# Technical Report

prepared for:

**JS Held (Hoboken, NJ)**
79 Hudson Street, Suite 701
Hoboken NJ, 07030
**Attention: Jake Twill**

Report Date: 07/14/2026
**Client Project ID: 70 Fernbook Street, Yonkers, NY**
Project (SDG) No.: 26F1775

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Project (SDG) No.: 26F1775

**JS Held (Hoboken, NJ)**
79 Hudson Street, Suite 701
Hoboken NJ, 07030
Attention: Jake Twill

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 30, 2026 and listed below. The project was identified as your project: **70 Fernbook Street, Yonkers, NY**.

The analyses were conducted utilizing appropriate EPA methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

Please contact Client Services at 203.325.1371 with any questions regarding this report or e-mail nastr.clientservices@alsglobal.com.

| Sample ID | Client Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| 26F1775-01 | MW-15 | Ground Water | 06/29/2026 | 06/30/2026 |
| 26F1775-02 | MW8D | Ground Water | 06/29/2026 | 06/30/2026 |
| 26F1775-03 | MW-2 | Ground Water | 06/29/2026 | 06/30/2026 |
| 26F1775-04 | MW-14 | Ground Water | 06/29/2026 | 06/30/2026 |
| 26F1775-05 | MW-16 | Ground Water | 06/29/2026 | 06/30/2026 |
| 26F1775-06 | DUP-2 | Ground Water | 06/29/2026 | 06/30/2026 |
| 26F1775-07 | MW-18 | Ground Water | 06/29/2026 | 06/30/2026 |
| 26F1775-08 | MW-4 | Ground Water | 06/29/2026 | 06/30/2026 |
| 26F1775-09 | MW-17 | Ground Water | 06/29/2026 | 06/30/2026 |
| 26F1775-10 | MW-3 | Ground Water | 06/29/2026 | 06/30/2026 |
| 26F1775-11 | FB | Ground Water | 06/29/2026 | 06/30/2026 |
| 26F1775-12 | DUP-1 | Ground Water | 06/29/2026 | 06/30/2026 |

## General Notes for Project (SDG) No.: 26F1775

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. ALS' liability for the above data is limited to the dollar value paid to ALS for the referenced project.
4. This report shall not be reproduced without the written approval of ALS, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by ALS.
8. Analyses conducted at ALS, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at ALS, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

**Approved By:** 

Scott Hall
Laboratory Manager - Stratford

**Date:** 07/14/2026

Corrective Action: The lab received a set of three containers labeled DUP-1, but that sample is not present on the chain of custody. DC

**Client Information:**

Company Name: J.S. Held LLC
Address: 79 Hudson Street, Suite 701, Hoboken, NJ 07030
Office Phone # 201 876 9400

**eMail Results to the below:**

Name(s): Leah DeEgidio
eMail Address: LDeEgidio@jsheld.com
eMail Address:

2161 Whitesville Rd.
Toms River, NJ 08755
Ofc: 732-905-5000
Fax: 732-279-4422
email: ptl@ptlabs.net
web: www.ptlabs.net

**Project Information:** 26F1775

Project Name on Results: Yonkers NY - 23022270
Project Address: 70 Fernbrook Street Yonkers NY

Turnaround: Standard (up to 2 weeks) X | 24 HRS | 48 HRS
(Rushes incur additional fees.) 72 HRS | 4-Day | 5-Day

Company to Invoice: (if different)
P.O.# 23022270
Page 2 of 2

**Select NJ Regulatory Criteria:**

| | |
|---|---|
| EPH Guidance | |
| Soil SRS Residential | |
| Soil SRS Non-Residential | |
| Soil Migration to GW | |
| NY GW Quality Standards | X |
| SPLP Health-Based | |
| SPLP Migration to GW | |
| Other: | |

GW=Ground Water WW=Waste Water SW=Surface Water
DW=Drinking Water S=Soil O=Oil L=Liquid SD=Sludge
B=Blank P=Product or Gasoline K=Solid (specify) :_____
**Matrix Codes**

**PRESERVATIVE CODES:** 0=ice 1=HCl 2=$H_2SO_4$ 3=NaOH 4=$HNO_3$ 5=_____

(Lab to Complete) Temperature: °C

**Collection Information**

| Sample ID | Sample Location or Depth (Optional) | Sample Date (MM-DD-YY) | Time Sampled (Military Time) | Sampled by (initials) | Grab (G) or Comp (C) | Matrix CODE * | # of Containers | Container: G=Glass, E=En Core, P=Plastic | VOC+15 | SVOC+15, 1,4 Dioxane | PCB's | Pesticides | Metals | PFAS | Lab Sample # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-18 | | 6.29.26 | 1107 | ZM | G | GW | 11 | | X | X | X | X | X | X | |
| MW-4 | | ↑ | 1217 | ZM | G | GW | 11 | | X | X | X | X | X | X | |
| MW-14 | | | 1352 | ZM | G | GW | 11 | | X | X | X | X | X | X | |
| MW-3 | | | ~~1611~~ 1632 | ZM | G | GW | 11 | | X | X | X | X | X | X | |
| FB | | 6.29.26 | 1638 | CG | G | ~~blank~~ | 10 | | X | X | X | X | X | X | |
| TB | | LAB | LAB | LAB | G | blank | 4 | | X | X | | | | | |

**INSTRUCTIONS:** Contingent BN Naphth+2-Methylnaphth ___ Contingent SPLP 2-Methylnaphth ___ Other ___

**Final Signed Report Type:**
Standard (Results Only) ___ EDD (free download) X
NY Data Package X NJ Full ___ EDD ($20 by email) ___

**SIGN BELOW WHEN DELIVERING SAMPLES.** Each time samples change possession, including courier delivery, custody must be documented.

| Relinquished by: | Received by: | Relinquished by: | Received by: | Relinquished by: | Received by: |
|---|---|---|---|---|---|
| Print Name: Connor Griffin | Print Name: Jorge Cardona | Print Name: | Print Name: Jorge Cardona | Print Name: | Print Name: |
| Signature: | Signature: | Signature: | Signature: | Signature: | Signature: |
| Agent of: PES | Agent of: ALS environmental | Agent of: ALS | Agent of: ALS | Agent of: | Agent of: |
| Date: 6/30/26 Time: 9:53 | | Date: 6/30/26 Time: ~~13:53~~ 13.40 | | Date: / / Time: | |

4.9/4.7°C

White : PTL Office Yellow : Billing Pink : Client

**Client Information:**

Company Name: J.S. Held LLC
Address: 79 Hudson Street, Suite 701, Hoboken, NJ 07030
Office Phone # 201 876 9400

**eMail Results to the below:**

Name(s): Leah DeEgidio
eMail Address: LDeEgidio@jsheld.com
eMail Address:


2161 Whitesville Rd.
Toms River, NJ 08755

Ofc: 732-905-5000
Fax: 732-279-4422

email: ptl@ptlabs.net
web: www.ptlabs.net


**Project Information:** 26F1775

Project Name on Results: Yonkers NY - 23022270
Project Address: 70 Fernbrook Street Yonkers NY

Turnaround: Standard (up to 2 weeks) X | 24 HRS | 48 HRS
(Rushes incur additional fees.) 72 HRS | 4-Day | 5-Day

Company to Invoice: (if different)

P.O.# 23022270



**Select NJ Regulatory Criteria:**

| | |
|---|---|
| EPH Guidance | |
| Soil SRS Residential | |
| Soil SRS Non-Residential | |
| Soil Migration to GW | |
| NY GW Quality Standards | X |
| SPLP Health-Based | |
| SPLP Migration to GW | |
| Other: | |

GW=Ground Water WW=Waste Water SW=Surface Water
DW=Drinking Water S=Soil O=Oil L=Liquid SD=Sludge
B=Blank P=Product or Gasoline K=Solid (specify) :

**Matrix Codes**

**PRESERVATIVE CODES:** 0=ice 1=HCl 2=$H_2SO_4$ 3=NaOH 4=$HNO_3$ 5=

**(Lab to Complete)** Temperature: °C

**Collection Information**

| Sample ID | Sample Location or Depth (Optional) | Sample Date (MM-DD-YY) | Time Sampled (Military Time) | Sampled by (initials) | Grab (G) or Comp (C) | Matrix CODE * | # of Containers | Container: G=Glass, E=En Core, P=Plastic | VOC+15 | SVOC+15, 1,4 Dioxane | PCB's | Pesticides | Metals | PFAS | Lab Sample # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-15 | | 6.29.26 | 0920 | CG | G | GW | 11 | | X | X | X | X | X | X | |
| MW-9D | | 6.29.26 | 1052 | CG | G | GW | 11 | | X | X | X | X | X | X | |
| MW-2 | | 6.29.26 | 1332 | CG | G | GW | 11 | | X | X | X | X | X | X | |
| MW-14 | | 6.29.26 | 1502 | CG | G | GW | 11 | | X | X | X | X | X | X | |
| MW-16 | | 6.29.26 | 1632 | CG | G | GW | 11 | | X | X | X | X | X | X | |
| DUP-2 | | 6.29.26 | 1332 | CG | G | GW | 11 | | X | X | X | X | X | X | |

**INSTRUCTIONS:** Contingent BN Naphth+2-Methylnaphth ___ Contingent SPLP 2-Methylnaphth ___ Other ___

**Final Signed Report Type:**

Standard (Results Only) ___ EDD (free download) X
NY Data Package X NJ Full ___ EDD ($20 by email) ___

**SIGN BELOW WHEN DELIVERING SAMPLES.** Each time samples change possession, including courier delivery, custody must be documented.

| Relinquished by: | Received by: |
|---|---|
| Print Name: Connor Griffith | Print Name: Lois Taylor |
| Signature: | Signature: |
| Agent of: PTS | Agent of: ALS courier |
| Date: 6/30/26 Time: 9:53 | |

| Relinquished by: | Received by: |
|---|---|
| Print Name: J.S | Print Name: Jorge Cardona |
| Signature: | Signature: |
| Agent of: ALS | Agent of: ALS |
| Date: 6/30/26 Time: ~~9:53~~ 13:40 | |

| Relinquished by: | Received by: |
|---|---|
| Print Name: | Print Name: |
| Signature: | Signature: |
| Agent of: | Agent of: |
| Date: / / Time: | |

4.9/4.7°C

White : PTL Office Yellow : Billing Pink : Client

July 14, 2026

Stratford Reporting
ALS Environmental
120 Research Drive
Stratford, CT 06615

Date Received: **07/08/2026**
Work Order: **HN2611835**

Re: **26F1775**

Dear Stratford,

Enclosed are the results of the sample(s) submitted to our laboratory.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to contact me:
ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

**Chelsey Cook**
**/S/ CHELSEY COOK**

**Project Manager**

**Client:** ALS Environmental **Work Order:** HN2611835
**Project:** 26F1775 **Date Received:** 08-Jul-2026

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

### Sample Receipt

12 groundwater samples were received for analysis at ALS Environmental on 08-Jul-2026. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

### Organics

#### EPA 1633-W

**Run ID: 4291006**

•The LCS2 recovery was above the upper control limit. All the sample results in the batch were non-detect. No qualification is necessary for this analyte: 10:2FTS, PFHxDA, PFODA (All within range in LCS1).

**Run ID: 4290446**

•The LCS2 recovery was above the upper control limit. All the sample results in the batch were non-detect. No qualification is necessary for this analyte: 10:2FTS, 3:3FTCA, PFHxDA, PFODA (All within range in LCS1).
•The Instrument Sensitivity Check (ISC) did not meet method acceptance criteria for the following analytes, results are to be considered estimated: HFPODA fails Ion Ratio (recovery within range in ISC and all CCVs/QC).
•HN2611835-005: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611835-005: 13C2-FtS 6:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611835-006: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611835-006: Perfluoropentane sulfonic acid (PFPeS) - Ion transition ratios did not meet acceptance criteria due to matrix interference and/or the presence of branched isomers not represented in the quantitation standards.
•HN2611835-006: Perfluorobutane sulfonic acid (PFBS) - Ion transition ratios did not meet acceptance criteria due to matrix interference and/or the presence of branched isomers not represented in the quantitation standards.
•HN2611835-006: 13C2-FtS 6:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611835-007: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611835-009: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611835-010: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611835-010: Perfluorobutane sulfonic acid (PFBS) - Ion transition ratios did not meet acceptance criteria due to matrix interference and/or the presence of branched isomers not represented in the quantitation standards.
•HN2611835-010: Perfluorohexane sulfonic acid (PFHxS) - Ion transition ratios did not meet acceptance criteria due to matrix interference and/or the presence of branched isomers not represented in the quantitation standards.

**Run ID: 4284275**

•HN2611835-001: One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. See attached QC report.

•HN2611835-001: Perfluoroundecanoic acid (PFUnDA) - Ion transition ratios did not meet acceptance criteria due to matrix interference and/or the presence of branched isomers not represented in the quantitation standards.
•HN2611835-003: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611835-003: 13C2-FtS 6:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611835-003: Perfluoropentane sulfonic acid (PFPeS) - Ion transition ratios did not meet acceptance criteria due to matrix interference and/or the presence of branched isomers not represented in the quantitation standards.
•HN2611835-004: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.

**Run ID: 4293805**

•HN2611835-012: 13C4-PFHpA - EIS failures due to suspect matrix. Affected analytes reported in diluted sample with EIS in control.

**Run ID: 4290780**

•HN2611835-012: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611835-012: N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) - The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes:
•HN2611835-012: 13C2-PFHxDA - The Continuing Calibration Verification did not meet method acceptance criteria for the following analytes, results are to be considered estimated: High bias (surrogate recovery within range and corresponding analytes non-detect in sample)

**Run ID: 4287062**

•HN2611835-001: PFAS 1633_W: Sample extracted at 10x dilution due to out of range EIS/NIS.

•HN2611835-012: PFAS 1633_W: Sample extracted at 2x dilution due to high levels of visible sediment and discoloration.

**Run ID: 4285715**

•HN2611835-005: 1633_W: Sample extracted at 10x dilution due to high levels of visible sediment and discoloration.

•HN2611835-006: 1633_W: Sample extracted at 10x dilution due to high levels of visible sediment and discoloration.

•HN2611835-007: 1633_W: Sample arrived in 500 mL sample container. 250 mL of sample was poured off into a 250 mL HDPE bottle for analysis.
•HN2611835-008: 16333_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.

•HN2611835-009: 1633_W: Sample extracted at 10x dilution due to high levels of visible sediment and discoloration.

•HN2611835-010: 1633_W: Sample extracted at 10x dilution due to high levels of visible sediment and discoloration.

•HN2611835-011: 1633_W: Sample arrived in 500 mL sample container. 250 mL of sample was poured off into a 250 mL HDPE bottle for analysis.

**Run ID:**

•: - PFAS 1633_W: Sample extracted at 10x dilution due to high levels of visible sediment and discoloration.

•: - PFAS 1633_W: Sample arrived in 500 mL sample container. 250mL of sample volume was poured off into a 250 mL HDPE bottle for analysis due to incompatable cap type.
•: - PFAS 1633_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.

•: - PFAS 1633_W: Sample extracted at 10x dilution due to high levels of visible sediment and discoloration.

•: - PFAS 1633_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.

•: - PFAS 1633_W: Sample extracted at 10x dilution due to high levels of visible sediment and discoloration.

**Run ID: 4278308**

•HN2611835-002: Initial Volume - 1633_W: Sample extracted at 2x dilution due to high levels of visible sediment and discoloration.
•HN2611835-003: Initial Volume - 1633_W: Sample extracted at 10X dilution due to high levels of visible sediment and discoloration.
•HN2611835-004: Initial Volume - 1633_W: Sample extracted at 2x dilution due to high levels of visible sediment and discoloration.

**Run ID: 4290985**

•HN2611835-007: Initial Volume - PFAS-1633-W: Sample extracted at 10x dilution due to out of range EIS/NIS.

# SAMPLE DETECTION SUMMARY

This form includes only detections above the limits as presented.

For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 26F1775-01 | | | Lab ID: HN2611835-001 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 0.884 | J | 0.399 | 1.97 | ng/L | EPA 1633A |
| Perfluorobutane sulfonic acid (PFBS) | 17.7 | | 0.518 | 1.97 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 325 | | 9.56 | 20.1 | ng/L | EPA 1633A |
| Perfluorobutylsulfonamide (PFBSA) | 0.354 | J | 0.350 | 1.97 | ng/L | EPA 1633A |
| Perfluorodecanoic acid (PFDA) | 2.95 | | 0.375 | 1.97 | ng/L | EPA 1633A |
| Perfluoroheptane sulfonic acid (PFHpS) | 0.991 | J | 0.591 | 1.97 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 18.0 | | 0.415 | 1.97 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 35.1 | * | 0.495 | 1.97 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 43.1 | | 0.301 | 1.97 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 8.62 | | 0.149 | 1.97 | ng/L | EPA 1633A |
| Perfluorooctane sulfonic acid (PFOS) | 46.1 | * | 1.04 | 1.97 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 39.1 | * | 0.399 | 1.97 | ng/L | EPA 1633A |
| Perfluoropentane sulfonic acid (PFPeS) | 7.72 | | 0.350 | 1.97 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 56.5 | | 0.407 | 1.97 | ng/L | EPA 1633A |
| Perfluoroundecanoic acid (PFUnDA) | 0.326 | J | 0.213 | 1.97 | ng/L | EPA 1633A |

| CLIENT ID: 26F1775-02 | | | Lab ID: HN2611835-002 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutanoic acid (PFBA) | 6.99 | | 1.91 | 4.00 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 2.42 | J | 1.01 | 4.00 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 0.793 | J | 0.614 | 4.00 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 1.95 | J | 0.812 | 4.00 | ng/L | EPA 1633A |

| CLIENT ID: 26F1775-03 | | | Lab ID: HN2611835-003 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 6.85 | J | 5.29 | 20.1 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 900 | | 9.57 | 20.1 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 20.6 | | 4.24 | 20.1 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 16.3 | *J | 5.06 | 20.1 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 30.7 | | 3.08 | 20.1 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 6.99 | *J | 1.53 | 20.1 | ng/L | EPA 1633A |
| Perfluorooctane sulfonic acid (PFOS) | 14.5 | *J | 10.6 | 20.1 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 104 | * | 4.07 | 20.1 | ng/L | EPA 1633A |
| Perfluoropentane sulfonic acid (PFPeS) | 6.89 | J | 3.58 | 20.1 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 43.4 | | 4.16 | 20.1 | ng/L | EPA 1633A |

| CLIENT ID: 26F1775-04 | | | Lab ID: HN2611835-004 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 1.18 | J | 1.05 | 4.00 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 256 | | 1.91 | 4.00 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 1.39 | J | 0.845 | 4.00 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 1.96 | J | 1.01 | 4.00 | ng/L | EPA 1633A |

# SAMPLE DETECTION SUMMARY

This form includes only detections above the limits as presented.

For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 26F1775-04 | | | Lab ID: HN2611835-004 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorohexanoic acid (PFHxA) | 2.76 | J | 0.613 | 4.00 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 0.500 | J | 0.304 | 4.00 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 7.67 | * | 0.811 | 4.00 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 27.6 | | 0.828 | 4.00 | ng/L | EPA 1633A |

| CLIENT ID: 26F1775-05 | | | Lab ID: HN2611835-005 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 6.81 | J | 5.26 | 20.0 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 490 | | 9.52 | 20.0 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 8.47 | J | 4.22 | 20.0 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 8.89 | *J | 5.03 | 20.0 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 14.6 | J | 3.06 | 20.0 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 10.2 | *J | 1.52 | 20.0 | ng/L | EPA 1633A |
| Perfluorooctane sulfonic acid (PFOS) | 29.6 | * | 10.6 | 20.0 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 26.0 | * | 4.05 | 20.0 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 137 | | 4.14 | 20.0 | ng/L | EPA 1633A |

| CLIENT ID: 26F1775-06 | | | Lab ID: HN2611835-006 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 7.51 | J | 5.27 | 20.0 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 870 | | 9.54 | 20.0 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 19.6 | J | 4.23 | 20.0 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 17.8 | *J | 5.04 | 20.0 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 27.9 | | 3.07 | 20.0 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 5.66 | *J | 1.52 | 20.0 | ng/L | EPA 1633A |
| Perfluorooctane sulfonic acid (PFOS) | 12.5 | *J | 10.6 | 20.0 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 91.5 | * | 4.06 | 20.0 | ng/L | EPA 1633A |
| Perfluoropentane sulfonic acid (PFPeS) | 6.91 | J | 3.57 | 20.0 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 153 | | 4.14 | 20.0 | ng/L | EPA 1633A |

| CLIENT ID: 26F1775-07 | | | Lab ID: HN2611835-007 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 0.783 | J | 0.396 | 1.95 | ng/L | EPA 1633A |
| Perfluorobutane sulfonic acid (PFBS) | 2.37 | | 0.514 | 1.95 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 58.7 | | 9.50 | 19.9 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 2.93 | | 0.413 | 1.95 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 7.28 | | 0.299 | 1.95 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 1.40 | J | 0.148 | 1.95 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 9.62 | * | 0.396 | 1.95 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 9.28 | | 0.404 | 1.95 | ng/L | EPA 1633A |

# SAMPLE DETECTION SUMMARY

This form includes only detections above the limits as presented.

For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 26F1775-08 | | | Lab ID: HN2611835-008 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 3.83 | J | 2.63 | 9.98 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 41.9 | | 4.76 | 9.98 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 5.32 | J | 2.11 | 9.98 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 2.67 | J | 2.51 | 9.98 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 15.4 | | 1.53 | 9.98 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 0.958 | J | 0.759 | 9.98 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 17.4 | * | 2.02 | 9.98 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 23.3 | | 2.07 | 9.98 | ng/L | EPA 1633A |

| CLIENT ID: 26F1775-09 | | | Lab ID: HN2611835-009 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutanoic acid (PFBA) | 495 | | 9.56 | 20.1 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 12.4 | J | 3.08 | 20.1 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 13.9 | *J | 4.07 | 20.1 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 20.4 | | 4.15 | 20.1 | ng/L | EPA 1633A |

| CLIENT ID: 26F1775-10 | | | Lab ID: HN2611835-010 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 9.06 | J | 5.27 | 20.0 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 775 | | 9.53 | 20.0 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 6.30 | *J | 5.04 | 20.0 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 7.84 | J | 3.07 | 20.0 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 1.84 | *J | 1.52 | 20.0 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 22.5 | * | 4.06 | 20.0 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 104 | | 4.14 | 20.0 | ng/L | EPA 1633A |

| CLIENT ID: 26F1775-12 | | | Lab ID: HN2611835-012 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 3.31 | J | 1.05 | 4.00 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 43.3 | | 1.91 | 4.00 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 2.18 | J | 1.01 | 4.00 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 27.2 | | 0.614 | 4.00 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 1.00 | J | 0.304 | 4.00 | ng/L | EPA 1633A |
| Perfluorooctane sulfonic acid (PFOS) | 2.67 | J | 2.12 | 4.00 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 14.0 | * | 0.812 | 4.00 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 24.2 | | 0.829 | 4.00 | ng/L | EPA 1633A |

# SAMPLE SUMMARY

**Client:** ALS Environmental
**Project:** 26F1775
**Workorder:** HN2611835

| Laboratory Sample ID | Client Sample ID | Sample Matrix | Collection Date | Date Received |
|---|---|---|---|---|
| HN2611835-001 | 26F1775-01 | GROUNDWATER | 06/29/26 12:00 | 07/08/26 09:40 |
| HN2611835-002 | 26F1775-02 | GROUNDWATER | 06/29/26 10:52 | 07/08/26 09:40 |
| HN2611835-003 | 26F1775-03 | GROUNDWATER | 06/29/26 13:32 | 07/08/26 09:40 |
| HN2611835-004 | 26F1775-04 | GROUNDWATER | 06/29/26 15:02 | 07/08/26 09:40 |
| HN2611835-005 | 26F1775-05 | GROUNDWATER | 06/29/26 16:32 | 07/08/26 09:40 |
| HN2611835-006 | 26F1775-06 | GROUNDWATER | 06/29/26 13:32 | 07/08/26 09:40 |
| HN2611835-007 | 26F1775-07 | GROUNDWATER | 06/29/26 11:07 | 07/08/26 09:40 |
| HN2611835-008 | 26F1775-08 | GROUNDWATER | 06/29/26 12:17 | 07/08/26 09:40 |
| HN2611835-009 | 26F1775-09 | GROUNDWATER | 06/29/26 13:52 | 07/08/26 09:40 |
| HN2611835-010 | 26F1775-10 | GROUNDWATER | 06/29/26 16:32 | 07/08/26 09:40 |
| HN2611835-011 | 26F1775-11 | GROUNDWATER | 06/29/26 16:38 | 07/08/26 09:40 |
| HN2611835-012 | 26F1775-12 | GROUNDWATER | 06/29/26 13:32 | 07/08/26 09:40 |

6/30/2026

## SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

**Project No.:** **26F1775**

***This information is being sent to inform you that ALS-Stratford intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific paramters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact your project manager for further information.***

**E-mail lab reports to:** USAEnviro.Stratford@alsglobal.com **Sample confirmations to:** NASTR.Subcontract@alsglobal.com
**Mail Hard Copies to:** The address below

