

NR The EPA Region 4 Laboratory has not requested accreditation for this test.

# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Goodwin Hill Field Blank **Lab ID:** E200403-01

**Station ID:** **Matrix:** Field Blank

**Date Collected:** 1/23/20 13:10

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 757124-72-4 | 4:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 27619-97-2 | 6:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 39108-34-4 | 8:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 754-91-6 | FOSA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 13252-13-6 | HFPO-DA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 2355-31-9 | N-MeFOSAA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 375-22-4 | PFBA | 40 | U | ng/L | 40 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 375-73-5 | PFBS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 335-76-2 | PFDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 307-55-1 | PFDoA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 335-77-3 | PFDS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 375-85-9 | PFHpA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 375-92-8 | PFHpS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 307-24-4 | PFHxA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 355-46-4 | PFHxS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 375-95-1 | PFNA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 68259-12-1 | PFNS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 335-67-1 | PFOA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 1763-23-1 | PFOS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 2706-90-3 | PFPeA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Goodwin Hill Field Blank **Lab ID:** E200403-01

**Station ID:** **Matrix:** Field Blank

**Date Collected:** 1/23/20 13:10

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 2706-91-4 | PFPeS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 72629-94-8 | PFTrDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |
| 2058-94-8 | PFUdA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:04 | ASBPROC-800PFAS |

# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Lowe Springs Field Blank **Lab ID:** E200403-02

**Station ID:** **Matrix:** Field Blank

**Date Collected:** 1/23/20 12:20

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 757124-72-4 | 4:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 27619-97-2 | 6:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 39108-34-4 | 8:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 754-91-6 | FOSA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 13252-13-6 | HFPO-DA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 2355-31-9 | N-MeFOSAA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 375-22-4 | PFBA | 40 | U | ng/L | 40 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 375-73-5 | PFBS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 335-76-2 | PFDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 307-55-1 | PFDoA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 335-77-3 | PFDS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 375-85-9 | PFHpA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 375-92-8 | PFHpS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 307-24-4 | PFHxA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 355-46-4 | PFHxS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 375-95-1 | PFNA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 68259-12-1 | PFNS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 335-67-1 | PFOA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 1763-23-1 | PFOS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 2706-90-3 | PFPeA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Lowe Springs Field Blank **Lab ID:** E200403-02

**Station ID:** **Matrix:** Field Blank

**Date Collected:** 1/23/20 12:20

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 2706-91-4 | PFPeS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 72629-94-8 | PFTrDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |
| 2058-94-8 | PFUdA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:26 | ASBPROC-800PFAS |

# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Summerville WTP Field Blank **Lab ID:** E200403-03

**Station ID:** **Matrix:** Field Blank

**Date Collected:** 1/23/20 11:30

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 757124-72-4 | 4:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 27619-97-2 | 6:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 39108-34-4 | 8:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 754-91-6 | FOSA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 13252-13-6 | HFPO-DA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 2355-31-9 | N-MeFOSAA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 375-22-4 | PFBA | 40 | U | ng/L | 40 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 375-73-5 | PFBS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 335-76-2 | PFDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 307-55-1 | PFDoA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 335-77-3 | PFDS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 375-85-9 | PFHpA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 375-92-8 | PFHpS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 307-24-4 | PFHxA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 355-46-4 | PFHxS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 375-95-1 | PFNA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 68259-12-1 | PFNS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 335-67-1 | PFOA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 1763-23-1 | PFOS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 2706-90-3 | PFPeA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Summerville WTP Field Blank **Lab ID:** E200403-03

**Station ID:** **Matrix:** Field Blank

**Date Collected:** 1/23/20 11:30

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 2706-91-4 | PFPeS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 72629-94-8 | PFTrDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |
| 2058-94-8 | PFUdA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 0:48 | ASBPROC-800PFAS |

# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Trip Blank **Lab ID:** E200403-04