**SENDING LABORATORY:**

ALS Environmental - Stratford
120 Research Dr
Stratford, CT 06615
Phone: 203.325.1371

**RECEIVING LABORATORY:**

ALS-Holland
3352 128th Avenue
Holland, MI 49424
Phone :(616) 399-6070

**Sample ID: MW-15** **ALS Ref: 26F1775-01**

**Matrix:** Ground Water **Date Sampled :** 06/29/2026 12:00

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/10/2026 19:00 | 07/27/2026 12:00 | |

*Containers Supplied:*
09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: MW8D** **ALS Ref: 26F1775-02**

**Matrix:** Ground Water **Date Sampled :** 06/29/2026 10:52

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/10/2026 19:00 | 07/27/2026 10:52 | |

*Containers Supplied:*
09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL

Environmental Division
Holland
Work Order Reference
HN2611835



Telephone : +1 616 399 6070

**Purchase Order No.:** 26F1775
**Deliverables required:** NY ASP B Package
**EDDs required:** NYSDEC

Samples from State of: NY
Collected by: Client

**Data Pkg DUE:**
**Special Info:**
**Reporting level:** MDL/LOD

**Chain-of-Custody Information**

*Carolina Fernandez* 6/30/2026

| Released By ALS-Stratford Sample Control | Date | Received By | Date |
|---|---|---|---|
| FEDEX | 7-8-26 0940 | OTF | 7-8-26 0940 |

| Received By | Date | Received in Subcontract Lab By | Date |
|---|---|---|---|

6/30/2026

## SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

**Project No.:** **26F1775**

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E-mail lab reports to: USAEnviro.Stratford@alsglobal.com Sample confirmations to: NASTR.Subcontract@alsglobal.com
Mail Hard Copies to: The address below

**Sample ID: MW-2** **ALS Ref: 26F1775-03**

Matrix: Ground Water Date Sampled : 06/29/2026 13:32

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/10/2026 19:00 | 07/27/2026 13:32 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: MW-14** **ALS Ref: 26F1775-04**

Matrix: Ground Water Date Sampled : 06/29/2026 15:02

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/10/2026 19:00 | 07/27/2026 15:02 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: MW-16** **ALS Ref: 26F1775-05**

Matrix: Ground Water Date Sampled : 06/29/2026 16:32

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/10/2026 19:00 | 07/27/2026 16:32 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Purchase Order No.:** **26F1775**

Samples from State of: **NY**
Collected by: Client

**Deliverables required:** **NY ASP B Package**

**EDDs required:** **NYSDEC**

**Data Pkg DUE:**

**Special Info:**

**Reporting level:** **MDL/LOD**

**Chain-of-Custody Information**

*Carolina Fernandez* 6/30/2026

Released By ALS-Stratford Sample Control Date Received By Date

Received By Date Received in Subcontract Lab By Date

6/30/2026

## SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

**Project No.:** **26F1775**

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**E-mail lab reports to:** USAEnviro.Stratford@alsglobal.com **Sample confirmations to:** NASTR.Subcontract@alsglobal.com
**Mail Hard Copies to:** The address below

**Sample ID: DUP-2** **ALS Ref: 26F1775-06**

**Matrix:** Ground Water **Date Sampled :** 06/29/2026 13:32

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/10/2026 19:00 | 07/27/2026 13:32 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: MW-18** **ALS Ref: 26F1775-07**

**Matrix:** Ground Water **Date Sampled :** 06/29/2026 11:07

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/10/2026 19:00 | 07/27/2026 11:07 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: MW-4** **ALS Ref: 26F1775-08**

**Matrix:** Ground Water **Date Sampled :** 06/29/2026 12:17

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/10/2026 19:00 | 07/27/2026 12:17 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Purchase Order No.:** **26F1775**
Samples from State of: **NY**
Collected by: Client

**Deliverables required:** **NY ASP B Package**
**Data Pkg DUE:**

**EDDs required:** **NYSDEC**
**Special Info:**

**Reporting level:** **MDL/LOD**

**Chain-of-Custody Information**

*Carolina Fernandez* 6/30/2026

Released By ALS-Stratford Sample Control Date Received By Date

Received By Date Received in Subcontract Lab By Date

6/30/2026

## SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

**Project No.:** **26F1775**

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**E-mail lab reports to:** USAEnviro.Stratford@alsglobal.com **Sample confirmations to:** NASTR.Subcontract@alsglobal.com
**Mail Hard Copies to:** The address below

**Sample ID: MW-17** **ALS Ref: 26F1775-09**

**Matrix:** Ground Water **Date Sampled :** 06/29/2026 13:52

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/10/2026 19:00 | 07/27/2026 13:52 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: MW-3** **ALS Ref: 26F1775-10**

**Matrix:** Ground Water **Date Sampled :** 06/29/2026 16:32

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/10/2026 19:00 | 07/27/2026 16:32 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: FB** **ALS Ref: 26F1775-11**

**Matrix:** Ground Water **Date Sampled :** 06/29/2026 16:38

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/10/2026 19:00 | 07/27/2026 16:38 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B)

**Purchase Order No.:** **26F1775**

Samples from State of: **NY**
Collected by: Client

**Deliverables required:** **NY ASP B Package**

**EDDs required:** **NYSDEC**

**Data Pkg DUE:**

**Special Info:**

**Reporting level:** **MDL/LOD**

**Chain-of-Custody Information**

*Carolina Fernandez* 6/30/2026

Released By ALS-Stratford Sample Control Date Received By Date

Received By Date Received in Subcontract Lab By Date

ALS Holland
3352 128th Ave., Holland MI 49424

# ALS Holland Sample Receiving Checklist

| | |
|---|---|
| Received by: | OTF |
| Date/Time: | 7-8-26 0940 |
| Carrier Name: | FEDEX |
| Shipping container/cooler in good condition? | Yes / No / Not Present |
| Custody seals intact on shipping container/cooler? | Yes / No / Not Present |
| Custody seals intact on sample bottles? | Yes / No / Not Present |
| Chain of Custody present? | Yes / No |
| COC signed when relinquished and received? | Yes / No |
| COC agrees with sample labels? | Yes / No |
| Samples in proper container/bottle? | Yes / No |
| Sample containers intact? | Yes / No |
| Sufficient sample volume for indicated test? | Yes / No |
| All samples received within holding time? | Yes / No |
| Container/Temp Blank temperature in compliance? | Yes / No |
| Temperature(s) (°C): | 4.0/4.0°C |
| Thermometer(s): | IR10 |
| Sample(s) received on ice? | Yes / No |
| Matrix/Matrices: | WATER |
| Cooler(s)/Kit(s): | N/A |
| Date/Time sample(s) sent to storage: | 7-8-26 1240 |
| Water – VOA vials have zero headspace? | Yes / No / No Vials |
| Water – pH acceptable upon receipt? | Yes / No / N/A |
| pH strip lot #: 45 | < 2 _____ > 12 _____ Other _____ |
| pH adjusted (note adjustments below)? | Yes / No / N/A |
| pH adjusted by: | _____ |

Login Notes:

HN-SHT-160-R01, Sample Receipt Checklist

7/7/2026

ALS - HOLLAND

**SUBCONTRACT Notification, Purchase Order and Chain-of-Custody**

**Project No.: 26F1775**

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**E-mail lab reports to:** USAEnviro.Stratford@alsglobal.com **Sample confirmations to:** NASTR.Subcontract@alsglobal.com
**Mail Hard Copies to:** The address below

**Sample ID: DUP-1** **ALS Ref: 26F1775-12**

**Matrix:** Ground Water **Date Sampled :** 06/29/2026 13:32

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | **07/08/2026 19:00** | **07/27/2026 13:32** | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

Environmental Division
Holland
Work Order Reference
HN2611835

Telephone : +1 616 399 6070

**Purchase Order No.:** 26F1775
**Deliverables required:** NY ASP B Package
**EDDs required:** NYSDEC

Samples from State of: NY
Collected by: Client

**Data Pkg DUE:**
**Special Info:**
**Reporting level:** MDL/LOD

**Chain-of-Custody Information**

*Carolina Fernandez* 7/7/2026

Released By ALS-Stratford Sample Control Date Received By Date

Received By Date Received in Subcontract Lab By Date

ALS Holland
3352 128th Ave., Holland MI 49424

# ALS Holland Sample Receiving Checklist

| | |
|---|---|
| Received by: | OTA |
| Date/Time: | 7.9.26 1000 |
| Carrier Name: | FEDEX |
| Shipping container/cooler in good condition? | Yes / No / Not Present |
| Custody seals intact on shipping container/cooler? | Yes / No / Not Present |
| Custody seals intact on sample bottles? | Yes / No / Not Present |
| Chain of Custody present? | Yes / No |
| COC signed when relinquished and received? | Yes / No |
| COC agrees with sample labels? | Yes / No |
| Samples in proper container/bottle? | Yes / No |
| Sample containers intact? | Yes / No |
| Sufficient sample volume for indicated test? | Yes / No |
| All samples received within holding time? | Yes / No |
| Container/Temp Blank temperature in compliance? | Yes / No |
| Temperature(s) (°C): | 2.0/2.0 °C |
| Thermometer(s): | IR9 |
| Sample(s) received on ice? | Yes / No |
| Matrix/Matrices: | WATER |
| Cooler(s)/Kit(s): | 3 |
| Date/Time sample(s) sent to storage: | 7.9.26 1615 |
| Water – VOA vials have zero headspace? | Yes / No / No Vials |
| Water – pH acceptable upon receipt? | Yes / No / N/A |
| pH strip lot #: _____ | < 2 _____ > 12 _____ Other _____ |
| pH adjusted (note adjustments below)? | Yes / No / N/A |
| pH adjusted by: | _____ |

Login Notes:

HN-SHT-160-R01, Sample Receipt Checklist

## REPORT QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| * | Value exceeds Regulatory Limit (if MCL displayed) |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Method criteria |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| NC | Not Calculated |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| V | The Continuing Calibration Verification was outside of control criteria |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

## LABORATORY CERTIFICATIONS[1]

| Agency | Type | ID | Issued | Expires |
|---|---|---|---|---|
| Colorado | UST | | 07/01/2025 | 06/30/2026 |
| Connecticut | Drinking Water (Secondary) | PH-0155 | 12/10/2024 | 12/31/2026 |
| Florida | NELAP (Primary) | E871106 | 07/01/2025 | 06/30/2026 |
| Illinois | NELAP (Secondary) | 200076 | 12/08/2025 | 12/31/2026 |
| Indiana | Drinking Water (Secondary) | C-MI-08 | 12/31/2024 | 09/04/2026 |
| Iowa | State Specific | 403 | 09/01/2025 | 09/01/2027 |
| Kansas | NELAP (Secondary) | E-10411 | 08/01/2025 | 07/31/2026 |
| Kentucky | Waste Water | KY98004 | 1/1/2026 | 12/31/2026 |
| Kentucky | UST | 120474 | 07/07/2025 | 06/30/2026 |
| Michigan | Drinking Water (Primary) | 0022 | 12/19/2023 | 09/04/2026 |
| Minnesota | NELAP (Secondary) | 026-999-449 | 12/10/2025 | 12/31/2026 |
| Missouri | Drinking Water (Secondary) | 01262 | 11/14/2024 | 12/30/2027 |
| New Jersey | NELAP (Secondary) | MI015 | 07/01/2025 | 6/30/2026 |
| New York | NELAP (Secondary) | 12128 | 04/01/2025 | 04/01/2026 |
| North Dakota | State Specific | R-192 | 11/18/2024 | 06/30/2025 |
| Ohio | Drinking Water (Secondary) | 87783 | 06/26/2025 | 6/30/2026 |
| Pennsylvania | NELAP (Secondary) | 68-03827 | 11/25/2025 | 07/31/2026 |
| Texas | NELAP (Secondary) | T104704494 | 02/01/2026 | 01/31/2027 |
| USDA | Domestic CA | Soil-MI-007 | 02/06/2025 | 08/07/2026 |
| USDA | Soil Import | 525-23-62-77572R1 | 01/28/2026 | 03/03/2029 |
| West Virginia | State Specific | 355 | 06/07/2025 | 08/31/2026 |
| Wisconsin | State Specific | 399084510 | 08/08/2025 | 08/31/2026 |

1 – Scope available upon request

# ANALYST SUMMARY

**Client:** ALS Environmental
**Project:** 26F1775
**Work Order:** HN2611835

**Sample Name:** 26F1775-01
**Laboratory Code:** HN2611835-001
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/29/26
**Date Received:** 07/08/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 001-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |
| EPA 1633A | EPA 1633A | 001-AA | 2704452 | Phoebe | 4290780 | Morgan Morehouse |

**Sample Name:** 26F1775-02
**Laboratory Code:** HN2611835-002
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/29/26
**Date Received:** 07/08/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 002-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |

**Sample Name:** 26F1775-03
**Laboratory Code:** HN2611835-003
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/29/26
**Date Received:** 07/08/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 003-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |

**Sample Name:** 26F1775-04
**Laboratory Code:** HN2611835-004
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/29/26
**Date Received:** 07/08/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 004-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |

# ANALYST SUMMARY

**Client:** ALS Environmental
**Project:** 26F1775
**Work Order:** HN2611835

**Sample Name:** 26F1775-05
**Laboratory Code:** HN2611835-005
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/29/26
**Date Received:** 07/08/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 005-AA | 2703538 | Mara Norton | 4290446 | Emily Schaaf |

**Sample Name:** 26F1775-06
**Laboratory Code:** HN2611835-006
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/29/26
**Date Received:** 07/08/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 006-AA | 2703538 | Mara Norton | 4290446 | Emily Schaaf |

**Sample Name:** 26F1775-07
**Laboratory Code:** HN2611835-007
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/29/26
**Date Received:** 07/08/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 007-AA | 2703538 | Mara Norton | 4290446 | Emily Schaaf |
| EPA 1633A | EPA 1633A | 007-AA | 2706785 | Emily Schaaf | 4291006 | Emily Schaaf |

**Sample Name:** 26F1775-08
**Laboratory Code:** HN2611835-008
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/29/26
**Date Received:** 07/08/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 008-AA | 2703538 | Mara Norton | 4290446 | Emily Schaaf |

# ANALYST SUMMARY

**Client:** ALS Environmental
**Project:** 26F1775
**Work Order:** HN2611835

**Sample Name:** 26F1775-09
**Laboratory Code:** HN2611835-009
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/29/26
**Date Received:** 07/08/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 009-AA | 2703538 | Mara Norton | 4290446 | Emily Schaaf |

**Sample Name:** 26F1775-10
**Laboratory Code:** HN2611835-010
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/29/26
**Date Received:** 07/08/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 010-AA | 2703538 | Mara Norton | 4290446 | Emily Schaaf |

**Sample Name:** 26F1775-11
**Laboratory Code:** HN2611835-011
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/29/26
**Date Received:** 07/08/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 011-AA | 2703538 | Mara Norton | 4290446 | Emily Schaaf |

**Sample Name:** 26F1775-12
**Laboratory Code:** HN2611835-012
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/29/26
**Date Received:** 07/08/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 012-AA | 2704452 | Phoebe | 4290780 | Morgan Morehouse |
| EPA 1633A | EPA 1633A | 012-AA | 2704452 | Phoebe | 4293805 | Morgan Morehouse |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 12:00 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-01** **Lab ID: HN2611835-001**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 0.278 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 0.700 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 1.29 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 0.233 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 0.500 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 17.2 | 98.3 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 15.1 | 98.3 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 27.1 | 98.3 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 0.278 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 0.357 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 0.863 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 0.467 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 0.518 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 0.472 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 0.677 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 0.643 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 12:00 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-01** **Lab ID: HN2611835-001**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 0.556 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 1.52 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 0.357 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | **0.884** | J | ng/L | 0.399 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 0.610 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 0.777 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **17.7** | | ng/L | 0.518 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **325** | | ng/L | 9.56 | 20.1 | 1 | 07/13/26 01:56 | 07/12/26 16:14 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | **0.354** | J | ng/L | 0.350 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 0.588 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | **2.95** | | ng/L | 0.375 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 0.635 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 0.820 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | **0.991** | J | ng/L | 0.591 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **18.0** | | ng/L | 0.415 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 0.500 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **35.1** | * | ng/L | 0.495 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 1.35 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **43.1** | | ng/L | 0.301 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 0.495 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **8.62** | | ng/L | 0.149 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 12:00 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-01** **Lab ID: HN2611835-001**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 0.426 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 0.709 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | **46.1** | * | ng/L | 1.04 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **39.1** | * | ng/L | 0.399 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | **7.72** | | ng/L | 0.350 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **56.5** | | ng/L | 0.407 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 0.330 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 0.431 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | **0.326** | J | ng/L | 0.213 | 1.97 | 1 | 07/10/26 04:31 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***235*** | *S* | *%REC* | | *10-200* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***253*** | *S* | *%REC* | | *40-200* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***414*** | *S* | *%REC* | | *40-200* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***396*** | *S* | *%REC* | | *40-300* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***84.5*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***54.5*** | | *%REC* | | *10-300* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***71.4*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***94.1*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***81.2*** | | *%REC* | | *40-135* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***83.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***90.2*** | | *%REC* | | *5-130* | *1* | *07/13/26 01:56* | *07/12/26 16:14* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***116*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***92.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***47.6*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***96.6*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***87.9*** | | *%REC* | | *30-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***87.1*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***95.5*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***79.7*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 12:00 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-01** **Lab ID: HN2611835-001**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***93.3*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***47.5*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***153*** | | *%REC* | | *40-170* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***46.9*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***152*** | *S* | *%REC* | | *25-135* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***47.9*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***45.9*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:31* | *07/09/26 15:50* |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 10:52 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-02** **Lab ID: HN2611835-002**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 0.566 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 1.43 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 2.63 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 0.476 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 1.02 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 35.0 | 200 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 30.7 | 200 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 55.2 | 200 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 0.566 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 0.726 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 1.76 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 0.951 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 1.05 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 0.961 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 1.38 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 1.31 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 10:52 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-02** **Lab ID: HN2611835-002**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 1.13 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 3.10 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 0.726 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 0.812 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 1.24 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 1.58 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | ND | U | ng/L | 1.05 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **6.99** | | ng/L | 1.91 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 0.713 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 1.20 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 0.764 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 1.29 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 1.67 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 1.20 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | ND | U | ng/L | 0.846 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 1.02 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **2.42** | J | ng/L | 1.01 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 2.74 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **0.793** | J | ng/L | 0.614 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 1.01 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | ND | U | ng/L | 0.304 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 10:52 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-02** **Lab ID: HN2611835-002**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 0.868 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 1.45 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | U | ng/L | 2.12 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **1.95** | J | ng/L | 0.812 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 0.713 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | ND | U | ng/L | 0.829 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 0.673 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 0.879 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 0.434 | 4.00 | 1 | 07/10/26 04:51 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***80.5*** | | *%REC* | | *10-200* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***147*** | | *%REC* | | *40-200* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***100*** | | *%REC* | | *40-200* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***94.4*** | | *%REC* | | *40-300* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***80.5*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***66.8*** | | *%REC* | | *10-300* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***67.9*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***83.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***98.7*** | | *%REC* | | *40-135* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***93.2*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***88.3*** | | *%REC* | | *5-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***91.2*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***96.1*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***82.6*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***94.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***83.9*** | | *%REC* | | *30-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***75.6*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***98.5*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***87.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 10:52 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-02** **Lab ID: HN2611835-002**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***90.2*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***64.4*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***83.3*** | | *%REC* | | *40-170* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***60.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***80.5*** | | *%REC* | | *25-135* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***58.4*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***62.0*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:51* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-03** **Lab ID: HN2611835-003**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 2.84 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 7.16 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 13.2 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 2.39 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 5.11 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 175 | 1000 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 154 | 1000 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 277 | 1000 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 2.84 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 3.64 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | *U | ng/L | 8.82 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 4.77 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 5.29 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 4.82 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 6.92 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 6.57 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-03** **Lab ID: HN2611835-003**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 5.68 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 15.5 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 3.64 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 4.07 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 6.23 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 7.94 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **6.85** | J | ng/L | 5.29 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **900** | | ng/L | 9.57 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 3.58 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 6.00 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 3.83 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 6.49 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 8.37 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 6.04 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **20.6** | | ng/L | 4.24 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 5.11 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **16.3** | *J | ng/L | 5.06 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 13.8 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **30.7** | | ng/L | 3.08 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 5.06 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **6.99** | *J | ng/L | 1.53 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-03** **Lab ID: HN2611835-003**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 4.35 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 7.25 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | **14.5** | *J | ng/L | 10.6 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **104** | * | ng/L | 4.07 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | **6.89** | J | ng/L | 3.58 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **43.4** | | ng/L | 4.16 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 3.37 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 4.41 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 2.18 | 20.1 | 1 | 07/10/26 05:11 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***81.1*** | | *%REC* | | *10-200* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***317*** | *S* | *%REC* | | *40-200* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***204*** | *S* | *%REC* | | *40-200* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***121*** | | *%REC* | | *40-300* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***74.2*** | | *%REC* | | *10-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***55.4*** | | *%REC* | | *10-300* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***59.4*** | | *%REC* | | *10-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***58.5*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***81.9*** | | *%REC* | | *40-135* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***85.7*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***96.3*** | | *%REC* | | *5-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***100*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***94.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***64.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***94.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***78.8*** | | *%REC* | | *30-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***73.3*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***93.7*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***84.6*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-03** **Lab ID: HN2611835-003**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***93.3*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***53.2*** | | *%REC* | | *10-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***97.3*** | | *%REC* | | *40-170* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***52.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***89.3*** | | *%REC* | | *25-135* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***54.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***55.0*** | | *%REC* | | *10-130* | *1* | *07/10/26 05:11* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 15:02 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-04** **Lab ID: HN2611835-004**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 0.566 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 1.43 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 2.63 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 0.475 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 1.02 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 34.9 | 200 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 30.7 | 200 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 55.1 | 200 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 0.566 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 0.726 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 1.76 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 0.950 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 1.05 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 0.960 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 1.38 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 1.31 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 15:02 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-04** **Lab ID: HN2611835-004**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 1.13 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 3.09 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 0.726 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 0.811 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 1.24 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 1.58 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **1.18** | J | ng/L | 1.05 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **256** | | ng/L | 1.91 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 0.713 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 1.20 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 0.764 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 1.29 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 1.67 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 1.20 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **1.39** | J | ng/L | 0.845 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 1.02 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **1.96** | J | ng/L | 1.01 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 2.74 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **2.76** | J | ng/L | 0.613 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 1.01 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **0.500** | J | ng/L | 0.304 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 15:02 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-04** **Lab ID: HN2611835-004**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 0.867 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 1.44 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | U | ng/L | 2.12 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **7.67** | * | ng/L | 0.811 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 0.713 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **27.6** | | ng/L | 0.828 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 0.672 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 0.878 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 0.434 | 4.00 | 1 | 07/10/26 05:31 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***86.1*** | | *%REC* | | *10-200* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***305*** | *S* | *%REC* | | *40-200* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***197*** | | *%REC* | | *40-200* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***112*** | | *%REC* | | *40-300* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***84.0*** | | *%REC* | | *10-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***64.7*** | | *%REC* | | *10-300* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***71.3*** | | *%REC* | | *10-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***53.4*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***79.0*** | | *%REC* | | *40-135* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***84.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***91.0*** | | *%REC* | | *5-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***92.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***88.3*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***56.1*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***90.5*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***79.3*** | | *%REC* | | *30-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***66.7*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***91.4*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***74.7*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 15:02 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-04** **Lab ID: HN2611835-004**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***85.4*** | | *%REC* | | *40-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***52.2*** | | *%REC* | | *10-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***93.4*** | | *%REC* | | *40-170* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***51.9*** | | *%REC* | | *10-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***89.8*** | | *%REC* | | *25-135* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***50.1*** | | *%REC* | | *10-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***52.8*** | | *%REC* | | *10-130* | *1* | *07/10/26 05:31* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 16:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-05** **Lab ID: HN2611835-005**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 2.83 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 7.12 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | SU | ng/L | 13.1 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 2.37 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 5.08 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 175 | 999 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | SU | ng/L | 153 | 999 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 275 | 999 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 2.83 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 3.63 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | *U | ng/L | 8.77 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 4.75 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 5.26 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 4.80 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 6.89 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 6.54 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 16:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-05** **Lab ID: HN2611835-005**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 5.65 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 15.5 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 3.63 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 4.05 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 6.21 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 7.90 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **6.81** | J | ng/L | 5.26 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **490** | | ng/L | 9.52 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 3.56 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 5.97 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 3.81 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 6.45 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 8.33 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 6.01 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **8.47** | J | ng/L | 4.22 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | SU | ng/L | 5.08 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **8.89** | *J | ng/L | 5.03 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 13.7 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **14.6** | J | ng/L | 3.06 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 5.03 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **10.2** | *J | ng/L | 1.52 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 16:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-05** **Lab ID: HN2611835-005**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | SU | ng/L | 4.33 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 7.21 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | **29.6** | * | ng/L | 10.6 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **26.0** | * | ng/L | 4.05 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 3.56 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **137** | | ng/L | 4.14 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 3.36 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 4.39 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 2.17 | 20.0 | 1 | 07/12/26 06:02 | 07/11/26 15:00 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***92.0*** | | *%REC* | | *10-200* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***357*** | *S* | *%REC* | | *40-200* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***272*** | *S* | *%REC* | | *40-200* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***130*** | | *%REC* | | *40-300* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***81.5*** | | *%REC* | | *10-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***69.7*** | | *%REC* | | *10-300* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***71.6*** | | *%REC* | | *10-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***68.5*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***88.5*** | | *%REC* | | *40-135* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***100.0*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***110*** | | *%REC* | | *5-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***106*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***104*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***67.1*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***108*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***90.0*** | | *%REC* | | *30-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***79.6*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***112*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***96.6*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 16:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-05** **Lab ID: HN2611835-005**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***103*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***55.3*** | | *%REC* | | *10-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***114*** | | *%REC* | | *40-170* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***55.2*** | | *%REC* | | *10-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***125*** | | *%REC* | | *25-135* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***57.0*** | | *%REC* | | *10-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***58.6*** | | *%REC* | | *10-130* | *1* | *07/12/26 06:02* | *07/11/26 15:00* |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-06** **Lab ID: HN2611835-006**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 2.83 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 7.13 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | SU | ng/L | 13.2 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 2.38 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 5.09 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 175 | 1000 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | SU | ng/L | 153 | 1000 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 276 | 1000 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 2.83 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 3.63 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | *U | ng/L | 8.79 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 4.75 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 5.27 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 4.80 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 6.90 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 6.55 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-06** **Lab ID: HN2611835-006**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 5.66 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 15.5 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 3.63 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 4.06 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 6.21 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 7.92 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **7.51** | J | ng/L | 5.27 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **870** | | ng/L | 9.54 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 3.57 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 5.98 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 3.82 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 6.47 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 8.35 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 6.02 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **19.6** | J | ng/L | 4.23 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | SU | ng/L | 5.09 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **17.8** | *J | ng/L | 5.04 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 13.7 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **27.9** | | ng/L | 3.07 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 5.04 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **5.66** | *J | ng/L | 1.52 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-06** **Lab ID: HN2611835-006**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | SU | ng/L | 4.34 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 7.23 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | **12.5** | *J | ng/L | 10.6 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **91.5** | * | ng/L | 4.06 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | **6.91** | J | ng/L | 3.57 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **153** | | ng/L | 4.14 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 3.36 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 4.39 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 2.17 | 20.0 | 1 | 07/12/26 06:42 | 07/11/26 15:00 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***82.5*** | | *%REC* | | *10-200* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***377*** | *S* | *%REC* | | *40-200* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***259*** | *S* | *%REC* | | *40-200* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***137*** | | *%REC* | | *40-300* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***76.0*** | | *%REC* | | *10-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***45.5*** | | *%REC* | | *10-300* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***54.3*** | | *%REC* | | *10-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***77.0*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***102*** | | *%REC* | | *40-135* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***112*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***120*** | | *%REC* | | *5-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***124*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***119*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***78.0*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***119*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***92.9*** | | *%REC* | | *30-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***84.5*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***122*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***104*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-06** **Lab ID: HN2611835-006**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***111*** | | *%REC* | | *40-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***59.6*** | | *%REC* | | *10-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***109*** | | *%REC* | | *40-170* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***56.0*** | | *%REC* | | *10-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***91.8*** | | *%REC* | | *25-135* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***59.2*** | | *%REC* | | *10-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***59.8*** | | *%REC* | | *10-130* | *1* | *07/12/26 06:42* | *07/11/26 15:00* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 11:07 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-07** **Lab ID: HN2611835-007**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 0.276 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 7.11 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | SU | ng/L | 13.1 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 0.232 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 0.496 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 17.0 | 97.6 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | SU | ng/L | 15.0 | 97.6 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 26.9 | 97.6 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 0.276 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 0.354 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 0.857 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 4.74 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 5.25 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 4.79 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 6.87 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 6.52 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 11:07 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-07** **Lab ID: HN2611835-007**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 5.64 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 1.51 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 0.354 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | **0.783** | J | ng/L | 0.396 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 6.19 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 0.772 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **2.37** | | ng/L | 0.514 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **58.7** | | ng/L | 9.50 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 3.55 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 5.96 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 3.81 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 6.44 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 8.32 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 6.00 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **2.93** | | ng/L | 0.413 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | SU | ng/L | 5.07 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | ND | *U | ng/L | 5.02 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 1.34 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **7.28** | | ng/L | 0.299 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 5.02 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **1.40** | J | ng/L | 0.148 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 11:07 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-07** **Lab ID: HN2611835-007**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | SU | ng/L | 4.32 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 7.20 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | *U | ng/L | 10.6 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **9.62** | * | ng/L | 0.396 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 3.55 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **9.28** | | ng/L | 0.404 | 1.95 | 1 | 07/12/26 07:22 | 07/11/26 15:00 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 3.35 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 4.38 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 2.16 | 19.9 | 1 | 07/12/26 08:22 | 07/11/26 14:20 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***89.1*** | | *%REC* | | *10-200* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***393*** | *S* | *%REC* | | *40-200* | *1* | *07/12/26 07:22* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***183*** | | *%REC* | | *40-200* | *1* | *07/12/26 07:22* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***126*** | | *%REC* | | *40-300* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***86.0*** | | *%REC* | | *10-130* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***83.6*** | | *%REC* | | *10-300* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***81.2*** | | *%REC* | | *10-130* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***76.4*** | | *%REC* | | *40-130* | *1* | *07/12/26 07:22* | *07/11/26 15:00* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***83.6*** | | *%REC* | | *40-135* | *1* | *07/12/26 07:22* | *07/11/26 15:00* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***109*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***118*** | | *%REC* | | *5-130* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***115*** | | *%REC* | | *40-130* | *1* | *07/12/26 07:22* | *07/11/26 15:00* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***120*** | | *%REC* | | *40-130* | *1* | *07/12/26 07:22* | *07/11/26 15:00* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***80.7*** | | *%REC* | | *40-130* | *1* | *07/12/26 07:22* | *07/11/26 15:00* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***114*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***90.9*** | | *%REC* | | *30-130* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***90.0*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***90.1*** | | *%REC* | | *40-130* | *1* | *07/12/26 07:22* | *07/11/26 15:00* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***99.4*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 11:07 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-07** **Lab ID: HN2611835-007**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***52.3*** | | *%REC* | | *40-130* | *1* | *07/12/26 07:22* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***72.0*** | | *%REC* | | *10-130* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***109*** | | *%REC* | | *40-170* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***69.6*** | | *%REC* | | *10-130* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***93.7*** | | *%REC* | | *25-135* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***65.3*** | | *%REC* | | *10-130* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***67.7*** | | *%REC* | | *10-130* | *1* | *07/12/26 08:22* | *07/11/26 14:20* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 12:17 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-08** **Lab ID: HN2611835-008**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 1.41 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 3.56 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | SU | ng/L | 6.56 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 1.19 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 2.54 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 87.2 | 499 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | SU | ng/L | 76.5 | 499 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 138 | 499 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 1.41 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 1.81 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 4.38 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 2.37 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 2.63 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 2.40 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 3.44 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 3.27 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 12:17 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-08** **Lab ID: HN2611835-008**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 2.82 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 7.72 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 1.81 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 2.02 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 3.10 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 3.95 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **3.83** | J | ng/L | 2.63 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **41.9** | | ng/L | 4.76 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 1.78 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 2.98 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 1.91 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 3.22 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 4.16 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 3.00 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **5.32** | J | ng/L | 2.11 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | SU | ng/L | 2.54 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **2.67** | J | ng/L | 2.51 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 6.84 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **15.4** | | ng/L | 1.53 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 2.51 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **0.958** | J | ng/L | 0.759 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 12:17 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-08** **Lab ID: HN2611835-008**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | SU | ng/L | 2.16 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 3.60 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | *U | ng/L | 5.29 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **17.4** | * | ng/L | 2.02 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 1.78 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **23.3** | | ng/L | 2.07 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 1.68 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 2.19 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 1.08 | 9.98 | 1 | 07/12/26 08:42 | 07/11/26 15:00 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***70.8*** | | *%REC* | | *10-200* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***179*** | | *%REC* | | *40-200* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***118*** | | *%REC* | | *40-200* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***107*** | | *%REC* | | *40-300* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***72.3*** | | *%REC* | | *10-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***66.8*** | | *%REC* | | *10-300* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***54.6*** | | *%REC* | | *10-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***97.8*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***111*** | | *%REC* | | *40-135* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***110*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***114*** | | *%REC* | | *5-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***107*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***111*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***91.5*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***109*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***85.5*** | | *%REC* | | *30-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***84.9*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***111*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***93.7*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 12:17 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-08** **Lab ID: HN2611835-008**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***106*** | | *%REC* | | *40-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***58.5*** | | *%REC* | | *10-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***94.7*** | | *%REC* | | *40-170* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***53.5*** | | *%REC* | | *10-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***83.0*** | | *%REC* | | *25-135* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***57.6*** | | *%REC* | | *10-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***59.1*** | | *%REC* | | *10-130* | *1* | *07/12/26 08:42* | *07/11/26 15:00* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:52 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-09** **Lab ID: HN2611835-009**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 2.84 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 7.15 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | SU | ng/L | 13.2 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 2.38 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 5.10 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 175 | 1000 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | SU | ng/L | 154 | 1000 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 276 | 1000 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 2.84 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 3.64 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | *U | ng/L | 8.81 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 4.77 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 5.28 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 4.82 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 6.91 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 6.56 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:52 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-09** **Lab ID: HN2611835-009**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 5.67 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 15.5 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 3.64 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 4.07 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 6.23 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 7.93 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | ND | U | ng/L | 5.28 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **495** | | ng/L | 9.56 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 3.57 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 6.00 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 3.83 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 6.48 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 8.37 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 6.04 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | ND | U | ng/L | 4.24 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | SU | ng/L | 5.10 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | ND | *U | ng/L | 5.06 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 13.7 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **12.4** | J | ng/L | 3.08 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 5.06 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | ND | *U | ng/L | 1.52 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:52 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-09** **Lab ID: HN2611835-009**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | SU | ng/L | 4.35 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 7.24 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | *U | ng/L | 10.6 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **13.9** | *J | ng/L | 4.07 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 3.57 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **20.4** | | ng/L | 4.15 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 3.37 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 4.41 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 2.18 | 20.1 | 1 | 07/12/26 09:02 | 07/11/26 15:00 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***79.5*** | | *%REC* | | *10-200* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***208*** | *S* | *%REC* | | *40-200* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***130*** | | *%REC* | | *40-200* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***110*** | | *%REC* | | *40-300* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***88.3*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***67.3*** | | *%REC* | | *10-300* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***74.9*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***96.7*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***113*** | | *%REC* | | *40-135* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***114*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***121*** | | *%REC* | | *5-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***109*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***118*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***93.7*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***118*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***98.1*** | | *%REC* | | *30-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***100.0*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***119*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***110*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:52 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-09** **Lab ID: HN2611835-009**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***112*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***75.5*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***116*** | | *%REC* | | *40-170* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***73.9*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***102*** | | *%REC* | | *25-135* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***75.3*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***75.7*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:02* | *07/11/26 15:00* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 16:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-10** **Lab ID: HN2611835-010**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 2.83 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 7.13 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | SU | ng/L | 13.1 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 2.38 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 5.09 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 175 | 1000 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | SU | ng/L | 153 | 1000 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 276 | 1000 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 2.83 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 3.63 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | *U | ng/L | 8.79 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 4.75 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 5.27 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 4.80 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 6.89 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 6.54 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 16:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-10** **Lab ID: HN2611835-010**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 5.66 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 15.5 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 3.63 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 4.06 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 6.21 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 7.91 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **9.06** | J | ng/L | 5.27 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **775** | | ng/L | 9.53 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 3.56 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 5.98 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 3.82 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 6.46 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 8.34 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 6.02 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | ND | U | ng/L | 4.23 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | SU | ng/L | 5.09 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **6.30** | *J | ng/L | 5.04 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 13.7 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **7.84** | J | ng/L | 3.07 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 5.04 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **1.84** | *J | ng/L | 1.52 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 16:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-10** **Lab ID: HN2611835-010**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | SU | ng/L | 4.34 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 7.22 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | *U | ng/L | 10.6 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **22.5** | * | ng/L | 4.06 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 3.56 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **104** | | ng/L | 4.14 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 3.36 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 4.39 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 2.17 | 20.0 | 1 | 07/12/26 09:22 | 07/11/26 15:00 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***66.7*** | | *%REC* | | *10-200* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***320*** | *S* | *%REC* | | *40-200* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***167*** | | *%REC* | | *40-200* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***94.3*** | | *%REC* | | *40-300* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***72.2*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***69.4*** | | *%REC* | | *10-300* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***69.8*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***61.9*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***92.8*** | | *%REC* | | *40-135* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***97.2*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***105*** | | *%REC* | | *5-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***97.6*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***98.8*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***69.1*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***102*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***82.8*** | | *%REC* | | *30-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***75.8*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***104*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***85.8*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 16:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-10** **Lab ID: HN2611835-010**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***94.6*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***54.3*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***89.0*** | | *%REC* | | *40-170* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***52.8*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***76.5*** | | *%REC* | | *25-135* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***51.8*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***53.3*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:22* | *07/11/26 15:00* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 16:38 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-11** **Lab ID: HN2611835-011**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 0.288 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 0.727 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | SU | ng/L | 1.34 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 0.242 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 0.519 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 17.8 | 102 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | SU | ng/L | 15.6 | 102 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 28.1 | 102 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 0.288 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 0.370 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 0.896 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 0.485 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 0.537 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 0.490 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 0.703 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 0.667 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 16:38 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-11** **Lab ID: HN2611835-011**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 0.577 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 1.58 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 0.370 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 0.414 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 0.633 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 0.807 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | ND | U | ng/L | 0.537 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | ND | U | ng/L | 0.972 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 0.363 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 0.610 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 0.389 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 0.659 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 0.851 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 0.614 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | ND | U | ng/L | 0.431 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | SU | ng/L | 0.519 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | ND | U | ng/L | 0.514 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 1.40 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | ND | U | ng/L | 0.313 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 0.514 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | ND | U | ng/L | 0.155 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 16:38 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-11** **Lab ID: HN2611835-011**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | SU | ng/L | 0.442 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 0.736 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | U | ng/L | 1.08 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | ND | U | ng/L | 0.414 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 0.363 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | ND | U | ng/L | 0.422 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 0.343 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 0.448 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 0.221 | 2.04 | 1 | 07/12/26 09:42 | 07/11/26 15:00 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***90.2*** | | *%REC* | | *10-200* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***108*** | | *%REC* | | *40-200* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***112*** | | *%REC* | | *40-200* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***105*** | | *%REC* | | *40-300* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***94.0*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***68.3*** | | *%REC* | | *10-300* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***81.3*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***101*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***99.8*** | | *%REC* | | *40-135* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***98.6*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***108*** | | *%REC* | | *5-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***103*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***106*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***90.0*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***111*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***95.6*** | | *%REC* | | *30-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***93.4*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***107*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***98.3*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 16:38 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-11** **Lab ID: HN2611835-011**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***103*** | | *%REC* | | *40-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***78.8*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***115*** | | *%REC* | | *40-170* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***74.9*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***101*** | | *%REC* | | *25-135* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***70.4*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***72.2*** | | *%REC* | | *10-130* | *1* | *07/12/26 09:42* | *07/11/26 15:00* |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-12** **Lab ID: HN2611835-012**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 0.566 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 1.43 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 2.63 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 0.476 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 1.02 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 35.0 | 200 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 30.7 | 200 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 55.2 | 200 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 0.566 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 0.726 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 1.76 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 0.951 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 1.05 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 0.961 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 1.38 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 1.31 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-12** **Lab ID: HN2611835-012**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 1.13 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 3.10 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 0.726 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 0.812 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 1.24 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 1.58 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **3.31** | J | ng/L | 1.05 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **43.3** | | ng/L | 1.91 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 0.713 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 1.20 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 0.764 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 1.29 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 1.67 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 1.20 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | ND | U | ng/L | 8.46 | 40.0 | 10 | 07/13/26 20:47 | 07/12/26 16:14 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 1.02 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **2.18** | J | ng/L | 1.01 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 2.74 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **27.2** | | ng/L | 0.614 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 1.01 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **1.00** | J | ng/L | 0.304 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-12** **Lab ID: HN2611835-012**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 0.868 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 1.44 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | **2.67** | J | ng/L | 2.12 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **14.0** | * | ng/L | 0.812 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 0.713 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **24.2** | | ng/L | 0.829 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 0.672 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 0.879 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 0.434 | 4.00 | 1 | 07/13/26 02:16 | 07/12/26 16:14 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***72.8*** | | *%REC* | | *10-200* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***254*** | *S* | *%REC* | | *40-200* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***130*** | | *%REC* | | *40-200* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***189*** | | *%REC* | | *40-300* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***90.4*** | | *%REC* | | *10-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***82.2*** | | *%REC* | | *10-300* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***68.4*** | | *%REC* | | *10-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***111*** | | *%REC* | | *40-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***90.5*** | | *%REC* | | *40-135* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***83.6*** | | *%REC* | | *40-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***94.6*** | | *%REC* | | *5-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***97.4*** | | *%REC* | | *40-130* | *10* | *07/13/26 20:47* | *07/12/26 16:14* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***89.4*** | | *%REC* | | *40-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***103*** | | *%REC* | | *40-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***116*** | | *%REC* | | *40-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***82.9*** | | *%REC* | | *30-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***72.8*** | | *%REC* | | *40-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***102*** | | *%REC* | | *40-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***76.3*** | | *%REC* | | *40-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | 06/29/26 13:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/08/26 09:40 |

**CLIENT ID: 26F1775-12** **Lab ID: HN2611835-012**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***97.3*** | | *%REC* | | *40-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***66.5*** | | *%REC* | | *10-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***79.8*** | | *%REC* | | *40-170* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***70.8*** | | *%REC* | | *10-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***79.2*** | | *%REC* | | *25-135* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***66.4*** | | *%REC* | | *10-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***64.0*** | | *%REC* | | *10-130* | *1* | *07/13/26 02:16* | *07/12/26 16:14* |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2698875 | **Run ID:** | 4284275 |

## Per- and Polyfluorinated Alkyl Substances by LC-MS

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2698875-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 20:51 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | ND | ng/L | 0.713 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | ND | ng/L | 1.31 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | ND | ng/L | 0.238 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | ND | ng/L | 17.5 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | ND | ng/L | 15.3 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | ND | ng/L | 27.6 | 100 | | | | | | | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | ND | ng/L | 0.878 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | ND | ng/L | 0.475 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | ND | ng/L | 0.480 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | ND | ng/L | 0.689 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | ND | ng/L | 0.654 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | ND | ng/L | 0.566 | 2.00 | | | | | | | U |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ND | ng/L | 1.55 | 2.00 | | | | | | | U |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | ND | ng/L | 0.621 | 2.00 | | | | | | | U |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | ng/L | 0.791 | 2.00 | | | | | | | U |
| Perfluorobutane sulfonic acid (PFBS) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| Perfluorobutanoic acid (PFBA) | ND | ng/L | 0.953 | 2.00 | | | | | | | U |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2698875 | **Run ID:** | 4284275 |

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2698875-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 20:51 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutylsulfonamide (PFBSA) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluorodecane sulfonic acid (PFDS) | ND | ng/L | 0.598 | 2.00 | | | | | | | U |
| Perfluorodecanoic acid (PFDA) | ND | ng/L | 0.382 | 2.00 | | | | | | | U |
| Perfluorododecane sulfonic acid (PFDoS) | ND | ng/L | 0.646 | 2.00 | | | | | | | U |
| Perfluorododecanoic acid (PFDOA) | ND | ng/L | 0.834 | 2.00 | | | | | | | U |
| Perfluoroheptane sulfonic acid (PFHpS) | ND | ng/L | 0.602 | 2.00 | | | | | | | U |
| Perfluoroheptanoic acid (PFHpA) | ND | ng/L | 0.423 | 2.00 | | | | | | | U |
| Perfluorohexadecanoic acid (PFHxDA) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| Perfluorohexane sulfonic acid (PFHxS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorohexanesulfonamide (PFHxSA) | ND | ng/L | 1.37 | 2.00 | | | | | | | U |
| Perfluorohexanoic acid (PFHxA) | ND | ng/L | 0.307 | 2.00 | | | | | | | U |
| Perfluorononane sulfonic acid (PFNS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorononanoic acid (PFNA) | ND | ng/L | 0.152 | 2.00 | | | | | | | U |
| Perfluorooctadecanoic acid (PFODA) | ND | ng/L | 0.434 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonamide (PFOSAm) | ND | ng/L | 0.722 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonic acid (PFOS) | ND | ng/L | 1.06 | 2.00 | | | | | | | U |
| Perfluorooctanoic acid (PFOA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoropentane sulfonic acid (PFPeS) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluoropentanoic acid (PFPeA) | ND | ng/L | 0.414 | 2.00 | | | | | | | U |
| Perfluorotetradecanoic acid (PFTDA) | ND | ng/L | 0.336 | 2.00 | | | | | | | U |
| Perfluorotridecanoic acid (PFTrDA) | ND | ng/L | 0.439 | 2.00 | | | | | | | U |
| Perfluoroundecanoic acid (PFUnDA) | ND | ng/L | 0.217 | 2.00 | | | | | | | U |
| *Surr: 13C2-FtS 10:2* | ***48.4*** | *ng/L* | | | 50 | | 96.9 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***116*** | *ng/L* | | | 100 | | 116 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***113*** | *ng/L* | | | 100 | | 113 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***110*** | *ng/L* | | | 100 | | 110 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***28.4*** | *ng/L* | | | 25 | | 114 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***31.1*** | *ng/L* | | | 50 | | 62.2 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***18.2*** | *ng/L* | | | 25 | | 72.8 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***218*** | *ng/L* | | | 200 | | 109 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***53.2*** | *ng/L* | | | 50 | | 106 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***52.3*** | *ng/L* | | | 50 | | 105 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***221*** | *ng/L* | | | 200 | | 111 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***54.6*** | *ng/L* | | | 50 | | 109 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***54.9*** | *ng/L* | | | 50 | | 110 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***109*** | *ng/L* | | | 100 | | 109 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***28.2*** | *ng/L* | | | 25 | | 113 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***28.4*** | *ng/L* | | | 25 | | 114 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***49.5*** | *ng/L* | | | 50 | | 99.0 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***56.5*** | *ng/L* | | | 50 | | 113 | *40-130* | | | |

**Client:** ALS Environmental
**Project:** 26F1775
**Matrix:** WATER
**QC Lot:** 2698875

**Work Order:** HN2611835
**Date Collected:** NA
**Date Received:** NA
**Run ID:** 4284275

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2698875-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 20:51 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C8-PFOS* | ***54.8*** | *ng/L* | | | 50 | | 110 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***28.0*** | *ng/L* | | | 25 | | 112 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***46.3*** | *ng/L* | | | 50 | | 92.6 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***108*** | *ng/L* | | | 100 | | 108 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***46.5*** | *ng/L* | | | 50 | | 93.0 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***109*** | *ng/L* | | | 100 | | 109 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***356*** | *ng/L* | | | 500 | | 71.1 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***339*** | *ng/L* | | | 500 | | 67.9 | *10-130* | | | |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2698875-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 21:11 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 4.41 | ng/L | 0.713 | 2.00 | 4 | | 110 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 4.31 | ng/L | 1.31 | 2.00 | 3.86 | | 112 | 50-150 | | | |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 4.32 | ng/L | 0.238 | 2.00 | 4 | | 108 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 4.77 | ng/L | 0.509 | 2.00 | 4 | | 119 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 181 | ng/L | 17.5 | 100 | 200 | | 90.7 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | 202 | ng/L | 15.3 | 100 | 200 | | 101 | 65-130 | | | |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 193 | ng/L | 27.6 | 100 | 200 | | 96.4 | 70-135 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 4.14 | ng/L | 0.475 | 2.00 | 4 | | 104 | 65-145 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 3.87 | ng/L | 0.527 | 2.00 | 4 | | 96.7 | 70-145 | | | |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 4.18 | ng/L | 0.480 | 2.00 | 4 | | 105 | 70-135 | | | |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 4.54 | ng/L | 0.689 | 2.00 | 4 | | 114 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 4.14 | ng/L | 0.654 | 2.00 | 4 | | 104 | 50-140 | | | |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 4.62 | ng/L | 0.566 | 2.00 | 4 | | 116 | 70-145 | | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 4.87 | ng/L | 1.55 | 2.00 | 4 | | 122 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 4.49 | ng/L | 0.363 | 2.00 | 4 | | 112 | 70-140 | | | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 4.68 | ng/L | 0.406 | 2.00 | 4 | | 117 | 55-140 | | | |