**Station ID:** **Matrix:** Trip Blank - Water

**Date Collected:** 1/23/20 10:50

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 757124-72-4 | 4:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 27619-97-2 | 6:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 39108-34-4 | 8:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 754-91-6 | FOSA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 13252-13-6 | HFPO-DA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 2355-31-9 | N-MeFOSAA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 375-22-4 | PFBA | 40 | U | ng/L | 40 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 375-73-5 | PFBS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 335-76-2 | PFDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 307-55-1 | PFDoA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 335-77-3 | PFDS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 375-85-9 | PFHpA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 375-92-8 | PFHpS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 307-24-4 | PFHxA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 355-46-4 | PFHxS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 375-95-1 | PFNA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 68259-12-1 | PFNS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 335-67-1 | PFOA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 1763-23-1 | PFOS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 2706-90-3 | PFPeA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |

# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Trip Blank **Lab ID:** E200403-04

**Station ID:** **Matrix:** Trip Blank - Water

**Date Collected:** 1/23/20 10:50

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 2706-91-4 | PFPeS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 72629-94-8 | PFTrDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |
| 2058-94-8 | PFUdA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:10 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Goodwin Hill Tank **Lab ID:** E200403-05
**Station ID:** GWHT **Matrix:** Potable Water

**Date Collected:** 1/23/20 13:05

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 757124-72-4 | 4:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 27619-97-2 | 6:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 39108-34-4 | 8:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 754-91-6 | FOSA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 13252-13-6 | HFPO-DA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 2355-31-9 | N-MeFOSAA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 375-22-4 | PFBA | 89 | | ng/L | 40 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 375-73-5 | PFBS | 18 | | ng/L | 18 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 335-76-2 | PFDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 307-55-1 | PFDoA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 335-77-3 | PFDS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 375-85-9 | PFHpA | 32 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 375-92-8 | PFHpS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 307-24-4 | PFHxA | 320 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 355-46-4 | PFHxS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 375-95-1 | PFNA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 68259-12-1 | PFNS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 335-67-1 | PFOA | 47 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 1763-23-1 | PFOS | 45 | | ng/L | 18 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 2706-90-3 | PFPeA | 640 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Goodwin Hill Tank **Lab ID:** E200403-05

**Station ID:** GWHT **Matrix:** Potable Water

**Date Collected:** 1/23/20 13:05

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 2706-91-4 | PFPeS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 72629-94-8 | PFTrDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |
| 2058-94-8 | PFUdA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:32 | ASBPROC-800PFAS |

# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Lowe Spring Raw **Lab ID:** E200403-06

**Station ID:** LSWTP **Matrix:** Municipal Water Supply

**Date Collected:** 1/23/20 12:00

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 757124-72-4 | 4:2FTS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 27619-97-2 | 6:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 39108-34-4 | 8:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 754-91-6 | FOSA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 13252-13-6 | HFPO-DA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 2355-31-9 | N-MeFOSAA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 375-22-4 | PFBA | 40 | U | ng/L | 40 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 375-73-5 | PFBS | 17 | U | ng/L | 17 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 335-76-2 | PFDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 307-55-1 | PFDoA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 335-77-3 | PFDS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 375-85-9 | PFHpA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 375-92-8 | PFHpS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 307-24-4 | PFHxA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 355-46-4 | PFHxS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 375-95-1 | PFNA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 68259-12-1 | PFNS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 335-67-1 | PFOA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 1763-23-1 | PFOS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 2706-90-3 | PFPeA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Lowe Spring Raw **Lab ID:** E200403-06

**Station ID:** LSWTP **Matrix:** Municipal Water Supply

**Date Collected:** 1/23/20 12:00

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 2706-91-4 | PFPeS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 72629-94-8 | PFTrDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |
| 2058-94-8 | PFUdA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 1:54 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Lowe Springs Finished **Lab ID:** E200403-07
**Station ID:** LSWTP **Matrix:** Potable Water