**Client:** ALS Environmental
**Project:** 26F1775
**Matrix:** WATER
**QC Lot:** 2698875

**Work Order:** HN2611835
**Date Collected:** NA
**Date Received:** NA
**Run ID:** 4284275

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2698875-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 21:11 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 3.56 | ng/L | 0.621 | 2.00 | 3.74 | | 95.3 | 50-150 | | | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 4.79 | ng/L | 0.791 | 2.00 | 4 | | 120 | 60-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 4.38 | ng/L | 0.527 | 2.00 | 4 | | 109 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 4.66 | ng/L | 0.953 | 2.00 | 4 | | 116 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 4.22 | ng/L | 0.356 | 2.00 | 4 | | 105 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 3.83 | ng/L | 0.598 | 2.00 | 4 | | 95.8 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 4.29 | ng/L | 0.382 | 2.00 | 4 | | 107 | 70-149 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 3.05 | ng/L | 0.646 | 2.00 | 4 | | 76.2 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 4.42 | ng/L | 0.834 | 2.00 | 4 | | 110 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 3.83 | ng/L | 0.602 | 2.00 | 4 | | 95.8 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 4.19 | ng/L | 0.423 | 2.00 | 4 | | 105 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 4.39 | ng/L | 0.509 | 2.00 | 4 | | 110 | 50-150 | | | |
| Perfluorohexane sulfonic acid (PFHxS) | 4.32 | ng/L | 0.504 | 2.00 | 4 | | 108 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 4.11 | ng/L | 1.37 | 2.00 | 4 | | 103 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 3.95 | ng/L | 0.307 | 2.00 | 4 | | 98.8 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 4.06 | ng/L | 0.504 | 2.00 | 4 | | 102 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 4.31 | ng/L | 0.152 | 2.00 | 4 | | 108 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 5.27 | ng/L | 0.434 | 2.00 | 4 | | 132 | 50-150 | | | |
| Perfluorooctane sulfonamide (PFOSAm) | 4.01 | ng/L | 0.722 | 2.00 | 4 | | 100 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 4.13 | ng/L | 1.06 | 2.00 | 4 | | 103 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 4.10 | ng/L | 0.406 | 2.00 | 4 | | 103 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 4.49 | ng/L | 0.356 | 2.00 | 4 | | 112 | 65-140 | | | |
| Perfluoropentanoic acid (PFPeA) | 4.47 | ng/L | 0.414 | 2.00 | 4 | | 112 | 65-135 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 4.66 | ng/L | 0.336 | 2.00 | 4 | | 116 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 4.90 | ng/L | 0.439 | 2.00 | 4 | | 123 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 4.51 | ng/L | 0.217 | 2.00 | 4 | | 113 | 70-145 | | | |
| *Surr: 13C2-FtS 10:2* | ***52.6*** | *ng/L* | | | 50 | | 105 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***110*** | *ng/L* | | | 100 | | 110 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***106*** | *ng/L* | | | 100 | | 106 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***111*** | *ng/L* | | | 100 | | 111 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***29.7*** | *ng/L* | | | 25 | | 119 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***33.7*** | *ng/L* | | | 50 | | 67.5 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***21.4*** | *ng/L* | | | 25 | | 85.5 | *10-130* | | | |
| *Surr: 13C3-PFBS* | ***50.1*** | *ng/L* | | | 50 | | 100 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***50.6*** | *ng/L* | | | 50 | | 101 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***208*** | *ng/L* | | | 200 | | 104 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***52.0*** | *ng/L* | | | 50 | | 104 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***53.0*** | *ng/L* | | | 50 | | 106 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***102*** | *ng/L* | | | 100 | | 102 | *40-130* | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2698875 | **Run ID:** | 4284275 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2698875-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 21:11 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C6-PFDA* | ***27.5*** | *ng/L* | | | 25 | | 110 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***26.9*** | *ng/L* | | | 25 | | 107 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***46.7*** | *ng/L* | | | 50 | | 93.4 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***54.3*** | *ng/L* | | | 50 | | 109 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***54.8*** | *ng/L* | | | 50 | | 110 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***27.1*** | *ng/L* | | | 25 | | 108 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***42.9*** | *ng/L* | | | 50 | | 85.7 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***109*** | *ng/L* | | | 100 | | 109 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***42.7*** | *ng/L* | | | 50 | | 85.4 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***108*** | *ng/L* | | | 100 | | 108 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***340*** | *ng/L* | | | 500 | | 68.0 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***325*** | *ng/L* | | | 500 | | 65.0 | *10-130* | | | |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2698875-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 21:51 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane -1-sulfonic acid (11-Cl-PF3OUdS) | 21.2 | ng/L | 0.283 | 2.00 | 20 | | 106 | 55-160 | | | |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 25.6 | ng/L | 0.713 | 2.00 | 20 | | 128 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 23.8 | ng/L | 1.31 | 2.00 | 19.2 | | 124 | 50-150 | | | |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 22.1 | ng/L | 0.238 | 2.00 | 20 | | 111 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 23.0 | ng/L | 0.509 | 2.00 | 20 | | 115 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 413 | ng/L | 17.5 | 100 | 400 | | 103 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | 477 | ng/L | 15.3 | 100 | 400 | | 119 | 65-130 | | | |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 452 | ng/L | 27.6 | 100 | 400 | | 113 | 70-135 | | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 22.1 | ng/L | 0.283 | 2.00 | 20 | | 111 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 25.3 | ng/L | 0.363 | 2.00 | 20 | | 126 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 22.3 | ng/L | 0.878 | 2.00 | 20 | | 111 | 70-140 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 22.7 | ng/L | 0.475 | 2.00 | 20 | | 113 | 60-150 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 23.2 | ng/L | 0.527 | 2.00 | 20 | | 116 | 70-145 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2698875 | **Run ID:** | 4284275 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2698875-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 21:51 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 22.3 | ng/L | 0.480 | 2.00 | 20 | | 111 | 70-135 | | | |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 23.2 | ng/L | 0.689 | 2.00 | 20 | | 116 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 23.5 | ng/L | 0.654 | 2.00 | 20 | | 117 | 50-140 | | | |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 23.7 | ng/L | 0.566 | 2.00 | 20 | | 118 | 70-145 | | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 23.1 | ng/L | 1.55 | 2.00 | 20 | | 116 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 23.0 | ng/L | 0.363 | 2.00 | 20 | | 115 | 70-140 | | | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 25.1 | ng/L | 0.406 | 2.00 | 20 | | 126 | 55-140 | | | |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 19.7 | ng/L | 0.621 | 2.00 | 18.6 | | 106 | 50-150 | | | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 26.6 | ng/L | 0.791 | 2.00 | 20 | | 133 | 60-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 22.7 | ng/L | 0.527 | 2.00 | 20 | | 113 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 23.6 | ng/L | 0.953 | 2.00 | 20 | | 118 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 24.1 | ng/L | 0.356 | 2.00 | 20 | | 121 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 21.5 | ng/L | 0.598 | 2.00 | 20 | | 107 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 22.6 | ng/L | 0.382 | 2.00 | 20 | | 113 | 70-140 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 17.0 | ng/L | 0.646 | 2.00 | 20 | | 84.8 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 22.7 | ng/L | 0.834 | 2.00 | 20 | | 114 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 23.1 | ng/L | 0.602 | 2.00 | 20 | | 115 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 22.2 | ng/L | 0.423 | 2.00 | 20 | | 111 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 24.7 | ng/L | | 2.00 | 20 | | 124 | 50-150 | | | |
| Perfluorohexane sulfonic acid (PFHxS) | 23.0 | ng/L | 0.504 | 2.00 | 20 | | 115 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 22.6 | ng/L | 1.37 | 2.00 | 20 | | 113 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 21.6 | ng/L | 0.307 | 2.00 | 20 | | 108 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 21.1 | ng/L | 0.504 | 2.00 | 20 | | 106 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 22.1 | ng/L | 0.152 | 2.00 | 20 | | 111 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 27.2 | ng/L | | 2.00 | 20 | | 136 | 50-150 | | | |
| Perfluorooctane sulfonamide (PFOSAm) | 22.5 | ng/L | 0.722 | 2.00 | 20 | | 112 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 21.7 | ng/L | 1.06 | 2.00 | 20 | | 108 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 20.5 | ng/L | 0.406 | 2.00 | 20 | | 103 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 23.6 | ng/L | 0.356 | 2.00 | 20 | | 118 | 65-140 | | | |
| Perfluoropentanoic acid (PFPeA) | 23.0 | ng/L | 0.414 | 2.00 | 20 | | 115 | 65-135 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 23.7 | ng/L | 0.336 | 2.00 | 20 | | 118 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 26.5 | ng/L | 0.439 | 2.00 | 20 | | 132 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 23.7 | ng/L | 0.217 | 2.00 | 20 | | 118 | 70-145 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2698875 | **Run ID:** | 4284275 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2698875-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 21:51 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C2-FtS 10:2* | ***48.8*** | *ng/L* | | | 50 | | 97.7 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***109*** | *ng/L* | | | 100 | | 109 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***104*** | *ng/L* | | | 100 | | 104 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***101*** | *ng/L* | | | 100 | | 101 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***27.6*** | *ng/L* | | | 25 | | 110 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***36.0*** | *ng/L* | | | 50 | | 72.0 | *10-299* | | | |
| *Surr: 13C2-PFTeDA* | ***19.8*** | *ng/L* | | | 25 | | 79.0 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***203*** | *ng/L* | | | 200 | | 101 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***48.8*** | *ng/L* | | | 50 | | 97.6 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***48.1*** | *ng/L* | | | 50 | | 96.2 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***207*** | *ng/L* | | | 200 | | 103 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***50.5*** | *ng/L* | | | 50 | | 101 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***51.4*** | *ng/L* | | | 50 | | 103 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***99.4*** | *ng/L* | | | 100 | | 99.4 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***26.2*** | *ng/L* | | | 25 | | 105 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***26.5*** | *ng/L* | | | 25 | | 106 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***44.7*** | *ng/L* | | | 50 | | 89.5 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***52.2*** | *ng/L* | | | 50 | | 104 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***49.8*** | *ng/L* | | | 50 | | 99.7 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***25.7*** | *ng/L* | | | 25 | | 103 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***42.8*** | *ng/L* | | | 50 | | 85.5 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***97.1*** | *ng/L* | | | 100 | | 97.1 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***42.1*** | *ng/L* | | | 50 | | 84.3 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***101*** | *ng/L* | | | 100 | | 101 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***363*** | *ng/L* | | | 500 | | 72.7 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***359*** | *ng/L* | | | 500 | | 71.8 | *10-130* | | | |

**The following samples were analyzed in this batch:** HN2611835-001, HN2611835-002, HN2611835-003, HN2611835-004

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2698875 | **Run ID:** | 4285247 |

## Per- and Polyfluorinated Alkyl Substances by LC-MS

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2698875-002**

**Method:** EPA 1633A **Dilution:** 1 **Analysis Date:** 07/10/26 15:36

**Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | 3.53 | ng/L | 0.283 | 2.00 | 4 | | 88.4 | 55-160 | | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 4.25 | ng/L | 0.283 | 2.00 | 4 | | 106 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 4.19 | ng/L | 0.363 | 2.00 | 4 | | 105 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 4.67 | ng/L | 0.878 | 2.00 | 4 | | 117 | 70-140 | | | |
| *Surr: 13C3-HFPO-DA* | ***228*** | *ng/L* | | | 200 | | 114 | *40-130* | | | |

**The following samples were analyzed in this batch:** HN2611835-001, HN2611835-002, HN2611835-003, HN2611835-004

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2703538 | **Run ID:** | 4290446 |

## Per- and Polyfluorinated Alkyl Substances by LC-MS

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2703538-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:02 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | ND | ng/L | 0.713 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | ND | ng/L | 1.31 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | ND | ng/L | 0.238 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | ND | ng/L | 17.5 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | ND | ng/L | 15.3 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | ND | ng/L | 27.6 | 100 | | | | | | | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | ND | ng/L | 0.878 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | ND | ng/L | 0.475 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | ND | ng/L | 0.480 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | ND | ng/L | 0.689 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | ND | ng/L | 0.654 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | ND | ng/L | 0.566 | 2.00 | | | | | | | U |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ND | ng/L | 1.55 | 2.00 | | | | | | | U |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | ND | ng/L | 0.621 | 2.00 | | | | | | | U |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | ng/L | 0.791 | 2.00 | | | | | | | U |
| Perfluorobutane sulfonic acid (PFBS) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| Perfluorobutanoic acid (PFBA) | ND | ng/L | 0.953 | 2.00 | | | | | | | U |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2703538 | **Run ID:** | 4290446 |

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2703538-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:02 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutylsulfonamide (PFBSA) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluorodecane sulfonic acid (PFDS) | ND | ng/L | 0.598 | 2.00 | | | | | | | U |
| Perfluorodecanoic acid (PFDA) | ND | ng/L | 0.382 | 2.00 | | | | | | | U |
| Perfluorododecane sulfonic acid (PFDoS) | ND | ng/L | 0.646 | 2.00 | | | | | | | U |
| Perfluorododecanoic acid (PFDOA) | ND | ng/L | 0.834 | 2.00 | | | | | | | U |
| Perfluoroheptane sulfonic acid (PFHpS) | ND | ng/L | 0.602 | 2.00 | | | | | | | U |
| Perfluoroheptanoic acid (PFHpA) | ND | ng/L | 0.423 | 2.00 | | | | | | | U |
| Perfluorohexadecanoic acid (PFHxDA) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| Perfluorohexane sulfonic acid (PFHxS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorohexanesulfonamide (PFHxSA) | ND | ng/L | 1.37 | 2.00 | | | | | | | U |
| Perfluorohexanoic acid (PFHxA) | ND | ng/L | 0.307 | 2.00 | | | | | | | U |
| Perfluorononane sulfonic acid (PFNS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorononanoic acid (PFNA) | ND | ng/L | 0.152 | 2.00 | | | | | | | U |
| Perfluorooctadecanoic acid (PFODA) | ND | ng/L | 0.434 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonamide (PFOSAm) | ND | ng/L | 0.722 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonic acid (PFOS) | ND | ng/L | 1.06 | 2.00 | | | | | | | U |
| Perfluorooctanoic acid (PFOA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoropentane sulfonic acid (PFPeS) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluoropentanoic acid (PFPeA) | ND | ng/L | 0.414 | 2.00 | | | | | | | U |
| Perfluorotetradecanoic acid (PFTDA) | ND | ng/L | 0.336 | 2.00 | | | | | | | U |
| Perfluorotridecanoic acid (PFTrDA) | ND | ng/L | 0.439 | 2.00 | | | | | | | U |
| Perfluoroundecanoic acid (PFUnDA) | ND | ng/L | 0.217 | 2.00 | | | | | | | U |
| *Surr: 13C2-FtS 10:2* | ***48.6*** | *ng/L* | | | 50 | | 97.2 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***113*** | *ng/L* | | | 100 | | 113 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***118*** | *ng/L* | | | 100 | | 118 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***114*** | *ng/L* | | | 100 | | 114 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***26.8*** | *ng/L* | | | 25 | | 107 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***31.8*** | *ng/L* | | | 50 | | 63.6 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***20.3*** | *ng/L* | | | 25 | | 81.1 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***216*** | *ng/L* | | | 200 | | 108 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***54.2*** | *ng/L* | | | 50 | | 108 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***54.8*** | *ng/L* | | | 50 | | 110 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***236*** | *ng/L* | | | 200 | | 118 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***56.7*** | *ng/L* | | | 50 | | 113 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***58.1*** | *ng/L* | | | 50 | | 116 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***103*** | *ng/L* | | | 100 | | 103 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***30.3*** | *ng/L* | | | 25 | | 121 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***27.5*** | *ng/L* | | | 25 | | 110 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***51.2*** | *ng/L* | | | 50 | | 102 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***56.7*** | *ng/L* | | | 50 | | 113 | *40-130* | | | |

**Client:** ALS Environmental
**Project:** 26F1775
**Matrix:** WATER
**QC Lot:** 2703538

**Work Order:** HN2611835
**Date Collected:** NA
**Date Received:** NA
**Run ID:** 4290446

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2703538-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:02 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C8-PFOS* | ***53.6*** | *ng/L* | | | 50 | | 107 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***28.5*** | *ng/L* | | | 25 | | 114 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***46.0*** | *ng/L* | | | 50 | | 91.9 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***120*** | *ng/L* | | | 100 | | 120 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***44.6*** | *ng/L* | | | 50 | | 89.1 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***114*** | *ng/L* | | | 100 | | 114 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***363*** | *ng/L* | | | 500 | | 72.6 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***349*** | *ng/L* | | | 500 | | 69.8 | *10-130* | | | |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2703538-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:22 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | 3.54 | ng/L | 0.283 | 2.00 | 4 | | 88.6 | 55-160 | | | |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 4.41 | ng/L | 0.713 | 2.00 | 4 | | 110 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 4.88 | ng/L | 1.31 | 2.00 | 3.86 | | 126 | 50-150 | | | |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 4.55 | ng/L | 0.238 | 2.00 | 4 | | 114 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 4.40 | ng/L | 0.509 | 2.00 | 4 | | 110 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 172 | ng/L | 17.5 | 100 | 200 | | 85.9 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | 202 | ng/L | 15.3 | 100 | 200 | | 101 | 65-130 | | | |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 188 | ng/L | 27.6 | 100 | 200 | | 94.0 | 70-135 | | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 4.29 | ng/L | 0.283 | 2.00 | 4 | | 107 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 4.19 | ng/L | 0.363 | 2.00 | 4 | | 105 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 4.00 | ng/L | 0.878 | 2.00 | 4 | | 100.0 | 70-140 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 4.46 | ng/L | 0.475 | 2.00 | 4 | | 112 | 65-145 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 4.41 | ng/L | 0.527 | 2.00 | 4 | | 110 | 70-145 | | | |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 4.50 | ng/L | 0.480 | 2.00 | 4 | | 113 | 70-135 | | | |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 3.99 | ng/L | 0.689 | 2.00 | 4 | | 99.7 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 3.86 | ng/L | 0.654 | 2.00 | 4 | | 96.6 | 50-140 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2703538 | **Run ID:** | 4290446 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2703538-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:22 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 4.70 | ng/L | 0.566 | 2.00 | 4 | | 118 | 70-145 | | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 5.01 | ng/L | 1.55 | 2.00 | 4 | | 125 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 4.33 | ng/L | 0.363 | 2.00 | 4 | | 108 | 70-140 | | | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 5.21 | ng/L | 0.406 | 2.00 | 4 | | 130 | 55-140 | | | |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 3.98 | ng/L | 0.621 | 2.00 | 3.74 | | 106 | 50-150 | | | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 4.99 | ng/L | 0.791 | 2.00 | 4 | | 125 | 60-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 4.73 | ng/L | 0.527 | 2.00 | 4 | | 118 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 4.43 | ng/L | 0.953 | 2.00 | 4 | | 111 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 4.22 | ng/L | 0.356 | 2.00 | 4 | | 105 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 4.16 | ng/L | 0.598 | 2.00 | 4 | | 104 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 4.05 | ng/L | 0.382 | 2.00 | 4 | | 101 | 70-149 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 3.17 | ng/L | 0.646 | 2.00 | 4 | | 79.2 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 4.49 | ng/L | 0.834 | 2.00 | 4 | | 112 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 3.93 | ng/L | 0.602 | 2.00 | 4 | | 98.3 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 4.14 | ng/L | 0.423 | 2.00 | 4 | | 104 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 4.40 | ng/L | 0.509 | 2.00 | 4 | | 110 | 50-150 | | | |
| Perfluorohexane sulfonic acid (PFHxS) | 4.57 | ng/L | 0.504 | 2.00 | 4 | | 114 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 4.16 | ng/L | 1.37 | 2.00 | 4 | | 104 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 4.20 | ng/L | 0.307 | 2.00 | 4 | | 105 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 4.65 | ng/L | 0.504 | 2.00 | 4 | | 116 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 4.25 | ng/L | 0.152 | 2.00 | 4 | | 106 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 4.88 | ng/L | 0.434 | 2.00 | 4 | | 122 | 50-150 | | | |
| Perfluorooctane sulfonamide (PFOSAm) | 4.17 | ng/L | 0.722 | 2.00 | 4 | | 104 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 4.36 | ng/L | 1.06 | 2.00 | 4 | | 109 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 4.53 | ng/L | 0.406 | 2.00 | 4 | | 113 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 4.86 | ng/L | 0.356 | 2.00 | 4 | | 122 | 65-140 | | | |
| Perfluoropentanoic acid (PFPeA) | 4.48 | ng/L | 0.414 | 2.00 | 4 | | 112 | 65-135 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 4.36 | ng/L | 0.336 | 2.00 | 4 | | 109 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 4.93 | ng/L | 0.439 | 2.00 | 4 | | 123 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 4.19 | ng/L | 0.217 | 2.00 | 4 | | 105 | 70-145 | | | |
| *Surr: 13C2-FtS 10:2* | ***48.0*** | *ng/L* | | | 50 | | 96.0 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***108*** | *ng/L* | | | 100 | | 108 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***114*** | *ng/L* | | | 100 | | 114 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***111*** | *ng/L* | | | 100 | | 111 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***26.0*** | *ng/L* | | | 25 | | 104 | *10-130* | | | |

**Client:** ALS Environmental
**Project:** 26F1775
**Matrix:** WATER
**QC Lot:** 2703538

**Work Order:** HN2611835
**Date Collected:** NA
**Date Received:** NA
**Run ID:** 4290446

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2703538-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:22 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C2-PFHxDA* | ***33.5*** | *ng/L* | | | 50 | | 67.0 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***21.7*** | *ng/L* | | | 25 | | 86.7 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***203*** | *ng/L* | | | 200 | | 102 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***50.2*** | *ng/L* | | | 50 | | 100 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***50.8*** | *ng/L* | | | 50 | | 102 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***221*** | *ng/L* | | | 200 | | 110 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***50.6*** | *ng/L* | | | 50 | | 101 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***52.6*** | *ng/L* | | | 50 | | 105 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***92.7*** | *ng/L* | | | 100 | | 92.7 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***28.1*** | *ng/L* | | | 25 | | 112 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***26.0*** | *ng/L* | | | 25 | | 104 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***44.7*** | *ng/L* | | | 50 | | 89.5 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***54.1*** | *ng/L* | | | 50 | | 108 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***46.8*** | *ng/L* | | | 50 | | 93.6 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***26.9*** | *ng/L* | | | 25 | | 107 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***40.9*** | *ng/L* | | | 50 | | 81.9 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***106*** | *ng/L* | | | 100 | | 106 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***41.0*** | *ng/L* | | | 50 | | 82.0 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***99.8*** | *ng/L* | | | 100 | | 99.8 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***352*** | *ng/L* | | | 500 | | 70.4 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***346*** | *ng/L* | | | 500 | | 69.2 | *10-130* | | | |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2703538-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:42 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane -1-sulfonic acid (11-Cl-PF3OUdS) | 17.6 | ng/L | 0.283 | 2.00 | 20 | | 88.2 | 55-160 | | | |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 23.7 | ng/L | 0.713 | 2.00 | 20 | | 118 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 36.1 | ng/L | 1.31 | 2.00 | 19.2 | | 188 | 50-150 | | | S |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 22.5 | ng/L | 0.238 | 2.00 | 20 | | 113 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 22.2 | ng/L | 0.509 | 2.00 | 20 | | 111 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 447 | ng/L | 17.5 | 100 | 400 | | 112 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | 605 | ng/L | 15.3 | 100 | 400 | | 151 | 65-130 | | | S |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 520 | ng/L | 27.6 | 100 | 400 | | 130 | 70-135 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2703538 | **Run ID:** | 4290446 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2703538-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:42 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 21.1 | ng/L | 0.283 | 2.00 | 20 | | 106 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 21.3 | ng/L | 0.363 | 2.00 | 20 | | 107 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 21.4 | ng/L | 0.878 | 2.00 | 20 | | 107 | 70-140 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 24.0 | ng/L | 0.475 | 2.00 | 20 | | 120 | 60-150 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 23.5 | ng/L | 0.527 | 2.00 | 20 | | 117 | 70-145 | | | |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 23.4 | ng/L | 0.480 | 2.00 | 20 | | 117 | 70-135 | | | |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 25.0 | ng/L | 0.689 | 2.00 | 20 | | 125 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 22.7 | ng/L | 0.654 | 2.00 | 20 | | 113 | 50-140 | | | |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 24.1 | ng/L | 0.566 | 2.00 | 20 | | 121 | 70-145 | | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 22.6 | ng/L | 1.55 | 2.00 | 20 | | 113 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 21.3 | ng/L | 0.363 | 2.00 | 20 | | 107 | 70-140 | | | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 27.0 | ng/L | 0.406 | 2.00 | 20 | | 135 | 55-140 | | | |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 21.6 | ng/L | 0.621 | 2.00 | 18.6 | | 116 | 50-150 | | | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 25.9 | ng/L | 0.791 | 2.00 | 20 | | 129 | 60-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 23.3 | ng/L | 0.527 | 2.00 | 20 | | 117 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 22.1 | ng/L | 0.953 | 2.00 | 20 | | 111 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 21.4 | ng/L | 0.356 | 2.00 | 20 | | 107 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 20.3 | ng/L | 0.598 | 2.00 | 20 | | 101 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 19.9 | ng/L | 0.382 | 2.00 | 20 | | 99.5 | 70-140 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 14.4 | ng/L | 0.646 | 2.00 | 20 | | 71.8 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 22.2 | ng/L | 0.834 | 2.00 | 20 | | 111 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 21.0 | ng/L | 0.602 | 2.00 | 20 | | 105 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 20.8 | ng/L | 0.423 | 2.00 | 20 | | 104 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 38.6 | ng/L | | 2.00 | 20 | | 193 | 50-150 | | | S |
| Perfluorohexane sulfonic acid (PFHxS) | 23.2 | ng/L | 0.504 | 2.00 | 20 | | 116 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 24.4 | ng/L | 1.37 | 2.00 | 20 | | 122 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 21.2 | ng/L | 0.307 | 2.00 | 20 | | 106 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 22.3 | ng/L | 0.504 | 2.00 | 20 | | 111 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 21.9 | ng/L | 0.152 | 2.00 | 20 | | 109 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 38.5 | ng/L | | 2.00 | 20 | | 192 | 50-150 | | | S |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2703538 | **Run ID:** | 4290446 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2703538-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:42 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctane sulfonamide (PFOSAm) | 22.3 | ng/L | 0.722 | 2.00 | 20 | | 111 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 21.4 | ng/L | 1.06 | 2.00 | 20 | | 107 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 20.6 | ng/L | 0.406 | 2.00 | 20 | | 103 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 23.9 | ng/L | 0.356 | 2.00 | 20 | | 119 | 65-140 | | | |
| Perfluoropentanoic acid (PFPeA) | 22.3 | ng/L | 0.414 | 2.00 | 20 | | 112 | 65-135 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 21.5 | ng/L | 0.336 | 2.00 | 20 | | 108 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 24.9 | ng/L | 0.439 | 2.00 | 20 | | 124 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 21.3 | ng/L | 0.217 | 2.00 | 20 | | 106 | 70-145 | | | |
| *Surr: 13C2-FtS 10:2* | ***42.3*** | *ng/L* | | | 50 | | 84.6 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***103*** | *ng/L* | | | 100 | | 103 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***107*** | *ng/L* | | | 100 | | 107 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***104*** | *ng/L* | | | 100 | | 104 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***23.9*** | *ng/L* | | | 25 | | 95.8 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***31.0*** | *ng/L* | | | 50 | | 62.0 | *10-299* | | | |
| *Surr: 13C2-PFTeDA* | ***19.0*** | *ng/L* | | | 25 | | 76.1 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***197*** | *ng/L* | | | 200 | | 98.3 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***49.3*** | *ng/L* | | | 50 | | 98.6 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***48.0*** | *ng/L* | | | 50 | | 95.9 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***212*** | *ng/L* | | | 200 | | 106 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***48.1*** | *ng/L* | | | 50 | | 96.2 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***51.3*** | *ng/L* | | | 50 | | 103 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***88.2*** | *ng/L* | | | 100 | | 88.2 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***26.6*** | *ng/L* | | | 25 | | 106 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***24.1*** | *ng/L* | | | 25 | | 96.5 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***43.6*** | *ng/L* | | | 50 | | 87.2 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***52.5*** | *ng/L* | | | 50 | | 105 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***45.5*** | *ng/L* | | | 50 | | 91.1 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***25.4*** | *ng/L* | | | 25 | | 102 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***39.1*** | *ng/L* | | | 50 | | 78.3 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***100*** | *ng/L* | | | 100 | | 100.0 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***38.8*** | *ng/L* | | | 50 | | 77.5 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***99.4*** | *ng/L* | | | 100 | | 99.4 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***331*** | *ng/L* | | | 500 | | 66.2 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***325*** | *ng/L* | | | 500 | | 65.0 | *10-130* | | | |

**The following samples were analyzed in this batch:** HN2611835-005, HN2611835-006, HN2611835-007, HN2611835-008, HN2611835-009, HN2611835-010, HN2611835-011

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4290780 |

## Per- and Polyfluorinated Alkyl Substances by LC-MS

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2704452-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/12/26 22:36 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | ND | ng/L | 0.713 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | ND | ng/L | 1.31 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | ND | ng/L | 0.238 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | ND | ng/L | 17.5 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | ND | ng/L | 15.3 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | ND | ng/L | 27.6 | 100 | | | | | | | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | ND | ng/L | 0.878 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | ND | ng/L | 0.475 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | ND | ng/L | 0.480 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | ND | ng/L | 0.689 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | ND | ng/L | 0.654 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | ND | ng/L | 0.566 | 2.00 | | | | | | | U |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ND | ng/L | 1.55 | 2.00 | | | | | | | U |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | ND | ng/L | 0.621 | 2.00 | | | | | | | U |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | ng/L | 0.791 | 2.00 | | | | | | | U |
| Perfluorobutane sulfonic acid (PFBS) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| Perfluorobutanoic acid (PFBA) | ND | ng/L | 0.953 | 2.00 | | | | | | | U |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4290780 |

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2704452-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/12/26 22:36 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutylsulfonamide (PFBSA) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluorodecane sulfonic acid (PFDS) | ND | ng/L | 0.598 | 2.00 | | | | | | | U |
| Perfluorodecanoic acid (PFDA) | ND | ng/L | 0.382 | 2.00 | | | | | | | U |
| Perfluorododecane sulfonic acid (PFDoS) | ND | ng/L | 0.646 | 2.00 | | | | | | | U |
| Perfluorododecanoic acid (PFDOA) | ND | ng/L | 0.834 | 2.00 | | | | | | | U |
| Perfluoroheptane sulfonic acid (PFHpS) | ND | ng/L | 0.602 | 2.00 | | | | | | | U |
| Perfluoroheptanoic acid (PFHpA) | ND | ng/L | 0.423 | 2.00 | | | | | | | U |
| Perfluorohexadecanoic acid (PFHxDA) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| Perfluorohexane sulfonic acid (PFHxS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorohexanesulfonamide (PFHxSA) | ND | ng/L | 1.37 | 2.00 | | | | | | | U |
| Perfluorohexanoic acid (PFHxA) | ND | ng/L | 0.307 | 2.00 | | | | | | | U |
| Perfluorononane sulfonic acid (PFNS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorononanoic acid (PFNA) | ND | ng/L | 0.152 | 2.00 | | | | | | | U |
| Perfluorooctadecanoic acid (PFODA) | ND | ng/L | 0.434 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonamide (PFOSAm) | ND | ng/L | 0.722 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonic acid (PFOS) | ND | ng/L | 1.06 | 2.00 | | | | | | | U |
| Perfluorooctanoic acid (PFOA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoropentane sulfonic acid (PFPeS) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluoropentanoic acid (PFPeA) | ND | ng/L | 0.414 | 2.00 | | | | | | | U |
| Perfluorotetradecanoic acid (PFTDA) | ND | ng/L | 0.336 | 2.00 | | | | | | | U |
| Perfluorotridecanoic acid (PFTrDA) | ND | ng/L | 0.439 | 2.00 | | | | | | | U |
| Perfluoroundecanoic acid (PFUnDA) | ND | ng/L | 0.217 | 2.00 | | | | | | | U |
| *Surr: 13C2-FtS 10:2* | ***31.7*** | *ng/L* | | | 50 | | 63.5 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***83.6*** | *ng/L* | | | 100 | | 83.6 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***78.8*** | *ng/L* | | | 100 | | 78.8 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***128*** | *ng/L* | | | 100 | | 128 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***21.7*** | *ng/L* | | | 25 | | 86.7 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***29.7*** | *ng/L* | | | 50 | | 59.4 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***16.7*** | *ng/L* | | | 25 | | 67.0 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***187*** | *ng/L* | | | 200 | | 93.5 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***40.0*** | *ng/L* | | | 50 | | 79.9 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***36.4*** | *ng/L* | | | 50 | | 72.8 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***173*** | *ng/L* | | | 200 | | 86.5 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***49.3*** | *ng/L* | | | 50 | | 98.5 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***43.6*** | *ng/L* | | | 50 | | 87.2 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***74.3*** | *ng/L* | | | 100 | | 74.3 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***24.5*** | *ng/L* | | | 25 | | 98.0 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***20.3*** | *ng/L* | | | 25 | | 81.2 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***36.7*** | *ng/L* | | | 50 | | 73.4 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***45.3*** | *ng/L* | | | 50 | | 90.7 | *40-130* | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4290780 |

**MB** **CLIENT ID: Method Blank** **Lab ID: QC-2704452-001**

**Method:** EPA 1633A **Dilution:** 1 **Analysis Date:** 07/12/26 22:36

**Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C8-PFOS* | ***37.1*** | *ng/L* | | | 50 | | 74.2 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***21.6*** | *ng/L* | | | 25 | | 86.4 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***37.2*** | *ng/L* | | | 50 | | 74.4 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***76.2*** | *ng/L* | | | 100 | | 76.2 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***39.7*** | *ng/L* | | | 50 | | 79.4 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***73.7*** | *ng/L* | | | 100 | | 73.7 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***298*** | *ng/L* | | | 500 | | 59.6 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***281*** | *ng/L* | | | 500 | | 56.2 | *10-130* | | | |

**LCS** **CLIENT ID: Laboratory Control Sample** **Lab ID: QC-2704452-002**

**Method:** EPA 1633A **Dilution:** 1 **Analysis Date:** 07/12/26 22:56

**Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | 4.24 | ng/L | 0.283 | 2.00 | 4 | | 106 | 55-160 | | | |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 4.98 | ng/L | 0.713 | 2.00 | 4 | | 124 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 4.65 | ng/L | 1.31 | 2.00 | 3.86 | | 121 | 50-150 | | | |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 4.24 | ng/L | 0.238 | 2.00 | 4 | | 106 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 5.26 | ng/L | 0.509 | 2.00 | 4 | | 132 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 211 | ng/L | 17.5 | 100 | 200 | | 105 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 212 | ng/L | 27.6 | 100 | 200 | | 106 | 70-135 | | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 4.40 | ng/L | 0.283 | 2.00 | 4 | | 110 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 5.14 | ng/L | 0.363 | 2.00 | 4 | | 129 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 4.28 | ng/L | 0.878 | 2.00 | 4 | | 107 | 70-140 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 4.56 | ng/L | 0.475 | 2.00 | 4 | | 114 | 65-145 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 4.86 | ng/L | 0.527 | 2.00 | 4 | | 122 | 70-145 | | | |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 4.91 | ng/L | 0.480 | 2.00 | 4 | | 123 | 70-135 | | | |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 4.24 | ng/L | 0.689 | 2.00 | 4 | | 106 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 4.89 | ng/L | 0.654 | 2.00 | 4 | | 122 | 50-140 | | | |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 4.30 | ng/L | 0.566 | 2.00 | 4 | | 108 | 70-145 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4290780 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2704452-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/12/26 22:56 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 5.84 | ng/L | 1.55 | 2.00 | 4 | | 146 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 4.76 | ng/L | 0.363 | 2.00 | 4 | | 119 | 70-140 | | | |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 3.20 | ng/L | 0.621 | 2.00 | 3.74 | | 85.5 | 50-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 4.41 | ng/L | 0.527 | 2.00 | 4 | | 110 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 5.04 | ng/L | 0.953 | 2.00 | 4 | | 126 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 4.35 | ng/L | 0.356 | 2.00 | 4 | | 109 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 3.89 | ng/L | 0.598 | 2.00 | 4 | | 97.4 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 4.48 | ng/L | 0.382 | 2.00 | 4 | | 112 | 70-149 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 3.20 | ng/L | 0.646 | 2.00 | 4 | | 80.0 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 4.61 | ng/L | 0.834 | 2.00 | 4 | | 115 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 4.86 | ng/L | 0.602 | 2.00 | 4 | | 121 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 4.01 | ng/L | 0.423 | 2.00 | 4 | | 100 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 5.20 | ng/L | 0.509 | 2.00 | 4 | | 130 | 50-150 | | | |
| Perfluorohexane sulfonic acid (PFHxS) | 5.17 | ng/L | 0.504 | 2.00 | 4 | | 129 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 3.88 | ng/L | 1.37 | 2.00 | 4 | | 96.9 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 5.42 | ng/L | 0.307 | 2.00 | 4 | | 135 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 4.14 | ng/L | 0.504 | 2.00 | 4 | | 104 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 4.68 | ng/L | 0.152 | 2.00 | 4 | | 117 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 4.46 | ng/L | 0.434 | 2.00 | 4 | | 111 | 50-150 | | | |
| Perfluorooctane sulfonamide (PFOSAm) | 4.57 | ng/L | 0.722 | 2.00 | 4 | | 114 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 5.26 | ng/L | 1.06 | 2.00 | 4 | | 131 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 3.94 | ng/L | 0.406 | 2.00 | 4 | | 98.6 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 4.43 | ng/L | 0.356 | 2.00 | 4 | | 111 | 65-140 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 5.36 | ng/L | 0.336 | 2.00 | 4 | | 134 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 4.40 | ng/L | 0.439 | 2.00 | 4 | | 110 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 5.69 | ng/L | 0.217 | 2.00 | 4 | | 142 | 70-145 | | | |
| *Surr: 13C2-FtS 10:2* | ***39.5*** | *ng/L* | | | 50 | | 79.0 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***87.0*** | *ng/L* | | | 100 | | 87.0 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***84.2*** | *ng/L* | | | 100 | | 84.2 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***146*** | *ng/L* | | | 100 | | 146 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***26.3*** | *ng/L* | | | 25 | | 105 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***36.3*** | *ng/L* | | | 50 | | 72.5 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***21.0*** | *ng/L* | | | 25 | | 84.0 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***186*** | *ng/L* | | | 200 | | 92.9 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***41.4*** | *ng/L* | | | 50 | | 82.8 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***38.4*** | *ng/L* | | | 50 | | 76.7 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***173*** | *ng/L* | | | 200 | | 86.6 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***51.1*** | *ng/L* | | | 50 | | 102 | *40-130* | | | |

**Client:** ALS Environmental
**Project:** 26F1775
**Matrix:** WATER
**QC Lot:** 2704452

**Work Order:** HN2611835
**Date Collected:** NA
**Date Received:** NA
**Run ID:** 4290780

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2704452-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/12/26 22:56 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C5-PFHxA* | ***44.6*** | *ng/L* | | | 50 | | 89.3 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***25.2*** | *ng/L* | | | 25 | | 101 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***21.4*** | *ng/L* | | | 25 | | 85.7 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***35.7*** | *ng/L* | | | 50 | | 71.5 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***47.2*** | *ng/L* | | | 50 | | 94.3 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***40.4*** | *ng/L* | | | 50 | | 80.7 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***22.3*** | *ng/L* | | | 25 | | 89.1 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***38.6*** | *ng/L* | | | 50 | | 77.1 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***76.5*** | *ng/L* | | | 100 | | 76.5 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***39.3*** | *ng/L* | | | 50 | | 78.7 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***76.4*** | *ng/L* | | | 100 | | 76.4 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***308*** | *ng/L* | | | 500 | | 61.5 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***278*** | *ng/L* | | | 500 | | 55.7 | *10-130* | | | |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2704452-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/12/26 23:16 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane -1-sulfonic acid (11-Cl-PF3OUdS) | 19.8 | ng/L | 0.283 | 2.00 | 20 | | 99.0 | 55-160 | | | |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 24.1 | ng/L | 0.713 | 2.00 | 20 | | 121 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 25.9 | ng/L | 1.31 | 2.00 | 19.2 | | 135 | 50-150 | | | |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 22.1 | ng/L | 0.238 | 2.00 | 20 | | 110 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 23.4 | ng/L | 0.509 | 2.00 | 20 | | 117 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 436 | ng/L | 17.5 | 100 | 400 | | 109 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 447 | ng/L | 27.6 | 100 | 400 | | 112 | 70-135 | | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 21.7 | ng/L | 0.283 | 2.00 | 20 | | 109 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 23.4 | ng/L | 0.363 | 2.00 | 20 | | 117 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 23.5 | ng/L | 0.878 | 2.00 | 20 | | 118 | 70-140 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 19.9 | ng/L | 0.475 | 2.00 | 20 | | 99.7 | 60-150 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 21.9 | ng/L | 0.527 | 2.00 | 20 | | 110 | 70-145 | | | |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 23.4 | ng/L | 0.480 | 2.00 | 20 | | 117 | 70-135 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4290780 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2704452-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/12/26 23:16 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 19.5 | ng/L | 0.689 | 2.00 | 20 | | 97.6 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 24.4 | ng/L | 0.654 | 2.00 | 20 | | 122 | 50-140 | | | |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 21.7 | ng/L | 0.566 | 2.00 | 20 | | 109 | 70-145 | | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 27.3 | ng/L | 1.55 | 2.00 | 20 | | 136 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 23.3 | ng/L | 0.363 | 2.00 | 20 | | 116 | 70-140 | | | |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 17.4 | ng/L | 0.621 | 2.00 | 18.6 | | 93.5 | 50-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 22.6 | ng/L | 0.527 | 2.00 | 20 | | 113 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 24.1 | ng/L | 0.953 | 2.00 | 20 | | 120 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 22.5 | ng/L | 0.356 | 2.00 | 20 | | 112 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 21.4 | ng/L | 0.598 | 2.00 | 20 | | 107 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 21.0 | ng/L | 0.382 | 2.00 | 20 | | 105 | 70-140 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 17.0 | ng/L | 0.646 | 2.00 | 20 | | 84.8 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 22.2 | ng/L | 0.834 | 2.00 | 20 | | 111 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 23.2 | ng/L | 0.602 | 2.00 | 20 | | 116 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 19.2 | ng/L | 0.423 | 2.00 | 20 | | 96.2 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 25.3 | ng/L | | 2.00 | 20 | | 126 | 50-150 | | | |
| Perfluorohexane sulfonic acid (PFHxS) | 24.2 | ng/L | 0.504 | 2.00 | 20 | | 121 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 17.0 | ng/L | 1.37 | 2.00 | 20 | | 85.0 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 25.2 | ng/L | 0.307 | 2.00 | 20 | | 126 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 21.0 | ng/L | 0.504 | 2.00 | 20 | | 105 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 23.6 | ng/L | 0.152 | 2.00 | 20 | | 118 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 21.9 | ng/L | | 2.00 | 20 | | 110 | 50-150 | | | |
| Perfluorooctane sulfonamide (PFOSAm) | 23.4 | ng/L | 0.722 | 2.00 | 20 | | 117 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 23.7 | ng/L | 1.06 | 2.00 | 20 | | 118 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 19.7 | ng/L | 0.406 | 2.00 | 20 | | 98.3 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 24.0 | ng/L | 0.356 | 2.00 | 20 | | 120 | 65-140 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 25.2 | ng/L | 0.336 | 2.00 | 20 | | 126 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 20.9 | ng/L | 0.439 | 2.00 | 20 | | 105 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 25.0 | ng/L | 0.217 | 2.00 | 20 | | 125 | 70-145 | | | |
| *Surr: 13C2-FtS 10:2* | ***39.3*** | *ng/L* | | | 50 | | 78.7 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***90.3*** | *ng/L* | | | 100 | | 90.3 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***83.2*** | *ng/L* | | | 100 | | 83.2 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***150*** | *ng/L* | | | 100 | | 150 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***24.8*** | *ng/L* | | | 25 | | 99.4 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***40.0*** | *ng/L* | | | 50 | | 80.0 | *10-299* | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4290780 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2704452-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/12/26 23:16 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C2-PFTeDA* | ***22.3*** | *ng/L* | | | 25 | | 89.2 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***189*** | *ng/L* | | | 200 | | 94.5 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***41.4*** | *ng/L* | | | 50 | | 82.8 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***38.3*** | *ng/L* | | | 50 | | 76.7 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***182*** | *ng/L* | | | 200 | | 90.9 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***52.0*** | *ng/L* | | | 50 | | 104 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***45.6*** | *ng/L* | | | 50 | | 91.2 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***25.4*** | *ng/L* | | | 25 | | 102 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***23.4*** | *ng/L* | | | 25 | | 93.4 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***38.9*** | *ng/L* | | | 50 | | 77.7 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***48.2*** | *ng/L* | | | 50 | | 96.4 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***40.0*** | *ng/L* | | | 50 | | 80.0 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***23.0*** | *ng/L* | | | 25 | | 91.9 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***40.3*** | *ng/L* | | | 50 | | 80.6 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***82.5*** | *ng/L* | | | 100 | | 82.5 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***42.5*** | *ng/L* | | | 50 | | 85.0 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***83.3*** | *ng/L* | | | 100 | | 83.3 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***338*** | *ng/L* | | | 500 | | 67.7 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***323*** | *ng/L* | | | 500 | | 64.6 | *10-130* | | | |

**The following samples were analyzed in this batch:** HN2611835-001, HN2611835-012

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4293805 |

## Per- and Polyfluorinated Alkyl Substances by LC-MS

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2704452-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/13/26 14:05 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | 213 | ng/L | 15.3 | 100 | 200 | | 107 | 65-130 | | | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 5.24 | ng/L | 0.406 | 2.00 | 4 | | 131 | 55-140 | | | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 4.97 | ng/L | 0.791 | 2.00 | 4 | | 124 | 60-150 | | | |
| Perfluoropentanoic acid (PFPeA) | 4.80 | ng/L | 0.414 | 2.00 | 4 | | 120 | 65-135 | | | |
| *Surr: 13C5-PFPeA* | ***84.0*** | *ng/L* | | | 100 | | 84.0 | *40-130* | | | |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2704452-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/13/26 14:25 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | 492 | ng/L | 15.3 | 100 | 400 | | 123 | 65-130 | | | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 25.5 | ng/L | 0.406 | 2.00 | 20 | | 127 | 55-140 | | | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 24.9 | ng/L | 0.791 | 2.00 | 20 | | 124 | 60-150 | | | |
| Perfluoropentanoic acid (PFPeA) | 22.6 | ng/L | 0.414 | 2.00 | 20 | | 113 | 65-135 | | | |
| *Surr: 13C5-PFPeA* | ***84.9*** | *ng/L* | | | 100 | | 84.9 | *40-130* | | | |

**The following samples were analyzed in this batch:** HN2611835-001, HN2611835-012

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2706785 | **Run ID:** | 4291006 |

## Per- and Polyfluorinated Alkyl Substances by LC-MS

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2706785-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:02 | **Prep Date:** 07/11/26 14:20

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | ND | ng/L | 0.713 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | ND | ng/L | 1.31 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | ND | ng/L | 0.238 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | ND | ng/L | 17.5 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | ND | ng/L | 15.3 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | ND | ng/L | 27.6 | 100 | | | | | | | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | ND | ng/L | 0.878 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | ND | ng/L | 0.475 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | ND | ng/L | 0.480 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | ND | ng/L | 0.689 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | ND | ng/L | 0.654 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | ND | ng/L | 0.566 | 2.00 | | | | | | | U |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ND | ng/L | 1.55 | 2.00 | | | | | | | U |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | ND | ng/L | 0.621 | 2.00 | | | | | | | U |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | ng/L | 0.791 | 2.00 | | | | | | | U |
| Perfluorobutane sulfonic acid (PFBS) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| Perfluorobutanoic acid (PFBA) | ND | ng/L | 0.953 | 2.00 | | | | | | | U |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2706785 | **Run ID:** | 4291006 |

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2706785-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:02 | **Prep Date:** 07/11/26 14:20

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutylsulfonamide (PFBSA) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluorodecane sulfonic acid (PFDS) | ND | ng/L | 0.598 | 2.00 | | | | | | | U |
| Perfluorodecanoic acid (PFDA) | ND | ng/L | 0.382 | 2.00 | | | | | | | U |
| Perfluorododecane sulfonic acid (PFDoS) | ND | ng/L | 0.646 | 2.00 | | | | | | | U |
| Perfluorododecanoic acid (PFDOA) | ND | ng/L | 0.834 | 2.00 | | | | | | | U |
| Perfluoroheptane sulfonic acid (PFHpS) | ND | ng/L | 0.602 | 2.00 | | | | | | | U |
| Perfluoroheptanoic acid (PFHpA) | ND | ng/L | 0.423 | 2.00 | | | | | | | U |
| Perfluorohexadecanoic acid (PFHxDA) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| Perfluorohexane sulfonic acid (PFHxS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorohexanesulfonamide (PFHxSA) | ND | ng/L | 1.37 | 2.00 | | | | | | | U |
| Perfluorohexanoic acid (PFHxA) | ND | ng/L | 0.307 | 2.00 | | | | | | | U |
| Perfluorononane sulfonic acid (PFNS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorononanoic acid (PFNA) | ND | ng/L | 0.152 | 2.00 | | | | | | | U |
| Perfluorooctadecanoic acid (PFODA) | ND | ng/L | 0.434 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonamide (PFOSAm) | ND | ng/L | 0.722 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonic acid (PFOS) | ND | ng/L | 1.06 | 2.00 | | | | | | | U |
| Perfluorooctanoic acid (PFOA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoropentane sulfonic acid (PFPeS) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluoropentanoic acid (PFPeA) | ND | ng/L | 0.414 | 2.00 | | | | | | | U |
| Perfluorotetradecanoic acid (PFTDA) | ND | ng/L | 0.336 | 2.00 | | | | | | | U |
| Perfluorotridecanoic acid (PFTrDA) | ND | ng/L | 0.439 | 2.00 | | | | | | | U |
| Perfluoroundecanoic acid (PFUnDA) | ND | ng/L | 0.217 | 2.00 | | | | | | | U |
| *Surr: 13C2-FtS 10:2* | ***48.6*** | *ng/L* | | | 50 | | 97.2 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***113*** | *ng/L* | | | 100 | | 113 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***118*** | *ng/L* | | | 100 | | 118 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***114*** | *ng/L* | | | 100 | | 114 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***26.8*** | *ng/L* | | | 25 | | 107 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***31.8*** | *ng/L* | | | 50 | | 63.6 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***20.3*** | *ng/L* | | | 25 | | 81.1 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***216*** | *ng/L* | | | 200 | | 108 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***54.2*** | *ng/L* | | | 50 | | 108 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***54.8*** | *ng/L* | | | 50 | | 110 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***236*** | *ng/L* | | | 200 | | 118 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***56.7*** | *ng/L* | | | 50 | | 113 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***58.1*** | *ng/L* | | | 50 | | 116 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***103*** | *ng/L* | | | 100 | | 103 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***30.3*** | *ng/L* | | | 25 | | 121 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***27.5*** | *ng/L* | | | 25 | | 110 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***51.2*** | *ng/L* | | | 50 | | 102 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***56.7*** | *ng/L* | | | 50 | | 113 | *40-130* | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2706785 | **Run ID:** | 4291006 |