**Date Collected:** 1/23/20 12:10

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 757124-72-4 | 4:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 27619-97-2 | 6:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 39108-34-4 | 8:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 754-91-6 | FOSA | 20 | U, J, QM-1 | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 13252-13-6 | HFPO-DA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 2355-31-9 | N-MeFOSAA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 375-22-4 | PFBA | 40 | U | ng/L | 40 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 375-73-5 | PFBS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 335-76-2 | PFDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 307-55-1 | PFDoA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 335-77-3 | PFDS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 375-85-9 | PFHpA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 375-92-8 | PFHpS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 307-24-4 | PFHxA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 355-46-4 | PFHxS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 375-95-1 | PFNA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 68259-12-1 | PFNS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 335-67-1 | PFOA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 1763-23-1 | PFOS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 2706-90-3 | PFPeA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Lowe Springs Finished **Lab ID:** E200403-07

**Station ID:** LSWTP **Matrix:** Potable Water

**Date Collected:** 1/23/20 12:10

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 2706-91-4 | PFPeS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 72629-94-8 | PFTrDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |
| 2058-94-8 | PFUdA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:16 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Raccoon Creek **Lab ID:** E200403-08
**Station ID:** SWTP **Matrix:** Municipal Water Supply

**Date Collected:** 1/23/20 11:00

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 757124-72-4 | 4:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 27619-97-2 | 6:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 39108-34-4 | 8:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 754-91-6 | FOSA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 13252-13-6 | HFPO-DA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 2355-31-9 | N-MeFOSAA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 375-22-4 | PFBA | 80 | | ng/L | 40 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 375-73-5 | PFBS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 335-76-2 | PFDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 307-55-1 | PFDoA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 335-77-3 | PFDS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 375-85-9 | PFHpA | 32 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 375-92-8 | PFHpS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 307-24-4 | PFHxA | 350 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 355-46-4 | PFHxS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 375-95-1 | PFNA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 68259-12-1 | PFNS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 335-67-1 | PFOA | 48 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 1763-23-1 | PFOS | 47 | | ng/L | 18 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 2706-90-3 | PFPeA | 670 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Raccoon Creek **Lab ID:** E200403-08

**Station ID:** SWTP **Matrix:** Municipal Water Supply

**Date Collected:** 1/23/20 11:00

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 2706-91-4 | PFPeS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 72629-94-8 | PFTrDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |
| 2058-94-8 | PFUdA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 2:38 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Raccoon Creek Dup **Lab ID:** E200403-09
**Station ID:** SWTP **Matrix:** Municipal Water Supply

**Date Collected:** 1/23/20 11:05

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 757124-72-4 | 4:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 27619-97-2 | 6:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 39108-34-4 | 8:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 754-91-6 | FOSA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 13252-13-6 | HFPO-DA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 2355-31-9 | N-MeFOSAA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 375-22-4 | PFBA | 89 | | ng/L | 40 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 375-73-5 | PFBS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 335-76-2 | PFDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 307-55-1 | PFDoA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 335-77-3 | PFDS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 375-85-9 | PFHpA | 33 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 375-92-8 | PFHpS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 307-24-4 | PFHxA | 340 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 355-46-4 | PFHxS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 375-95-1 | PFNA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 68259-12-1 | PFNS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 335-67-1 | PFOA | 47 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 1763-23-1 | PFOS | 41 | | ng/L | 18 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 2706-90-3 | PFPeA | 660 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Raccoon Creek Dup **Lab ID:** E200403-09

**Station ID:** SWTP **Matrix:** Municipal Water Supply

**Date Collected:** 1/23/20 11:05

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 2706-91-4 | PFPeS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 72629-94-8 | PFTrDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |
| 2058-94-8 | PFUdA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:00 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Raccoon Creek Finished **Lab ID:** E200403-10
**Station ID:** SWTP **Matrix:** Potable Water