**MB** **CLIENT ID: Method Blank** **Lab ID: QC-2706785-001**

**Method:** EPA 1633A **Dilution:** 1 **Analysis Date:** 07/11/26 22:02

**Prep Date:** 07/11/26 14:20

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C8-PFOS* | ***53.6*** | *ng/L* | | | 50 | | 107 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***28.5*** | *ng/L* | | | 25 | | 114 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***46.0*** | *ng/L* | | | 50 | | 91.9 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***120*** | *ng/L* | | | 100 | | 120 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***44.6*** | *ng/L* | | | 50 | | 89.1 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***114*** | *ng/L* | | | 100 | | 114 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***363*** | *ng/L* | | | 500 | | 72.6 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***349*** | *ng/L* | | | 500 | | 69.8 | *10-130* | | | |

**LCS** **CLIENT ID: Laboratory Control Sample** **Lab ID: QC-2706785-002**

**Method:** EPA 1633A **Dilution:** 1 **Analysis Date:** 07/11/26 22:22

**Prep Date:** 07/11/26 14:20

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | 3.54 | ng/L | 0.283 | 2.00 | 4 | | 88.6 | 55-160 | | | |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 4.41 | ng/L | 0.713 | 2.00 | 4 | | 110 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 4.88 | ng/L | 1.31 | 2.00 | 3.86 | | 126 | 50-150 | | | |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 4.55 | ng/L | 0.238 | 2.00 | 4 | | 114 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 4.40 | ng/L | 0.509 | 2.00 | 4 | | 110 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 172 | ng/L | 17.5 | 100 | 200 | | 85.9 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | 202 | ng/L | 15.3 | 100 | 200 | | 101 | 65-130 | | | |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 188 | ng/L | 27.6 | 100 | 200 | | 94.0 | 70-135 | | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 4.29 | ng/L | 0.283 | 2.00 | 4 | | 107 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 4.19 | ng/L | 0.363 | 2.00 | 4 | | 105 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 4.00 | ng/L | 0.878 | 2.00 | 4 | | 100.0 | 70-140 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 4.46 | ng/L | 0.475 | 2.00 | 4 | | 112 | 65-145 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 4.41 | ng/L | 0.527 | 2.00 | 4 | | 110 | 70-145 | | | |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 4.50 | ng/L | 0.480 | 2.00 | 4 | | 113 | 70-135 | | | |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 3.99 | ng/L | 0.689 | 2.00 | 4 | | 99.7 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 3.86 | ng/L | 0.654 | 2.00 | 4 | | 96.6 | 50-140 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2706785 | **Run ID:** | 4291006 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2706785-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:22 | **Prep Date:** 07/11/26 14:20

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 4.70 | ng/L | 0.566 | 2.00 | 4 | | 118 | 70-145 | | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 5.01 | ng/L | 1.55 | 2.00 | 4 | | 125 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 4.33 | ng/L | 0.363 | 2.00 | 4 | | 108 | 70-140 | | | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 5.21 | ng/L | 0.406 | 2.00 | 4 | | 130 | 55-140 | | | |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 3.98 | ng/L | 0.621 | 2.00 | 3.74 | | 106 | 50-150 | | | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 4.99 | ng/L | 0.791 | 2.00 | 4 | | 125 | 60-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 4.73 | ng/L | 0.527 | 2.00 | 4 | | 118 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 4.43 | ng/L | 0.953 | 2.00 | 4 | | 111 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 4.22 | ng/L | 0.356 | 2.00 | 4 | | 105 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 4.16 | ng/L | 0.598 | 2.00 | 4 | | 104 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 4.05 | ng/L | 0.382 | 2.00 | 4 | | 101 | 70-149 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 3.17 | ng/L | 0.646 | 2.00 | 4 | | 79.2 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 4.49 | ng/L | 0.834 | 2.00 | 4 | | 112 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 3.93 | ng/L | 0.602 | 2.00 | 4 | | 98.3 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 4.14 | ng/L | 0.423 | 2.00 | 4 | | 104 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 4.40 | ng/L | 0.509 | 2.00 | 4 | | 110 | 50-150 | | | |
| Perfluorohexane sulfonic acid (PFHxS) | 4.57 | ng/L | 0.504 | 2.00 | 4 | | 114 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 4.16 | ng/L | 1.37 | 2.00 | 4 | | 104 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 4.20 | ng/L | 0.307 | 2.00 | 4 | | 105 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 4.65 | ng/L | 0.504 | 2.00 | 4 | | 116 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 4.25 | ng/L | 0.152 | 2.00 | 4 | | 106 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 4.88 | ng/L | 0.434 | 2.00 | 4 | | 122 | 50-150 | | | |
| Perfluorooctane sulfonamide (PFOSAm) | 4.17 | ng/L | 0.722 | 2.00 | 4 | | 104 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 4.36 | ng/L | 1.06 | 2.00 | 4 | | 109 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 4.53 | ng/L | 0.406 | 2.00 | 4 | | 113 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 4.86 | ng/L | 0.356 | 2.00 | 4 | | 122 | 65-140 | | | |
| Perfluoropentanoic acid (PFPeA) | 4.48 | ng/L | 0.414 | 2.00 | 4 | | 112 | 65-135 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 4.36 | ng/L | 0.336 | 2.00 | 4 | | 109 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 4.93 | ng/L | 0.439 | 2.00 | 4 | | 123 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 4.19 | ng/L | 0.217 | 2.00 | 4 | | 105 | 70-145 | | | |
| *Surr: 13C2-FtS 10:2* | ***48.0*** | *ng/L* | | | 50 | | 96.0 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***108*** | *ng/L* | | | 100 | | 108 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***114*** | *ng/L* | | | 100 | | 114 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***111*** | *ng/L* | | | 100 | | 111 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***26.0*** | *ng/L* | | | 25 | | 104 | *10-130* | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2706785 | **Run ID:** | 4291006 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2706785-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:22 | **Prep Date:** 07/11/26 14:20

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C2-PFHxDA* | ***33.5*** | *ng/L* | | | 50 | | 67.0 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***21.7*** | *ng/L* | | | 25 | | 86.7 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***203*** | *ng/L* | | | 200 | | 102 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***50.2*** | *ng/L* | | | 50 | | 100 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***50.8*** | *ng/L* | | | 50 | | 102 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***221*** | *ng/L* | | | 200 | | 110 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***50.6*** | *ng/L* | | | 50 | | 101 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***52.6*** | *ng/L* | | | 50 | | 105 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***92.7*** | *ng/L* | | | 100 | | 92.7 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***28.1*** | *ng/L* | | | 25 | | 112 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***26.0*** | *ng/L* | | | 25 | | 104 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***44.7*** | *ng/L* | | | 50 | | 89.5 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***54.1*** | *ng/L* | | | 50 | | 108 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***46.8*** | *ng/L* | | | 50 | | 93.6 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***26.9*** | *ng/L* | | | 25 | | 107 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***40.9*** | *ng/L* | | | 50 | | 81.9 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***106*** | *ng/L* | | | 100 | | 106 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***41.0*** | *ng/L* | | | 50 | | 82.0 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***99.8*** | *ng/L* | | | 100 | | 99.8 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***352*** | *ng/L* | | | 500 | | 70.4 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***346*** | *ng/L* | | | 500 | | 69.2 | *10-130* | | | |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2706785-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:42 | **Prep Date:** 07/11/26 14:20

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane -1-sulfonic acid (11-Cl-PF3OUdS) | 17.6 | ng/L | 0.283 | 2.00 | 20 | | 88.2 | 55-160 | | | |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 23.7 | ng/L | 0.713 | 2.00 | 20 | | 118 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 36.1 | ng/L | 1.31 | 2.00 | 19.2 | | 188 | 50-150 | | | S |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 22.5 | ng/L | 0.238 | 2.00 | 20 | | 113 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 22.2 | ng/L | 0.509 | 2.00 | 20 | | 111 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 447 | ng/L | 17.5 | 100 | 400 | | 112 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | 605 | ng/L | 15.3 | 100 | 400 | | 151 | 65-130 | | | S |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 520 | ng/L | 27.6 | 100 | 400 | | 130 | 70-135 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611835 |
| **Project:** | 26F1775 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2706785 | **Run ID:** | 4291006 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2706785-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:42 | **Prep Date:** 07/11/26 14:20

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 21.1 | ng/L | 0.283 | 2.00 | 20 | | 106 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 21.3 | ng/L | 0.363 | 2.00 | 20 | | 107 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 21.4 | ng/L | 0.878 | 2.00 | 20 | | 107 | 70-140 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 24.0 | ng/L | 0.475 | 2.00 | 20 | | 120 | 60-150 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 23.5 | ng/L | 0.527 | 2.00 | 20 | | 117 | 70-145 | | | |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 23.4 | ng/L | 0.480 | 2.00 | 20 | | 117 | 70-135 | | | |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 25.0 | ng/L | 0.689 | 2.00 | 20 | | 125 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 22.7 | ng/L | 0.654 | 2.00 | 20 | | 113 | 50-140 | | | |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 24.1 | ng/L | 0.566 | 2.00 | 20 | | 121 | 70-145 | | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 22.6 | ng/L | 1.55 | 2.00 | 20 | | 113 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 21.3 | ng/L | 0.363 | 2.00 | 20 | | 107 | 70-140 | | | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 27.0 | ng/L | 0.406 | 2.00 | 20 | | 135 | 55-140 | | | |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 21.6 | ng/L | 0.621 | 2.00 | 18.6 | | 116 | 50-150 | | | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 25.9 | ng/L | 0.791 | 2.00 | 20 | | 129 | 60-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 23.3 | ng/L | 0.527 | 2.00 | 20 | | 117 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 22.1 | ng/L | 0.953 | 2.00 | 20 | | 111 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 21.4 | ng/L | 0.356 | 2.00 | 20 | | 107 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 20.3 | ng/L | 0.598 | 2.00 | 20 | | 101 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 19.9 | ng/L | 0.382 | 2.00 | 20 | | 99.5 | 70-140 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 14.4 | ng/L | 0.646 | 2.00 | 20 | | 71.8 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 22.2 | ng/L | 0.834 | 2.00 | 20 | | 111 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 21.0 | ng/L | 0.602 | 2.00 | 20 | | 105 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 20.8 | ng/L | 0.423 | 2.00 | 20 | | 104 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 38.6 | ng/L | | 2.00 | 20 | | 193 | 50-150 | | | S |
| Perfluorohexane sulfonic acid (PFHxS) | 23.2 | ng/L | 0.504 | 2.00 | 20 | | 116 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 24.4 | ng/L | 1.37 | 2.00 | 20 | | 122 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 21.2 | ng/L | 0.307 | 2.00 | 20 | | 106 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 22.3 | ng/L | 0.504 | 2.00 | 20 | | 111 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 21.9 | ng/L | 0.152 | 2.00 | 20 | | 109 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 38.5 | ng/L | | 2.00 | 20 | | 192 | 50-150 | | | S |

# QA/QC Report

**Client:** ALS Environmental
**Project:** 26F1775
**Matrix:** WATER
**QC Lot:** 2706785

**Work Order:** HN2611835
**Date Collected:** NA
**Date Received:** NA
**Run ID:** 4291006

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2706785-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:42 | **Prep Date:** 07/11/26 14:20

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctane sulfonamide (PFOSAm) | 22.3 | ng/L | 0.722 | 2.00 | 20 | | 111 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 21.4 | ng/L | 1.06 | 2.00 | 20 | | 107 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 20.6 | ng/L | 0.406 | 2.00 | 20 | | 103 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 23.9 | ng/L | 0.356 | 2.00 | 20 | | 119 | 65-140 | | | |
| Perfluoropentanoic acid (PFPeA) | 22.3 | ng/L | 0.414 | 2.00 | 20 | | 112 | 65-135 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 21.5 | ng/L | 0.336 | 2.00 | 20 | | 108 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 24.9 | ng/L | 0.439 | 2.00 | 20 | | 124 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 21.3 | ng/L | 0.217 | 2.00 | 20 | | 106 | 70-145 | | | |
| *Surr: 13C2-FtS 10:2* | ***42.3*** | *ng/L* | | | 50 | | 84.6 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***103*** | *ng/L* | | | 100 | | 103 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***107*** | *ng/L* | | | 100 | | 107 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***104*** | *ng/L* | | | 100 | | 104 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***23.9*** | *ng/L* | | | 25 | | 95.8 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***31.0*** | *ng/L* | | | 50 | | 62.0 | *10-299* | | | |
| *Surr: 13C2-PFTeDA* | ***19.0*** | *ng/L* | | | 25 | | 76.1 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***197*** | *ng/L* | | | 200 | | 98.3 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***49.3*** | *ng/L* | | | 50 | | 98.6 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***48.0*** | *ng/L* | | | 50 | | 95.9 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***212*** | *ng/L* | | | 200 | | 106 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***48.1*** | *ng/L* | | | 50 | | 96.2 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***51.3*** | *ng/L* | | | 50 | | 103 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***88.2*** | *ng/L* | | | 100 | | 88.2 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***26.6*** | *ng/L* | | | 25 | | 106 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***24.1*** | *ng/L* | | | 25 | | 96.5 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***43.6*** | *ng/L* | | | 50 | | 87.2 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***52.5*** | *ng/L* | | | 50 | | 105 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***45.5*** | *ng/L* | | | 50 | | 91.1 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***25.4*** | *ng/L* | | | 25 | | 102 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***39.1*** | *ng/L* | | | 50 | | 78.3 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***100*** | *ng/L* | | | 100 | | 100.0 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***38.8*** | *ng/L* | | | 50 | | 77.5 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***99.4*** | *ng/L* | | | 100 | | 99.4 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***331*** | *ng/L* | | | 500 | | 66.2 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***325*** | *ng/L* | | | 500 | | 65.0 | *10-130* | | | |

**The following samples were analyzed in this batch:** HN2611835-007

# Technical Report

prepared for:

**JS Held (Hoboken, NJ)**
79 Hudson Street, Suite 701
Hoboken NJ, 07030
**Attention: Jake Twill**

Report Date: 07/14/2026
**Client Project ID: 70 Fernbook Street, Yonkers, NY**
Project (SDG) No.: 26G0071

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.alsglobal.com/usaenviro (203) 325-1371 FAX (203) 357-0166 nastr.clientservices@alsglobal.com

Report Date: 07/14/2026
Client Project ID: 70 Fernbook Street, Yonkers, NY
Project (SDG) No.: 26G0071

**JS Held (Hoboken, NJ)**
79 Hudson Street, Suite 701
Hoboken NJ, 07030
Attention: Jake Twill

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 01, 2026 and listed below. The project was identified as your project: **70 Fernbook Street, Yonkers, NY**.

The analyses were conducted utilizing appropriate EPA methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

Please contact Client Services at 203.325.1371 with any questions regarding this report or e-mail nastr.clientservices@alsglobal.com.

| Sample ID | Client Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| 26G0071-01 | MW-1 | Ground Water | 06/30/2026 | 07/01/2026 |
| 26G0071-02 | MW-5 | Ground Water | 06/30/2026 | 07/01/2026 |
| 26G0071-03 | MW-6 | Ground Water | 06/30/2026 | 07/01/2026 |
| 26G0071-04 | MW-7 | Ground Water | 06/30/2026 | 07/01/2026 |
| 26G0071-05 | MW-10D | Ground Water | 06/30/2026 | 07/01/2026 |
| 26G0071-06 | MW-9 | Ground Water | 06/30/2026 | 07/01/2026 |
| 26G0071-07 | MW-11 | Ground Water | 06/30/2026 | 07/01/2026 |
| 26G0071-08 | MW-12 | Ground Water | 06/30/2026 | 07/01/2026 |
| 26G0071-09 | MW-13 | Ground Water | 06/30/2026 | 07/01/2026 |
| 26G0071-10 | MW-19 | Ground Water | 06/30/2026 | 07/01/2026 |
| 26G0071-11 | DUP | Ground Water | 06/30/2026 | 07/01/2026 |
| 26G0071-12 | FB | Ground Water | 06/30/2026 | 07/01/2026 |

## General Notes for Project (SDG) No.: 26G0071

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. ALS' liability for the above data is limited to the dollar value paid to ALS for the referenced project.
4. This report shall not be reproduced without the written approval of ALS, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by ALS.
8. Analyses conducted at ALS, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at ALS, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

**Approved By:** 

Scott Hall
Laboratory Manager - Stratford

**Date:** 07/14/2026

# Field Chain-of-Custody Record

USA environmental

ALS' Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

2161 Whitesville Rd. Toms River, NJ 08755 USAEnviro.TomsRiver@alsglobal.com +1 (732) 905-5000

ALS BAR CODE

DO NOT WRITE IN THIS AREA

ALS Project Number: R6600711

Page 1 of 1

| Report To: | Invoice To: | YOUR Project Name / Number | Samples Collected From |
|---|---|---|---|
| Company: JS Held LLC | Company: | Yonkers, NY-23022270 | (NY) CT Other: (please specify) NJ PA |
| Address: 71 Hudson Street, Suite 701, Hoboken, NJ 07030 | Address: | PO Number: 23022270 | |
| Phone.: 201 876 9406 | Phone.: | | |
| Contact: Leah DeEgidio | Contact: | | |
| E-mail: LDeEgidio@JSHeld.com | E-mail: | | |

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by ALS are resolved.

Samples Collected by: (print AND sign your name)

**Matrix Codes**: S - soil/solid/sludge; GW - groundwater; DW - drinking water; SW - surface water; WW - wastewater; O - Oil; Other

**Preservative** (please list number of containers)

**Analyses Requested**

| Sample Identification | Date | Time | Matrix | Unpreserved | HCl (hydrochloric acid) | MeOH (methanol) | $HNO_3$ (nitric acid) | $H_2SO_4$ (sulfuric acid) | NaOH (sodium hydroxide) | $Na_2S_2O_3$ (sodium thio.) | Trizma | Ammonium Acetate | Other: | VOCs 15 | SVOCs 15 + 1,4 dioxane | PCBs | Pesticides | metals | PFAS | Grab or Comp. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 6.30.26 | 1502 | GW | 4 | 3 | | 1 | | | | | | | X | X | X | X | X | X | G/C |
| MW-5 | " | 1132 | GW | 4 | 3 | | 1 | | | | | | | X | X | X | X | X | X | |
| MW-6 | | 1237 | GW | 4 | 3 | | 1 | | | | | | | X | X | X | X | X | X | |
| MW-7 | | 1612 | GW | 7 | 3 | | 1 | | | | | | | X | X | X | X | X | X | |
| MW-10D | | 0957 | GW | 7 | 3 | | 1 | | | | | | | X | X | X | X | X | X | |
| MW-9 | | 1707 | GW | 7 | 3 | | 1 | | | | | | | X | X | X | X | X | X | |
| MW-11 | | 1127 | GW | 7 | 3 | | 1 | | | | | | | X | X | X | X | X | X | |
| MW-12 | | 1322 | GW | 7 | 3 | | 1 | | | | | | | X | X | X | X | X | X | |
| MW-13 | | 1342 | GW | 7 | 3 | | 1 | | | | | | | X | X | X | X | X | X | |
| MW-14 | | 1532 | GW | 7 | 3 | | 1 | | | | | | | X | X | X | X | X | X | |
| DUP | | | GW | 7 | 3 | | 1 | | | | | | | X | X | X | X | X | X | |
| FB | 6.30.26 | 1537 | GW | 7 | 3 | | 1 | | | | | | | X | X | X | X | X | X | |
| ~~FB~~ | 6.30.26 | | ~~WATER~~ | 6 | 3 | | 1 | | | | | | | X | X | X | X | X | X | |
| TB | LAB | LAB | WATER | | 4 | | | | | | | | | X | X | | | | | |

**Turn-Around Time**: RUSH - Next Day; RUSH - Two Day; RUSH - Three Day; RUSH - Four Day; RUSH - Five Day; Standard (Up to 10 Days) X; PFAS Standard 7-10 Day

**Report Type** (circle): QA Report; Summary (Results Only); NY ASP B Package; NJ Reduced; NJ DKQP; NJ Full; CT RCP

**EDD Type** (circle): EQuIS (standard); NYSDEC EQuIS; NJDEP SRP Haz Site; Standard Excel; CMDP; Other:

**Regulatory Comparative**: Compared to the following Regulation(s): (please fill in)

Field Filtered

Lab Filtered

**Comments:**

Samples iced/chilled at time of lab pickup? circle Yes or No

**Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N**

Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N

COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N

Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

| 1. Samples Relinquished by / Company | Date/Time | 1. Samples Received by / Company | Date/Time | 2. Samples Relinquished by / Company | Date/Time |
|---|---|---|---|---|---|
| JPFS | 7.1.26 | | 7/1/26 953 | | 7/1/26 1230 |
| 2. Samples Received by / Company | Date/Time | 3. Samples Relinquished by / Company | Date/Time | 3. Samples Received by / Company | Date/Time |
| | 7/1/26 1830PM | | 7/1/26 840 | | |
| 4. Samples Relinquished by / Company | Date/Time | 4. Samples Received by / Company | Date/Time | Samples Received in LAB by | Date/Time / Temperature |
| | | | | | 7/1/26 3.9 |

July 14, 2026

Stratford Reporting
ALS Environmental
120 Research Drive
Stratford, CT 06615

Re: **26G0071**

Date Received: **07/07/2026**
Work Order: **HN2611761**

Dear Stratford,

Enclosed are the results of the sample(s) submitted to our laboratory.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to contact me:
ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

**Chelsey Cook**
**/S/ CHELSEY COOK**

**Project Manager**

**Client:** ALS Environmental **Work Order:** HN2611761
**Project:** 26G0071 **Date Received:** 07-Jul-2026

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

### Sample Receipt

12 water, groundwater samples were received for analysis at ALS Environmental on 07-Jul-2026. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

### Organics

#### EPA 1633-W

**Run ID: 4290446**

•The Instrument Sensitivity Check (ISC) did not meet method acceptance criteria for the following analytes, results are to be considered estimated: HFPODA fails Ion Ratio (recovery within range in ISC and all CCVs/QC).
•The LCS2 recovery was above the upper control limit. All the sample results in the batch were non-detect. No qualification is necessary for this analyte: 10:2FTS, 3:3FTCA, PFHxDA, PFODA (All within range in LCS1).

**Run ID: 4284275**

•HN2611761-001: 13C2-FtS 6:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611761-001: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611761-005: Perfluorohexane sulfonic acid (PFHxS) - Ion transition ratios did not meet acceptance criteria due to matrix interference and/or the presence of branched isomers not represented in the quantitation standards.
•HN2611761-007: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611761-008: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611761-008: Perfluorononanoic acid (PFNA) - Ion transition ratios did not meet acceptance criteria due to matrix interference and/or the presence of branched isomers not represented in the quantitation standards.
•HN2611761-009: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611761-010: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611761-011: 13C2-FtS 6:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
•HN2611761-011: Perfluorononanoic acid (PFNA) - Ion transition ratios did not meet acceptance criteria due to matrix interference and/or the presence of branched isomers not represented in the quantitation standards.
•HN2611761-011: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.

**Run ID: 4290780**

•HN2611761-009: N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) - The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes:
•HN2611761-009: 13C2-PFHxDA - The Continuing Calibration Verification did not meet method acceptance criteria for the following analytes, results are to be considered estimated: High bias (surrogate recovery within range and corresponding analytes non-detect in sample)

**Run ID: 4285715**

•HN2611761-002: 16333_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.

**Run ID: 4287062**

•HN2611761-009: PFAS 1633_W: Sample extracted at 10x dilution due to out of range EIS/NIS.

**Run ID:**

•: - PFAS 1633_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.