**Date Collected:** 1/23/20 11:25

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 757124-72-4 | 4:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 27619-97-2 | 6:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 39108-34-4 | 8:2FTS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 754-91-6 | FOSA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 13252-13-6 | HFPO-DA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 2355-31-9 | N-MeFOSAA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 375-22-4 | PFBA | 86 | | ng/L | 40 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 375-73-5 | PFBS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 335-76-2 | PFDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 307-55-1 | PFDoA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 335-77-3 | PFDS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 375-85-9 | PFHpA | 32 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 375-92-8 | PFHpS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 307-24-4 | PFHxA | 340 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 355-46-4 | PFHxS | 18 | U | ng/L | 18 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 375-95-1 | PFNA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 68259-12-1 | PFNS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 335-67-1 | PFOA | 49 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 1763-23-1 | PFOS | 49 | | ng/L | 18 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 2706-90-3 | PFPeA | 660 | | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |

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# Semi Volatile Organics

## Project: 20-0169, GAEPD Summerville PFAS Screening

**Sample ID:** Raccoon Creek Finished **Lab ID:** E200403-10

**Station ID:** SWTP **Matrix:** Potable Water

**Date Collected:** 1/23/20 11:25

| CAS Number | Analyte | Results | Qualifiers | Units | MRL | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 2706-91-4 | PFPeS | 19 | U | ng/L | 19 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 72629-94-8 | PFTrDA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |
| 2058-94-8 | PFUdA | 20 | U | ng/L | 20 | 1/29/20 11:39 | 1/30/20 3:22 | ASBPROC-800PFAS |

## Semi Volatile Organics (SVOA) - Quality Control

## US-EPA, Region 4, LSASD

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 2001044 - S PFC** | | | | | | | | | | |
| **Blank (2001044-BLK1)** | | | | Prepared & Analyzed: 01/29/20 | | | | | | |
| **ASBPROC-800PFAS** | | | | | | | | | | |
| 4:2FTS | U | 19 | ng/L | | | | | | | U |
| 6:2FTS | U | 19 | " | | | | | | | U |
| 8:2FTS | U | 19 | " | | | | | | | U |
| FOSA | U | 20 | " | | | | | | | U |
| HFPO-DA | U | 20 | " | | | | | | | U |
| N-MeFOSAA | U | 20 | " | | | | | | | U |
| PFBA | U | 40 | " | | | | | | | U |
| PFBS | U | 18 | " | | | | | | | U |
| PFDA | U | 20 | " | | | | | | | U |
| PFDoA | U | 20 | " | | | | | | | U |
| PFDS | U | 19 | " | | | | | | | U |
| PFHpA | U | 20 | " | | | | | | | U |
| PFHpS | U | 19 | " | | | | | | | U |
| PFHxA | U | 20 | " | | | | | | | U |
| PFHxS | U | 18 | " | | | | | | | U |
| PFNA | U | 20 | " | | | | | | | U |
| PFNS | U | 19 | " | | | | | | | U |
| PFOA | U | 20 | " | | | | | | | U |
| PFOS | U | 18 | " | | | | | | | U |
| PFPeA | U | 20 | " | | | | | | | U |
| PFPeS | U | 19 | " | | | | | | | U |
| PFTrDA | U | 20 | " | | | | | | | U |
| PFUdA | U | 20 | " | | | | | | | U |
| **LCS (2001044-BS1)** | | | | Prepared & Analyzed: 01/29/20 | | | | | | |
| **ASBPROC-800PFAS** | | | | | | | | | | |
| 4:2FTS | 297 | 19 | ng/L | 374.00 | | 79.3 | 67.1-125 | | | |
| 6:2FTS | 306 | 19 | " | 380.00 | | 80.6 | 49.2-134 | | | |
| 8:2FTS | 331 | 19 | " | 384.00 | | 86.1 | 56.4-136 | | | |
| FOSA | 322 | 20 | " | 400.00 | | 80.5 | 57.7-148 | | | |
| HFPO-DA | 396 | 20 | " | 400.00 | | 98.9 | 51.1-127 | | | |
| N-MeFOSAA | 321 | 20 | " | 400.00 | | 80.3 | 43.2-178 | | | |
| PFBA | 311 | 40 | " | 400.00 | | 77.8 | 67.9-118 | | | |
| PFBS | 279 | 18 | " | 354.00 | | 78.7 | 68.2-118 | | | |
| PFDA | 324 | 20 | " | 400.00 | | 81.1 | 47.4-162 | | | |
| PFDoA | 301 | 20 | " | 400.00 | | 75.3 | 56.5-155 | | | |
| PFDS | 311 | 19 | " | 386.00 | | 80.6 | 35.1-168 | | | |
| PFHpA | 326 | 20 | " | 400.00 | | 81.4 | 72.8-116 | | | |
| PFHpS | 307 | 19 | " | 380.00 | | 80.7 | 59.7-130 | | | |

## Semi Volatile Organics (SVOA) - Quality Control

## US-EPA, Region 4, LSASD

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 2001044 - S PFC** | | | | | | | | | | |
| **LCS (2001044-BS1)** | | | | Prepared & Analyzed: 01/29/20 | | | | | | |
| PFHxA | 328 | 20 | ng/L | 400.00 | | 81.9 | 62.6-127 | | | |
| PFHxS | 299 | 18 | " | 364.80 | | 81.9 | 69.5-117 | | | |
| PFNA | 327 | 20 | " | 400.00 | | 81.7 | 64.1-128.4 | | | |
| PFNS | 287 | 19 | " | 384.00 | | 74.7 | 63.3-126 | | | |
| PFOA | 323 | 20 | " | 400.00 | | 80.8 | 66.7-122 | | | |
| PFOS | 298 | 18 | " | 370.20 | | 80.5 | 70.4-122 | | | |
| PFPeA | 324 | 20 | " | 400.00 | | 80.9 | 72-115 | | | |
| PFPeS | 309 | 19 | " | 376.00 | | 82.3 | 69-117 | | | |
| PFTrDA | 276 | 20 | " | 400.00 | | 69.0 | 32.2-215 | | | |
| PFUdA | 329 | 20 | " | 400.00 | | 82.3 | 65.8-142 | | | |
| **Matrix Spike (2001044-MS1)** | **Source: E200403-07** | | | Prepared: 01/29/20 Analyzed: 01/30/20 | | | | | | |
| **ASBPROC-800PFAS** | | | | | | | | | | |
| 4:2FTS | 247 | 18 | ng/L | 302.10 | U | 81.8 | 70-133 | | | |
| 6:2FTS | 238 | 19 | " | 306.95 | U | 77.7 | 58-143 | | | |
| 8:2FTS | 246 | 19 | " | 310.18 | U | 79.2 | 66-126 | | | |
| FOSA | 166 | 20 | " | 323.10 | U | 51.4 | 61-138 | | | QM-1 |
| HFPO-DA | 333 | 20 | " | 323.10 | U | 103 | 45-129 | | | |
| N-MeFOSAA | 266 | 20 | " | 323.10 | U | 82.2 | 47-169 | | | |
| PFBA | 241 | 39 | " | 323.10 | U | 74.7 | 60-141 | | | |
| PFBS | 212 | 17 | " | 285.95 | U | 74.1 | 62-135 | | | |
| PFDA | 267 | 20 | " | 323.10 | U | 82.6 | 53-156 | | | |
| PFDoA | 226 | 20 | " | 323.10 | U | 70.0 | 30-172 | | | |
| PFDS | 206 | 19 | " | 311.79 | U | 66.1 | 44-151 | | | |
| PFHpA | 272 | 20 | " | 323.10 | U | 84.1 | 75-122 | | | |
| PFHpS | 257 | 19 | " | 306.95 | U | 83.7 | 66-132 | | | |
| PFHxA | 271 | 20 | " | 323.10 | U | 83.9 | 64-138 | | | |
| PFHxS | 254 | 18 | " | 294.67 | U | 86.3 | 72-124 | | | |
| PFNA | 265 | 20 | " | 323.10 | U | 82.1 | 72-129 | | | |
| PFNS | 219 | 19 | " | 310.18 | U | 70.6 | 61-126 | | | |
| PFOA | 268 | 20 | " | 323.10 | U | 83.1 | 74-127 | | | |
| PFOS | 252 | 18 | " | 299.03 | U | 84.1 | 68-132 | | | |
| PFPeA | 264 | 20 | " | 323.10 | U | 81.6 | 75-122 | | | |
| PFPeS | 255 | 19 | " | 303.72 | U | 83.9 | 72-122 | | | |
| PFTrDA | 201 | 20 | " | 323.10 | U | 62.2 | 10-193 | | | |
| PFUdA | 252 | 20 | " | 323.10 | U | 78.1 | 44-164 | | | |

## Semi Volatile Organics (SVOA) - Quality Control

## US-EPA, Region 4, LSASD

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 2001044 - S PFC** | | | | | | | | | | |
| **Matrix Spike Dup (2001044-MSD1)** | **Source: E200403-07** | | | Prepared: 01/29/20 Analyzed: 01/30/20 | | | | | | |
| **ASBPROC-800PFAS** | | | | | | | | | | |
| 4:2FTS | 240 | 19 | ng/L | 285.50 | U | 84.1 | 70-133 | 2.87 | 34 | |
| 6:2FTS | 268 | 19 | " | 290.08 | U | 92.3 | 58-143 | 11.6 | 45 | |
| 8:2FTS | 291 | 19 | " | 293.13 | U | 99.2 | 66-126 | 16.8 | 56 | |
| FOSA | 194 | 20 | " | 305.34 | U | 63.5 | 61-138 | 15.5 | 39 | |
| HFPO-DA | 328 | 20 | " | 305.34 | U | 107 | 45-129 | 1.37 | 57 | |
| N-MeFOSAA | 265 | 20 | " | 305.34 | U | 86.7 | 47-169 | 0.384 | 65 | |
| PFBA | 230 | 40 | " | 305.34 | U | 75.3 | 60-141 | 4.84 | 37 | |
| PFBS | 204 | 18 | " | 270.23 | U | 75.7 | 62-135 | 3.51 | 32 | |
| PFDA | 278 | 20 | " | 305.34 | U | 91.2 | 53-156 | 4.21 | 57 | |
| PFDoA | 245 | 20 | " | 305.34 | U | 80.4 | 30-172 | 8.09 | 56 | |
| PFDS | 231 | 19 | " | 294.66 | U | 78.5 | 44-151 | 11.6 | 66 | |
| PFHpA | 273 | 20 | " | 305.34 | U | 89.6 | 75-122 | 0.650 | 26 | |
| PFHpS | 260 | 19 | " | 290.08 | U | 89.6 | 66-132 | 1.17 | 28 | |
| PFHxA | 265 | 20 | " | 305.34 | U | 86.7 | 64-138 | 2.37 | 42 | |
| PFHxS | 250 | 18 | " | 278.47 | U | 89.6 | 72-124 | 1.90 | 32 | |
| PFNA | 279 | 20 | " | 305.34 | U | 91.3 | 72-129 | 5.05 | 31 | |
| PFNS | 230 | 19 | " | 293.13 | U | 78.6 | 61-126 | 5.02 | 35 | |
| PFOA | 268 | 20 | " | 305.34 | U | 87.7 | 74-127 | 0.220 | 32 | |
| PFOS | 259 | 18 | " | 282.60 | U | 91.7 | 68-132 | 2.99 | 37 | |
| PFPeA | 265 | 20 | " | 305.34 | U | 86.8 | 75-122 | 0.454 | 27 | |
| PFPeS | 258 | 19 | " | 287.02 | U | 89.7 | 72-122 | 1.12 | 29 | |
| PFTrDA | 244 | 20 | " | 305.34 | U | 79.9 | 10-193 | 19.3 | 106 | |
| PFUdA | 269 | 20 | " | 305.34 | U | 88.2 | 44-164 | 6.49 | 48 | |
| **MRL Verification (2001044-PS1)** | | | | Prepared & Analyzed: 01/29/20 | | | | | | |
| **ASBPROC-800PFAS** | | | | | | | | | | |
| 4:2FTS | 17.0 | 19 | ng/L | 18.700 | | 91.0 | 47.1-145 | | | MRL-2, Q-2, J |
| 6:2FTS | 22.5 | 19 | " | 19.000 | | 119 | 29.2-154 | | | MRL-2 |
| 8:2FTS | 20.3 | 19 | " | 19.200 | | 106 | 36.4-156 | | | MRL-2 |
| FOSA | 13.8 | 20 | " | 20.000 | | 68.9 | 37.7-168 | | | MRL-2, Q-2, J |
| HFPO-DA | 14.6 | 20 | " | 20.000 | | 73.2 | 31.3-147 | | | MRL-2, Q-2, J |
| N-MeFOSAA | 11.7 | 20 | " | 20.000 | | 58.4 | 23.2-198 | | | MRL-2, Q-2, J |
| PFBS | 16.6 | 18 | " | 17.700 | | 93.5 | 48.2-138 | | | MRL-2, Q-2, J |
| PFDA | 19.7 | 20 | " | 20.000 | | 98.3 | 27.4-182 | | | MRL-2, Q-2, J |

## Semi Volatile Organics (SVOA) - Quality Control

## US-EPA, Region 4, LSASD

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 2001044 - S PFC** | | | | | | | | | | |
| **MRL Verification (2001044-PS1)** | | | | Prepared & Analyzed: 01/29/20 | | | | | | |
| PFDoA | 18.9 | 20 | ng/L | 20.000 | | 94.6 | 36.5-175 | | | MRL-2, Q-2, J |
| PFDS | 20.4 | 19 | " | 19.300 | | 105 | 15.1-188 | | | MRL-2 |
| PFHpA | 19.5 | 20 | " | 20.000 | | 97.6 | 52.8-136 | | | MRL-2, Q-2, J |
| PFHpS | 18.5 | 19 | " | 19.000 | | 97.4 | 39.7-150 | | | MRL-2, Q-2, J |
| PFHxA | 16.8 | 20 | " | 20.000 | | 83.9 | 42.6-147 | | | MRL-2, Q-2, J |
| PFHxS | 15.7 | 18 | " | 18.240 | | 86.1 | 49.5-138 | | | MRL-2, Q-2, J |
| PFNA | 18.0 | 20 | " | 20.000 | | 89.8 | 44.1-148 | | | MRL-2, Q-2, J |
| PFNS | 15.1 | 19 | " | 19.200 | | 78.8 | 43.3-146 | | | MRL-2, Q-2, J |
| PFOA | 18.9 | 20 | " | 20.000 | | 94.7 | 46.7-142 | | | MRL-2, Q-2, J |
| PFOS | 20.6 | 18 | " | 18.510 | | 111 | 50.4-142 | | | MRL-2 |
| PFPeA | 19.3 | 20 | " | 20.000 | | 96.5 | 52-135 | | | MRL-2, Q-2, J |
| PFPeS | 18.2 | 19 | " | 18.800 | | 97.0 | 49-137 | | | MRL-2, Q-2, J |
| PFTrDA | 19.3 | 20 | " | 20.000 | | 96.7 | 12.2-235 | | | MRL-2, Q-2, J |
| PFUdA | 21.2 | 20 | " | 20.000 | | 106 | 45.8-162 | | | MRL-2 |
| **MRL Verification (2001044-PS2)** | | | | Prepared & Analyzed: 01/29/20 | | | | | | |
| **ASBPROC-800PFAS** | | | | | | | | | | |
| PFBA | 34.3 | 40 | ng/L | 40.000 | | 85.7 | 47.9-138 | | | MRL-2, Q-2, J |

## Notes and Definitions for QC Samples

| | |
|---|---|
| U | The analyte was not detected at or above the reporting limit. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| MRL-2 | MRL verification for Non-Potable Water matrix |
| Q-2 | Result greater than MDL but less than MRL. |
| QM-1 | Matrix Spike Recovery less than method control limits |