**Run ID: 4278308**

•HN2611761-001: Initial Volume - 1633_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.
•HN2611761-001: Initial Volume - 1633_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.
•HN2611761-003: Initial Volume - 1633_W: Sample extracted at 2x dilution due to high levels of visible sediment and discoloration.
•HN2611761-004: Initial Volume - 1633_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.
•HN2611761-007: Initial Volume - 1633_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.
•HN2611761-007: Initial Volume - 1633_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.
•HN2611761-008: Initial Volume - 1633_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.
•HN2611761-008: Initial Volume - 1633_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.
•HN2611761-010: Initial Volume - 1633_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.
•HN2611761-010: Initial Volume - 1633_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.
•HN2611761-011: Initial Volume - 1633_W: Sample extracted at 5x dilution due to high levels of visible sediment and discoloration.

# SAMPLE DETECTION SUMMARY

This form includes only detections above the limits as presented.

For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 26G0071-01 | | | Lab ID: HN2611761-001 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 6.00 | J | 2.63 | 9.98 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 391 | | 4.76 | 9.98 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 2.96 | J | 2.11 | 9.98 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 4.77 | J | 2.51 | 9.98 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 10.8 | | 1.53 | 9.98 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 2.21 | J | 0.759 | 9.98 | ng/L | EPA 1633A |
| Perfluorooctane sulfonic acid (PFOS) | 14.0 | * | 5.29 | 9.98 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 5.55 | *J | 2.02 | 9.98 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 40.7 | | 2.07 | 9.98 | ng/L | EPA 1633A |

| CLIENT ID: 26G0071-02 | | | Lab ID: HN2611761-002 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 4.08 | J | 2.63 | 9.98 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 91.9 | | 4.76 | 9.98 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 5.08 | J | 2.11 | 9.98 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 3.57 | J | 2.52 | 9.98 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 13.9 | | 1.53 | 9.98 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 1.24 | J | 0.759 | 9.98 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 19.9 | * | 2.03 | 9.98 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 19.0 | | 2.07 | 9.98 | ng/L | EPA 1633A |

| CLIENT ID: 26G0071-03 | | | Lab ID: HN2611761-003 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 3.47 | J | 1.05 | 4.00 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 26.6 | | 1.91 | 4.00 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 6.21 | | 0.845 | 4.00 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 2.23 | J | 1.01 | 4.00 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 20.2 | | 0.613 | 4.00 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 0.692 | J | 0.304 | 4.00 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 15.0 | * | 0.811 | 4.00 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 29.3 | | 0.828 | 4.00 | ng/L | EPA 1633A |

| CLIENT ID: 26G0071-04 | | | Lab ID: HN2611761-004 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 5.25 | J | 2.63 | 9.98 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 37.2 | | 4.76 | 9.98 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 4.49 | J | 2.11 | 9.98 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 2.95 | J | 2.52 | 9.98 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 10.4 | | 1.53 | 9.98 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 1.52 | J | 0.759 | 9.98 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 20.6 | * | 2.03 | 9.98 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 13.4 | | 2.07 | 9.98 | ng/L | EPA 1633A |

# SAMPLE DETECTION SUMMARY

This form includes only detections above the limits as presented.

For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 26G0071-04 | Lab ID: HN2611761-004 | | | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |

| CLIENT ID: 26G0071-05 | Lab ID: HN2611761-005 | | | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutanoic acid (PFBA) | 8.00 | | 0.941 | 1.97 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 0.509 | J | 0.498 | 1.97 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 0.709 | J | 0.303 | 1.97 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 0.267 | J | 0.150 | 1.97 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 0.853 | J | 0.401 | 1.97 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 0.506 | J | 0.409 | 1.97 | ng/L | EPA 1633A |

| CLIENT ID: 26G0071-06 | Lab ID: HN2611761-006 | | | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutanoic acid (PFBA) | 3.01 | | 0.919 | 1.93 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 5.44 | | 0.296 | 1.93 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 0.476 | J | 0.399 | 1.93 | ng/L | EPA 1633A |

| CLIENT ID: 26G0071-07 | Lab ID: HN2611761-007 | | | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 4.25 | J | 2.64 | 10.0 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 200 | | 4.77 | 10.0 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 5.19 | J | 2.12 | 10.0 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 2.71 | J | 2.52 | 10.0 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 16.8 | | 1.54 | 10.0 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 0.961 | J | 0.761 | 10.0 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 15.6 | * | 2.03 | 10.0 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 25.3 | | 2.07 | 10.0 | ng/L | EPA 1633A |

| CLIENT ID: 26G0071-08 | Lab ID: HN2611761-008 | | | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 4.49 | J | 2.64 | 10.0 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 242 | | 4.77 | 10.0 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 4.11 | J | 2.12 | 10.0 | ng/L | EPA 1633A |
| Perfluorohexane sulfonic acid (PFHxS) | 3.19 | J | 2.52 | 10.0 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 9.85 | J | 1.54 | 10.0 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 0.982 | J | 0.761 | 10.0 | ng/L | EPA 1633A |
| Perfluorooctane sulfonic acid (PFOS) | 5.95 | *J | 5.31 | 10.0 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 14.9 | * | 2.03 | 10.0 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 23.5 | | 2.07 | 10.0 | ng/L | EPA 1633A |

| CLIENT ID: 26G0071-09 | Lab ID: HN2611761-009 | | | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 1.11 | J | 0.409 | 2.02 | ng/L | EPA 1633A |
| Perfluorobutane sulfonic acid (PFBS) | 2.46 | | 0.532 | 2.02 | ng/L | EPA 1633A |

# SAMPLE DETECTION SUMMARY

This form includes only detections above the limits as presented.

For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 26G0071-09 | | | Lab ID: HN2611761-009 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutanoic acid (PFBA) | 317 | | 9.54 | 20.0 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 1.12 | J | 0.427 | 2.02 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 3.32 | | 0.310 | 2.02 | ng/L | EPA 1633A |

| CLIENT ID: 26G0071-10 | | | Lab ID: HN2611761-010 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutanoic acid (PFBA) | 164 | | 4.76 | 9.99 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 12.0 | | 2.07 | 9.99 | ng/L | EPA 1633A |

| CLIENT ID: 26G0071-11 | | | Lab ID: HN2611761-011 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutane sulfonic acid (PFBS) | 6.78 | J | 2.63 | 9.98 | ng/L | EPA 1633A |
| Perfluorobutanoic acid (PFBA) | 418 | | 4.75 | 9.98 | ng/L | EPA 1633A |
| Perfluoroheptanoic acid (PFHpA) | 3.59 | J | 2.11 | 9.98 | ng/L | EPA 1633A |
| Perfluorohexanoic acid (PFHxA) | 10.9 | | 1.53 | 9.98 | ng/L | EPA 1633A |
| Perfluorononanoic acid (PFNA) | 1.94 | J | 0.758 | 9.98 | ng/L | EPA 1633A |
| Perfluorooctane sulfonic acid (PFOS) | 14.1 | * | 5.29 | 9.98 | ng/L | EPA 1633A |
| Perfluorooctanoic acid (PFOA) | 5.39 | *J | 2.02 | 9.98 | ng/L | EPA 1633A |
| Perfluoropentanoic acid (PFPeA) | 34.6 | | 2.07 | 9.98 | ng/L | EPA 1633A |

| CLIENT ID: 26G0071-12 | | | Lab ID: HN2611761-012 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Perfluorobutanoic acid (PFBA) | 1.06 | J | 0.911 | 1.91 | ng/L | EPA 1633A |

# SAMPLE SUMMARY

**Client:** ALS Environmental
**Project:** 26G0071
**Workorder:** HN2611761

| Laboratory Sample ID | Client Sample ID | Sample Matrix | Collection Date | Date Received |
|---|---|---|---|---|
| HN2611761-001 | 26G0071-01 | GROUNDWATER | 06/30/26 15:02 | 07/07/26 09:30 |
| HN2611761-002 | 26G0071-02 | GROUNDWATER | 06/30/26 11:32 | 07/07/26 09:30 |
| HN2611761-003 | 26G0071-03 | GROUNDWATER | 06/30/26 12:37 | 07/07/26 09:30 |
| HN2611761-004 | 26G0071-04 | GROUNDWATER | 06/30/26 10:12 | 07/07/26 09:30 |
| HN2611761-005 | 26G0071-05 | GROUNDWATER | 06/30/26 09:57 | 07/07/26 09:30 |
| HN2611761-006 | 26G0071-06 | GROUNDWATER | 06/30/26 17:07 | 07/07/26 09:30 |
| HN2611761-007 | 26G0071-07 | GROUNDWATER | 06/30/26 11:27 | 07/07/26 09:30 |
| HN2611761-008 | 26G0071-08 | GROUNDWATER | 06/30/26 13:22 | 07/07/26 09:30 |
| HN2611761-009 | 26G0071-09 | GROUNDWATER | 06/30/26 13:42 | 07/07/26 09:30 |
| HN2611761-010 | 26G0071-10 | GROUNDWATER | 06/30/26 15:32 | 07/07/26 09:30 |
| HN2611761-011 | 26G0071-11 | GROUNDWATER | 06/30/26 00:00 | 07/07/26 09:30 |
| HN2611761-012 | 26G0071-12 | WATER | 06/30/26 15:32 | 07/07/26 09:30 |

7/1/2026

Environmental Division Holland

Work Order Reference HN2611761

SU :chase Order and Chain-of-Custody

26G0071

*This information is being sent to inform parameters that we cannot perform in-laboratory directly. Please contact you*

*act certain samples to another licensed laboratory for specific abcontracted are detailed below. Do not contact the subcontract*

Telephone : +1 616 399 6070

**E-mail lab reports to:** USAEnvir

**Mail Hard Copies to:** The addres

**confirmations to:** NASTR.Subcontract@alsglobal.com

**SENDING LABORATORY:**

ALS Environmental - Stratford
120 Research Dr
Stratford, CT 06615
Phone: 203.325.1371

IR9 4.6c

**RECEIVING LABORATORY:**

ALS-Holland
3352 128th Avenue
Holland, MI 49424
Phone :(616) 399-6070

**Sample ID: MW-1** **ALS Ref: 26G0071-01**

**Matrix:** Ground Water **Date Sampled :** 06/30/2026 15:02

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/09/2026 19:00 | 07/28/2026 15:02 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: MW-5** **ALS Ref: 26G0071-02**

**Matrix:** Ground Water **Date Sampled :** 06/30/2026 11:32

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/09/2026 19:00 | 07/28/2026 11:32 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Purchase Order No.:** 26G0071

**Deliverables required:** NY ASP B Package

**EDDs required:** NYSDEC

Samples from State of: NY
Collected by: Client

**Data Pkg DUE:**

**Special Info:**

**Reporting level:** MDL/LOD

**Chain-of-Custody Information**

| Released By ALS-Stratford Sample Control | Date | Received By | Date |
|---|---|---|---|
| FedEx | 717126 0930 | B. Hargwarel | 717126 0930 |
| **Received By** | **Date** | **Received in Subcontract Lab By** | **Date** |
| Logged BH 717126 B56 | | | |

## SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

**Project No.:** **26G0071**

***This information is being sent to inform you that ALS-Stratford intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific paramters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact your project manager for further information.***

**E-mail lab reports to:** USAEnviro.Stratford@alsglobal.com **Sample confirmations to:** NASTR.Subcontract@alsglobal.com
**Mail Hard Copies to:** The address below

**Sample ID: MW-6** **ALS Ref: 26G0071-03**

**Matrix:** Ground Water **Date Sampled :** 06/30/2026 12:37

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/09/2026 19:00 | 07/28/2026 12:37 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: MW-7** **ALS Ref: 26G0071-04**

**Matrix:** Ground Water **Date Sampled :** 06/30/2026 10:12

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/09/2026 19:00 | 07/28/2026 10:12 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: MW-10D** **ALS Ref: 26G0071-05**

**Matrix:** Ground Water **Date Sampled :** 06/30/2026 09:57

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/09/2026 19:00 | 07/28/2026 09:57 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Purchase Order No.:** **26G0071**
**Deliverables required:** **NY ASP B Package**
**EDDs required:** **NYSDEC**

Samples from State of: **NY**
Collected by: Client

**Data Pkg DUE:**
**Special Info:**
**Reporting level:** **MDL/LOD**

**Chain-of-Custody Information**

*Carolina Fernandez* 7/1/2026

| Released By ALS-Stratford Sample Control | Date | Received By | Date |
|---|---|---|---|
| FedEx | 717126 0930 | B. Hayward | 717126 09.30 |

| Received By | Date | Received in Subcontract Lab By | Date |
|---|---|---|---|

7/1/2026

## SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

**Project No.:** **26G0071**

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**E-mail lab reports to:** USAEnviro.Stratford@alsglobal.com **Sample confirmations to:** NASTR.Subcontract@alsglobal.com
**Mail Hard Copies to:** The address below

**Sample ID: MW-9** **ALS Ref: 26G0071-06**

**Matrix:** Ground Water **Date Sampled :** 06/30/2026 17:07

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/09/2026 19:00 | 07/28/2026 17:07 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: MW-11** **ALS Ref: 26G0071-07**

**Matrix:** Ground Water **Date Sampled :** 06/30/2026 11:27

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/09/2026 19:00 | 07/28/2026 11:27 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: MW-12** **ALS Ref: 26G0071-08**

**Matrix:** Ground Water **Date Sampled :** 06/30/2026 13:22

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/09/2026 19:00 | 07/28/2026 13:22 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Purchase Order No.:** **26G0071**
**Deliverables required:** **NY ASP B Package**
**EDDs required:** **NYSDEC**

Samples from State of: **NY**
Collected by: Client

**Data Pkg DUE:**
**Special Info:**
**Reporting level:** **MDL/LOD**

**Chain-of-Custody Information**

| Released By ALS-Stratford Sample Control | Date | Received By | Date |
|---|---|---|---|
| *Carolina Fernandez* 7/1/2026 | | | |
| FedEx | 717126 0930 | B. Haeyaert | 717126 0930 |

| Received By | Date | Received in Subcontract Lab By | Date |
|---|---|---|---|
| | | | |

7/1/2026

## SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

**Project No.:** **26G0071**

***This information is being sent to inform you that ALS-Stratford intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific paramters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact your project manager for further information.***

**E-mail lab reports to:** USAEnviro.Stratford@alsglobal.com **Sample confirmations to:** NASTR.Subcontract@alsglobal.com
**Mail Hard Copies to:** The address below

**Sample ID: MW-13** **ALS Ref: 26G0071-09**

**Matrix:** Ground Water **Date Sampled :** 06/30/2026 13:42

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/09/2026 19:00 | 07/28/2026 13:42 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: MW-19** **ALS Ref: 26G0071-10**

**Matrix:** Ground Water **Date Sampled :** 06/30/2026 15:32

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/09/2026 19:00 | 07/28/2026 15:32 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Sample ID: DUP** **ALS Ref: 26G0071-11**

**Matrix:** Ground Water **Date Sampled :** 06/30/2026 00:00

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/09/2026 19:00 | 07/28/2026 00:00 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Purchase Order No.:** **26G0071**
**Deliverables required:** **NY ASP B Package**
**EDDs required:** **NYSDEC**

Samples from State of: **NY**
Collected by: Client

**Data Pkg DUE:**
**Special Info:**
**Reporting level:** **MDL/LOD**

**Chain-of-Custody Information**

| Released By ALS-Stratford Sample Control | Date | Received By | Date |
|---|---|---|---|
| *Carolina Fernandez* 7/1/2026 | | | |
| Fedex | 717126 0930 | B. Hayward | 717126 0930 |
| **Received By** | **Date** | **Received in Subcontract Lab By** | **Date** |

## SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

**Project No.:** **26G0071**

***This information is being sent to inform you that ALS-Stratford intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific paramters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact your project manager for further information.***

**E-mail lab reports to:** USAEnviro.Stratford@alsglobal.com **Sample confirmations to:** NASTR.Subcontract@alsglobal.com
**Mail Hard Copies to:** The address below

**Sample ID: FB** **ALS Ref: 26G0071-12**

**Matrix:** Ground Water **Date Sampled :** 06/30/2026 15:32

| Analysis Needed | Date Due | Holding Time Expires | Comments |
|---|---|---|---|
| Q_P_PFAS, 1633a Target List | 07/09/2026 19:00 | 07/28/2026 15:32 | |

*Containers Supplied:*

09_500 mL Plastic PFAS Free (A) 09_500 mL Plastic PFAS Free (B) 09_500 mL Plastic PFAS Free (C)

**Purchase Order No.:** 26G0071
**Deliverables required:** NY ASP B Package
**EDDs required:** NYSDEC

Samples from State of: NY
Collected by: Client

**Data Pkg DUE:**
**Special Info:**
**Reporting level:** MDL/LOD

**Chain-of-Custody Information**

| Released By ALS-Stratford Sample Control | Date | Received By | Date |
|---|---|---|---|
| *Carolina Fernandez* | 7/1/2026 | | |
| FedEx | 7/7/26 0930 | B. Hayunl | 7/7/26 0930 |

| Received By | Date | Received in Subcontract Lab By | Date |
|---|---|---|---|

ALS Holland
3352 128th Ave., Holland MI 49424

# ALS Holland Sample Receiving Checklist

| | |
|---|---|
| Received by: | BH |
| Date/Time: | 7/7/26 0930 |
| Carrier Name: | FedEx |
| Shipping container/cooler in good condition? | (Yes) / No / Not Present |
| Custody seals intact on shipping container/cooler? | (Yes) / No / Not Present |
| Custody seals intact on sample bottles? | Yes / No / ~~Not Present~~ |
| Chain of Custody present? | (Yes) / No |
| COC signed when relinquished and received? | (Yes) / No |
| COC agrees with sample labels? | (Yes) / No |
| Samples in proper container/bottle? | (Yes) / No |
| Sample containers intact? | (Yes) / No |
| Sufficient sample volume for indicated test? | (Yes) / No |
| All samples received within holding time? | (Yes) / No |
| Container/Temp Blank temperature in compliance? | (Yes) / No |
| Temperature(s) (°C): | 4.6/4.6c |
| Thermometer(s): | 129 |
| Sample(s) received on ice? | (Yes) / No |
| Matrix/Matrices: | water |
| Cooler(s)/Kit(s): | 1 |
| Date/Time sample(s) sent to storage: | 7/7/26 1356 |
| Water – VOA vials have zero headspace? | Yes / No / ~~No Vials~~ |
| Water – pH acceptable upon receipt? | Yes / No / (N/A) |

pH strip lot #: _____ < 2 _____ > 12 _____ Other _____

| | |
|---|---|
| pH adjusted (note adjustments below)? | Yes / No / (N/A) |
| pH adjusted by: | _____ |

Login Notes:

HN-SHT-160-R01, Sample Receipt Checklist

## REPORT QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| * | Value exceeds Regulatory Limit (if MCL displayed) |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Method criteria |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| NC | Not Calculated |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| V | The Continuing Calibration Verification was outside of control criteria |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

## LABORATORY CERTIFICATIONS[1]

| Agency | Type | ID | Issued | Expires |
|---|---|---|---|---|
| Colorado | UST | | 07/01/2025 | 06/30/2026 |
| Connecticut | Drinking Water (Secondary) | PH-0155 | 12/10/2024 | 12/31/2026 |
| Florida | NELAP (Primary) | E871106 | 07/01/2025 | 06/30/2026 |
| Illinois | NELAP (Secondary) | 200076 | 12/08/2025 | 12/31/2026 |
| Indiana | Drinking Water (Secondary) | C-MI-08 | 12/31/2024 | 09/04/2026 |
| Iowa | State Specific | 403 | 09/01/2025 | 09/01/2027 |
| Kansas | NELAP (Secondary) | E-10411 | 08/01/2025 | 07/31/2026 |
| Kentucky | Waste Water | KY98004 | 1/1/2026 | 12/31/2026 |
| Kentucky | UST | 120474 | 07/07/2025 | 06/30/2026 |
| Michigan | Drinking Water (Primary) | 0022 | 12/19/2023 | 09/04/2026 |
| Minnesota | NELAP (Secondary) | 026-999-449 | 12/10/2025 | 12/31/2026 |
| Missouri | Drinking Water (Secondary) | 01262 | 11/14/2024 | 12/30/2027 |
| New Jersey | NELAP (Secondary) | MI015 | 07/01/2025 | 6/30/2026 |
| New York | NELAP (Secondary) | 12128 | 04/01/2025 | 04/01/2026 |
| North Dakota | State Specific | R-192 | 11/18/2024 | 06/30/2025 |
| Ohio | Drinking Water (Secondary) | 87783 | 06/26/2025 | 6/30/2026 |
| Pennsylvania | NELAP (Secondary) | 68-03827 | 11/25/2025 | 07/31/2026 |
| Texas | NELAP (Secondary) | T104704494 | 02/01/2026 | 01/31/2027 |
| USDA | Domestic CA | Soil-MI-007 | 02/06/2025 | 08/07/2026 |
| USDA | Soil Import | 525-23-62-77572R1 | 01/28/2026 | 03/03/2029 |
| West Virginia | State Specific | 355 | 06/07/2025 | 08/31/2026 |
| Wisconsin | State Specific | 399084510 | 08/08/2025 | 08/31/2026 |

1 – Scope available upon request

# ANALYST SUMMARY

**Client:** ALS Environmental
**Project:** 26G0071
**Work Order:** HN2611761

**Sample Name:** 26G0071-01
**Laboratory Code:** HN2611761-001
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/30/26
**Date Received:** 07/07/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 001-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |

**Sample Name:** 26G0071-02
**Laboratory Code:** HN2611761-002
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/30/26
**Date Received:** 07/07/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 002-AA | 2703538 | Mara Norton | 4290446 | Emily Schaaf |

**Sample Name:** 26G0071-03
**Laboratory Code:** HN2611761-003
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/30/26
**Date Received:** 07/07/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 003-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |

**Sample Name:** 26G0071-04
**Laboratory Code:** HN2611761-004
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/30/26
**Date Received:** 07/07/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 004-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |

# ANALYST SUMMARY

**Client:** ALS Environmental
**Project:** 26G0071
**Work Order:** HN2611761

**Sample Name:** 26G0071-05
**Laboratory Code:** HN2611761-005
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/30/26
**Date Received:** 07/07/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 005-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |

**Sample Name:** 26G0071-06
**Laboratory Code:** HN2611761-006
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/30/26
**Date Received:** 07/07/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 006-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |

**Sample Name:** 26G0071-07
**Laboratory Code:** HN2611761-007
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/30/26
**Date Received:** 07/07/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 007-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |

**Sample Name:** 26G0071-08
**Laboratory Code:** HN2611761-008
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/30/26
**Date Received:** 07/07/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 008-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |

# ANALYST SUMMARY

**Client:** ALS Environmental
**Project:** 26G0071
**Work Order:** HN2611761

**Sample Name:** 26G0071-09
**Laboratory Code:** HN2611761-009
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/30/26
**Date Received:** 07/07/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 009-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |
| EPA 1633A | EPA 1633A | 009-AA | 2704452 | Phoebe | 4290780 | Morgan Morehouse |

**Sample Name:** 26G0071-10
**Laboratory Code:** HN2611761-010
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/30/26
**Date Received:** 07/07/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 010-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |

**Sample Name:** 26G0071-11
**Laboratory Code:** HN2611761-011
**Sample Matrix:** GROUNDWATER
**Date Collected:** 06/30/26
**Date Received:** 07/07/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 011-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |

**Sample Name:** 26G0071-12
**Laboratory Code:** HN2611761-012
**Sample Matrix:** WATER
**Date Collected:** 06/30/26
**Date Received:** 07/07/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By |
|---|---|---|---|---|---|---|
| EPA 1633A | EPA 1633A | 012-AA | 2698875 | Jacob Calkins | 4284275 | Emily Schaaf |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 15:02 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-01** **Lab ID: HN2611761-001**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 1.41 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 3.56 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 6.56 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 1.19 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 2.54 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 87.2 | 499 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 76.5 | 499 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 138 | 499 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 1.41 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 1.81 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 4.38 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 2.37 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 2.63 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 2.40 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 3.44 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 3.27 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 15:02 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-01** **Lab ID: HN2611761-001**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 2.82 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 7.72 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 1.81 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 2.02 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 3.10 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 3.95 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **6.00** | J | ng/L | 2.63 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **391** | | ng/L | 4.76 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 1.78 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 2.98 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 1.91 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 3.22 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 4.16 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 3.00 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **2.96** | J | ng/L | 2.11 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 2.54 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **4.77** | J | ng/L | 2.51 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 6.84 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **10.8** | | ng/L | 1.53 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 2.51 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **2.21** | J | ng/L | 0.759 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 15:02 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-01** **Lab ID: HN2611761-001**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 2.16 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 3.60 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | **14.0** | * | ng/L | 5.29 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **5.55** | *J | ng/L | 2.02 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 1.78 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **40.7** | | ng/L | 2.07 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 1.68 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 2.19 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 1.08 | 9.98 | 1 | 07/10/26 00:11 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***104*** | | *%REC* | | *10-200* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***383*** | *S* | *%REC* | | *40-200* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***314*** | *S* | *%REC* | | *40-200* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***192*** | | *%REC* | | *40-300* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***77.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***58.2*** | | *%REC* | | *10-300* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***55.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***67.6*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***91.3*** | | *%REC* | | *40-135* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***96.4*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***103*** | | *%REC* | | *5-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***118*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***107*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***78.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***104*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***87.6*** | | *%REC* | | *30-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***91.4*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***109*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***92.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 15:02 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-01** **Lab ID: HN2611761-001**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***99.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***54.0*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***123*** | | *%REC* | | *40-170* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***50.1*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***116*** | | *%REC* | | *25-135* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***51.2*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***47.8*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:11* | *07/09/26 15:50* |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 11:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-02** **Lab ID: HN2611761-002**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 1.41 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 3.56 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | SU | ng/L | 6.56 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 1.19 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 2.54 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 87.2 | 499 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | SU | ng/L | 76.5 | 499 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 138 | 499 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 1.41 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 1.81 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 4.38 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 2.37 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 2.63 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 2.40 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 3.44 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 3.27 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 11:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-02** **Lab ID: HN2611761-002**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 2.82 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 7.72 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 1.81 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 2.03 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 3.10 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 3.95 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **4.08** | J | ng/L | 2.63 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **91.9** | | ng/L | 4.76 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 1.78 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 2.98 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 1.91 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 3.22 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 4.16 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 3.00 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **5.08** | J | ng/L | 2.11 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | SU | ng/L | 2.54 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **3.57** | J | ng/L | 2.52 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 6.84 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **13.9** | | ng/L | 1.53 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 2.52 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **1.24** | J | ng/L | 0.759 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 11:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-02** **Lab ID: HN2611761-002**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | SU | ng/L | 2.17 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 3.60 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | *U | ng/L | 5.29 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **19.9** | * | ng/L | 2.03 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 1.78 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **19.0** | | ng/L | 2.07 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 1.68 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 2.19 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 1.08 | 9.98 | 1 | 07/12/26 05:22 | 07/11/26 15:00 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***73.1*** | | *%REC* | | *10-200* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***166*** | | *%REC* | | *40-200* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***116*** | | *%REC* | | *40-200* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***95.8*** | | *%REC* | | *40-300* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***77.2*** | | *%REC* | | *10-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***62.1*** | | *%REC* | | *10-300* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***65.6*** | | *%REC* | | *10-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***89.2*** | | *%REC* | | *40-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***89.8*** | | *%REC* | | *40-135* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***88.0*** | | *%REC* | | *40-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***102*** | | *%REC* | | *5-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***98.3*** | | *%REC* | | *40-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***101*** | | *%REC* | | *40-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***82.1*** | | *%REC* | | *40-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***101*** | | *%REC* | | *40-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***81.6*** | | *%REC* | | *30-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***75.3*** | | *%REC* | | *40-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***102*** | | *%REC* | | *40-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***84.8*** | | *%REC* | | *40-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 11:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-02** **Lab ID: HN2611761-002**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***94.2*** | | *%REC* | | *40-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***57.8*** | | *%REC* | | *10-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***87.0*** | | *%REC* | | *40-170* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***57.7*** | | *%REC* | | *10-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***76.1*** | | *%REC* | | *25-135* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***57.8*** | | *%REC* | | *10-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***58.7*** | | *%REC* | | *10-130* | *1* | *07/12/26 05:22* | *07/11/26 15:00* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 12:37 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-03** **Lab ID: HN2611761-003**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 0.566 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 1.43 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 2.63 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 0.475 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 1.02 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 34.9 | 200 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 30.7 | 200 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 55.1 | 200 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 0.566 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 0.726 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 1.76 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 0.950 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 1.05 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 0.960 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 1.38 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 1.31 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 12:37 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-03** **Lab ID: HN2611761-003**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 1.13 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 3.09 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 0.726 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 0.811 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 1.24 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 1.58 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **3.47** | J | ng/L | 1.05 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **26.6** | | ng/L | 1.91 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 0.713 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 1.20 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 0.764 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 1.29 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 1.67 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 1.20 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **6.21** | | ng/L | 0.845 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 1.02 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **2.23** | J | ng/L | 1.01 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 2.74 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **20.2** | | ng/L | 0.613 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 1.01 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **0.692** | J | ng/L | 0.304 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 12:37 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-03** **Lab ID: HN2611761-003**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 0.867 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 1.44 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | U | ng/L | 2.12 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **15.0** | * | ng/L | 0.811 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 0.713 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **29.3** | | ng/L | 0.828 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 0.672 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 0.878 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 0.434 | 4.00 | 1 | 07/10/26 00:31 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***81.5*** | | *%REC* | | *10-200* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***192*** | | *%REC* | | *40-200* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***105*** | | *%REC* | | *40-200* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***96.9*** | | *%REC* | | *40-300* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***89.8*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***71.3*** | | *%REC* | | *10-300* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***71.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***83.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***93.1*** | | *%REC* | | *40-135* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***90.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***94.9*** | | *%REC* | | *5-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***92.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***98.6*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***87.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***94.1*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***86.3*** | | *%REC* | | *30-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***74.5*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***97.5*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***86.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 12:37 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-03** **Lab ID: HN2611761-003**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***96.3*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***57.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***85.2*** | | *%REC* | | *40-170* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***60.1*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***81.5*** | | *%REC* | | *25-135* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***63.8*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***64.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:31* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 10:12 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-04** **Lab ID: HN2611761-004**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 1.41 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 3.56 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 6.56 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 1.19 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 2.54 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 87.2 | 499 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 76.5 | 499 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 138 | 499 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 1.41 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 1.81 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 4.38 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 2.37 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 2.63 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 2.40 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 3.44 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 3.27 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 10:12 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-04** **Lab ID: HN2611761-004**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 2.82 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 7.72 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 1.81 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 2.03 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 3.10 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 3.95 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **5.25** | J | ng/L | 2.63 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **37.2** | | ng/L | 4.76 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 1.78 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 2.98 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 1.91 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 3.22 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 4.16 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 3.00 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **4.49** | J | ng/L | 2.11 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 2.54 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **2.95** | J | ng/L | 2.52 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 6.84 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **10.4** | | ng/L | 1.53 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 2.52 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **1.52** | J | ng/L | 0.759 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 10:12 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-04** **Lab ID: HN2611761-004**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 2.17 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 3.60 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | *U | ng/L | 5.29 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **20.6** | * | ng/L | 2.03 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 1.78 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **13.4** | | ng/L | 2.07 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 1.68 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 2.19 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 1.08 | 9.98 | 1 | 07/10/26 00:51 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***83.4*** | | *%REC* | | *10-200* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***139*** | | *%REC* | | *40-200* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***99.0*** | | *%REC* | | *40-200* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***95.2*** | | *%REC* | | *40-300* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***89.3*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***74.0*** | | *%REC* | | *10-300* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***73.0*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***89.7*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***94.9*** | | *%REC* | | *40-135* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***90.5*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***100*** | | *%REC* | | *5-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***97.5*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***101*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***89.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***99.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***87.8*** | | *%REC* | | *30-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***83.6*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***104*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***90.1*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 10:12 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-04** **Lab ID: HN2611761-004**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***98.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***63.1*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***91.1*** | | *%REC* | | *40-170* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***63.4*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***84.9*** | | *%REC* | | *25-135* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***65.9*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***67.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 00:51* | *07/09/26 15:50* |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 09:57 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-05** **Lab ID: HN2611761-005**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 0.279 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 0.704 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 1.30 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 0.235 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 0.502 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 17.2 | 98.7 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 15.1 | 98.7 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 27.2 | 98.7 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 0.279 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 0.358 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 0.867 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 0.469 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 0.520 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 0.474 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 0.680 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 0.646 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 09:57 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-05** **Lab ID: HN2611761-005**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 0.558 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 1.53 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 0.358 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 0.401 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 0.613 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 0.781 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | ND | U | ng/L | 0.520 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **8.00** | | ng/L | 0.941 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 0.352 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 0.590 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 0.377 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 0.638 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 0.823 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 0.594 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | ND | U | ng/L | 0.417 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 0.502 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **0.509** | J | ng/L | 0.498 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 1.35 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **0.709** | J | ng/L | 0.303 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 0.498 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **0.267** | J | ng/L | 0.150 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 09:57 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-05** **Lab ID: HN2611761-005**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 0.428 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 0.713 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | U | ng/L | 1.05 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **0.853** | J | ng/L | 0.401 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 0.352 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **0.506** | J | ng/L | 0.409 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 0.332 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 0.434 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 0.214 | 1.97 | 1 | 07/10/26 01:11 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***74.1*** | | *%REC* | | *10-200* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***188*** | | *%REC* | | *40-200* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***115*** | | *%REC* | | *40-200* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***106*** | | *%REC* | | *40-300* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***83.0*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***72.0*** | | *%REC* | | *10-300* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***66.5*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***96.3*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***102*** | | *%REC* | | *40-135* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***95.7*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***106*** | | *%REC* | | *5-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***106*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***109*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***98.2*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***98.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***85.4*** | | *%REC* | | *30-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***80.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***108*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***92.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 09:57 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-05** **Lab ID: HN2611761-005**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***102*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***63.8*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***79.1*** | | *%REC* | | *40-170* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***59.1*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***99.3*** | | *%REC* | | *25-135* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***59.4*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***59.5*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:11* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 17:07 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-06** **Lab ID: HN2611761-006**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 0.273 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 0.687 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 1.27 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 0.229 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 0.490 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 16.8 | 96.4 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 14.8 | 96.4 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 26.6 | 96.4 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 0.273 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 0.350 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 0.847 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 0.458 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 0.508 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 0.463 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 0.664 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 0.631 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 17:07 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-06** **Lab ID: HN2611761-006**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 0.545 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 1.49 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 0.350 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 0.391 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 0.599 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 0.762 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | ND | U | ng/L | 0.508 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **3.01** | | ng/L | 0.919 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 0.343 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 0.576 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 0.368 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 0.623 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 0.804 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 0.580 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | ND | U | ng/L | 0.407 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 0.490 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | ND | U | ng/L | 0.486 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 1.32 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **5.44** | | ng/L | 0.296 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 0.486 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | ND | U | ng/L | 0.147 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 17:07 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-06** **Lab ID: HN2611761-006**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 0.418 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 0.696 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | U | ng/L | 1.02 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | ND | U | ng/L | 0.391 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 0.343 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **0.476** | J | ng/L | 0.399 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 0.324 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 0.423 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 0.209 | 1.93 | 1 | 07/10/26 01:31 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***84.6*** | | *%REC* | | *10-200* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***193*** | | *%REC* | | *40-200* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***123*** | | *%REC* | | *40-200* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***109*** | | *%REC* | | *40-300* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***95.1*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***75.8*** | | *%REC* | | *10-300* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***72.2*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***89.4*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***104*** | | *%REC* | | *40-135* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***101*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***107*** | | *%REC* | | *5-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***100*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***105*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***93.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***104*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***92.3*** | | *%REC* | | *30-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***87.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***110*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***95.7*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 17:07 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-06** **Lab ID: HN2611761-006**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***103*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***74.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***96.6*** | | *%REC* | | *40-170* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***72.4*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***91.0*** | | *%REC* | | *25-135* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***72.3*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***71.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:31* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 11:27 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-07** **Lab ID: HN2611761-007**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 1.42 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 3.57 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 6.58 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 1.19 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 2.55 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 87.4 | 501 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 76.7 | 501 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 138 | 501 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 1.42 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 1.82 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 4.40 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 2.38 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 2.64 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 2.40 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 3.45 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 3.27 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 11:27 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-07** **Lab ID: HN2611761-007**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 2.83 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 7.74 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 1.82 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 2.03 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 3.11 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 3.96 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **4.25** | J | ng/L | 2.64 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **200** | | ng/L | 4.77 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 1.78 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 2.99 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 1.91 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 3.23 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 4.17 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 3.01 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **5.19** | J | ng/L | 2.12 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 2.55 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **2.71** | J | ng/L | 2.52 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 6.86 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **16.8** | | ng/L | 1.54 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 2.52 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **0.961** | J | ng/L | 0.761 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 11:27 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-07** **Lab ID: HN2611761-007**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 2.17 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 3.61 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | *U | ng/L | 5.31 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **15.6** | * | ng/L | 2.03 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 1.78 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **25.3** | | ng/L | 2.07 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 1.68 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 2.20 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 1.09 | 10.0 | 1 | 07/10/26 01:51 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***67.9*** | | *%REC* | | *10-200* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***236*** | *S* | *%REC* | | *40-200* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***121*** | | *%REC* | | *40-200* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***99.4*** | | *%REC* | | *40-300* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***81.0*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***61.1*** | | *%REC* | | *10-300* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***57.9*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***85.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***97.8*** | | *%REC* | | *40-135* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***94.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***103*** | | *%REC* | | *5-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***101*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***108*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***93.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***99.4*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***85.1*** | | *%REC* | | *30-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***84.3*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***104*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***93.6*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 11:27 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-07** **Lab ID: HN2611761-007**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***100*** | | *%REC* | | *40-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***60.4*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***86.0*** | | *%REC* | | *40-170* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***56.2*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***79.4*** | | *%REC* | | *25-135* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***58.6*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***58.6*** | | *%REC* | | *10-130* | *1* | *07/10/26 01:51* | *07/09/26 15:50* |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 13:22 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-08** **Lab ID: HN2611761-008**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 1.42 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 3.57 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 6.58 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 1.19 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 2.55 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 87.5 | 501 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 76.8 | 501 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 138 | 501 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 1.42 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 1.82 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 4.40 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 2.38 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 2.64 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 2.40 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 3.45 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 3.28 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 13:22 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-08** **Lab ID: HN2611761-008**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 2.83 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 7.75 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 1.82 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 2.03 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 3.11 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 3.96 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **4.49** | J | ng/L | 2.64 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **242** | | ng/L | 4.77 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 1.78 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 2.99 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 1.91 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 3.24 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 4.18 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 3.01 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **4.11** | J | ng/L | 2.12 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 2.55 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | **3.19** | J | ng/L | 2.52 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 6.86 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **9.85** | J | ng/L | 1.54 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 2.52 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **0.982** | J | ng/L | 0.761 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 13:22 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-08** **Lab ID: HN2611761-008**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 2.17 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 3.62 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | **5.95** | *J | ng/L | 5.31 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **14.9** | * | ng/L | 2.03 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 1.78 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **23.5** | | ng/L | 2.07 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 1.68 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 2.20 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 1.09 | 10.0 | 1 | 07/10/26 02:11 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***76.3*** | | *%REC* | | *10-200* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***306*** | *S* | *%REC* | | *40-200* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***152*** | | *%REC* | | *40-200* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***106*** | | *%REC* | | *40-300* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***83.5*** | | *%REC* | | *10-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***64.0*** | | *%REC* | | *10-300* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***67.1*** | | *%REC* | | *10-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***78.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***95.8*** | | *%REC* | | *40-135* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***95.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***105*** | | *%REC* | | *5-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***102*** | | *%REC* | | *40-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***105*** | | *%REC* | | *40-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***85.2*** | | *%REC* | | *40-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***103*** | | *%REC* | | *40-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***88.8*** | | *%REC* | | *30-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***80.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***108*** | | *%REC* | | *40-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***94.3*** | | *%REC* | | *40-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 13:22 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-08** **Lab ID: HN2611761-008**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***103*** | | *%REC* | | *40-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***59.0*** | | *%REC* | | *10-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***91.1*** | | *%REC* | | *40-170* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***59.6*** | | *%REC* | | *10-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***79.8*** | | *%REC* | | *25-135* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***61.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***61.8*** | | *%REC* | | *10-130* | *1* | *07/10/26 02:11* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 13:42 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-09** **Lab ID: HN2611761-009**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 0.285 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 7.13 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 13.2 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 0.240 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 0.513 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 17.6 | 101 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 15.5 | 101 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 27.8 | 101 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 0.285 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 0.366 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 0.886 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 4.75 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 5.27 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 4.80 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 6.90 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 6.55 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 13:42 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-09** **Lab ID: HN2611761-009**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 5.66 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 1.56 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 0.366 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | **1.11** | J | ng/L | 0.409 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 6.21 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 0.798 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **2.46** | | ng/L | 0.532 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **317** | | ng/L | 9.54 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 3.57 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 5.98 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 3.82 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 6.47 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 8.35 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 6.02 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **1.12** | J | ng/L | 0.427 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 5.09 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | ND | *U | ng/L | 5.04 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 13.7 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **3.32** | | ng/L | 0.310 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 5.04 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | ND | *U | ng/L | 1.52 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 13:42 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-09** **Lab ID: HN2611761-009**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 4.34 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 7.23 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | *U | ng/L | 10.6 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | ND | *U | ng/L | 4.06 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 3.57 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | ND | U | ng/L | 0.418 | 2.02 | 1 | 07/10/26 03:11 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 3.36 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 4.39 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 2.17 | 20.0 | 1 | 07/13/26 00:56 | 07/12/26 16:14 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***74.0*** | | *%REC* | | *10-200* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***304*** | *S* | *%REC* | | *40-200* | *1* | *07/10/26 03:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***72.2*** | | *%REC* | | *40-200* | *1* | *07/10/26 03:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***152*** | | *%REC* | | *40-300* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***100*** | | *%REC* | | *10-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***94.6*** | | *%REC* | | *10-300* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***76.0*** | | *%REC* | | *10-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***61.3*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:11* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***43.2*** | | *%REC* | | *40-135* | *1* | *07/10/26 03:11* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***75.7*** | | *%REC* | | *40-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***86.2*** | | *%REC* | | *5-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***67.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:11* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***90.1*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:11* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***63.3*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:11* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***104*** | | *%REC* | | *40-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***82.4*** | | *%REC* | | *30-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***69.5*** | | *%REC* | | *40-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***93.6*** | | *%REC* | | *40-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***75.1*** | | *%REC* | | *40-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 13:42 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-09** **Lab ID: HN2611761-009**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***87.1*** | | *%REC* | | *40-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***71.2*** | | *%REC* | | *10-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***73.3*** | | *%REC* | | *40-170* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***72.7*** | | *%REC* | | *10-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***74.1*** | | *%REC* | | *25-135* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***64.1*** | | *%REC* | | *10-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***63.2*** | | *%REC* | | *10-130* | *1* | *07/13/26 00:56* | *07/12/26 16:14* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 15:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-10** **Lab ID: HN2611761-010**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 1.41 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 3.56 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 6.56 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 1.19 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 2.54 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 87.2 | 499 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 76.5 | 499 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 138 | 499 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 1.41 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 1.81 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 4.38 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 2.37 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 2.63 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 2.40 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 3.44 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 3.27 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 15:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-10** **Lab ID: HN2611761-010**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 2.82 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 7.72 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 1.81 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 2.03 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 3.10 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 3.95 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | ND | U | ng/L | 2.63 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **164** | | ng/L | 4.76 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 1.78 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 2.99 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 1.91 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 3.23 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 4.16 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 3.00 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | ND | U | ng/L | 2.11 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 2.54 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | ND | U | ng/L | 2.52 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 6.84 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | ND | U | ng/L | 1.53 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 2.52 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | ND | U | ng/L | 0.759 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |

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| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 15:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-10** **Lab ID: HN2611761-010**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 2.17 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 3.60 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | *U | ng/L | 5.29 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | ND | *U | ng/L | 2.03 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 1.78 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **12.0** | | ng/L | 2.07 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 1.68 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 2.19 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 1.08 | 9.99 | 1 | 07/10/26 03:31 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***77.9*** | | *%REC* | | *10-200* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***239*** | *S* | *%REC* | | *40-200* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***123*** | | *%REC* | | *40-200* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***98.1*** | | *%REC* | | *40-300* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***82.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***60.8*** | | *%REC* | | *10-300* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***69.1*** | | *%REC* | | *10-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***78.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***88.5*** | | *%REC* | | *40-135* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***86.2*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***97.5*** | | *%REC* | | *5-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***95.4*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***98.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***82.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***96.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***86.1*** | | *%REC* | | *30-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***75.3*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***97.3*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***78.1*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 15:32 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-10** **Lab ID: HN2611761-010**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***95.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***63.3*** | | *%REC* | | *10-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***87.4*** | | *%REC* | | *40-170* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***63.3*** | | *%REC* | | *10-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***83.0*** | | *%REC* | | *25-135* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***58.8*** | | *%REC* | | *10-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***58.0*** | | *%REC* | | *10-130* | *1* | *07/10/26 03:31* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 00:00 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-11** **Lab ID: HN2611761-011**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 1.41 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 3.56 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 6.56 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 1.19 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 2.54 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 87.2 | 499 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 76.5 | 499 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 138 | 499 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 1.41 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 1.81 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 4.38 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 2.37 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 2.63 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 2.40 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 3.44 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 3.26 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 00:00 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-11** **Lab ID: HN2611761-011**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 2.82 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 7.72 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 1.81 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 2.02 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 3.10 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 3.95 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | **6.78** | J | ng/L | 2.63 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **418** | | ng/L | 4.75 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 1.78 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 2.98 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 1.91 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 3.22 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 4.16 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 3.00 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | **3.59** | J | ng/L | 2.11 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 2.54 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | ND | U | ng/L | 2.51 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 6.84 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | **10.9** | | ng/L | 1.53 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 2.51 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | **1.94** | J | ng/L | 0.758 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 00:00 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-11** **Lab ID: HN2611761-011**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 2.16 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 3.60 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | **14.1** | * | ng/L | 5.29 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | **5.39** | *J | ng/L | 2.02 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 1.78 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | **34.6** | | ng/L | 2.07 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 1.68 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 2.19 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 1.08 | 9.98 | 1 | 07/10/26 03:51 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***133*** | | *%REC* | | *10-200* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***383*** | *S* | *%REC* | | *40-200* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***300*** | *S* | *%REC* | | *40-200* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***195*** | | *%REC* | | *40-300* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***97.5*** | | *%REC* | | *10-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***62.0*** | | *%REC* | | *10-300* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***74.2*** | | *%REC* | | *10-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***67.8*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***87.4*** | | *%REC* | | *40-135* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***96.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***104*** | | *%REC* | | *5-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***110*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***104*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***75.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***108*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***95.9*** | | *%REC* | | *30-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***89.7*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***104*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***94.1*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 00:00 |
| **Matrix:** | GROUNDWATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-11** **Lab ID: HN2611761-011**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***100*** | | *%REC* | | *40-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***66.9*** | | *%REC* | | *10-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***135*** | | *%REC* | | *40-170* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***64.5*** | | *%REC* | | *10-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***129*** | | *%REC* | | *25-135* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***62.1*** | | *%REC* | | *10-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***65.0*** | | *%REC* | | *10-130* | *1* | *07/10/26 03:51* | *07/09/26 15:50* |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 15:32 |
| **Matrix:** | WATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-12** **Lab ID: HN2611761-012**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| **Per- and Polyfluorinated Alkyl Substances by LC-MS** | | | | | | | | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | EPA 1633A | ND | U | ng/L | 0.270 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | EPA 1633A | ND | U | ng/L | 0.681 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | EPA 1633A | ND | U | ng/L | 1.26 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633A | ND | U | ng/L | 0.227 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | EPA 1633A | ND | U | ng/L | 0.486 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | EPA 1633A | ND | U | ng/L | 16.7 | 95.6 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | EPA 1633A | ND | U | ng/L | 14.7 | 95.6 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | EPA 1633A | ND | U | ng/L | 26.3 | 95.6 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | EPA 1633A | ND | U | ng/L | 0.270 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | EPA 1633A | ND | U | ng/L | 0.347 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | EPA 1633A | ND | U | ng/L | 0.839 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | EPA 1633A | ND | U | ng/L | 0.454 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633A | ND | U | ng/L | 0.504 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633A | ND | U | ng/L | 0.459 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633A | ND | U | ng/L | 0.659 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633A | ND | U | ng/L | 0.625 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 15:32 |
| **Matrix:** | WATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-12** **Lab ID: HN2611761-012**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | EPA 1633A | ND | U | ng/L | 0.541 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | EPA 1633A | ND | U | ng/L | 1.48 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | EPA 1633A | ND | U | ng/L | 0.347 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | EPA 1633A | ND | U | ng/L | 0.388 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | EPA 1633A | ND | U | ng/L | 0.594 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | EPA 1633A | ND | U | ng/L | 0.756 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorobutane sulfonic acid (PFBS) | EPA 1633A | ND | U | ng/L | 0.504 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorobutanoic acid (PFBA) | EPA 1633A | **1.06** | J | ng/L | 0.911 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorobutylsulfonamide (PFBSA) | EPA 1633A | ND | U | ng/L | 0.341 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorodecane sulfonic acid (PFDS) | EPA 1633A | ND | U | ng/L | 0.572 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorodecanoic acid (PFDA) | EPA 1633A | ND | U | ng/L | 0.365 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorododecane sulfonic acid (PFDoS) | EPA 1633A | ND | U | ng/L | 0.618 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorododecanoic acid (PFDOA) | EPA 1633A | ND | U | ng/L | 0.797 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluoroheptane sulfonic acid (PFHpS) | EPA 1633A | ND | U | ng/L | 0.575 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluoroheptanoic acid (PFHpA) | EPA 1633A | ND | U | ng/L | 0.404 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorohexadecanoic acid (PFHxDA) | EPA 1633A | ND | U | ng/L | 0.486 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorohexane sulfonic acid (PFHxS) | EPA 1633A | ND | U | ng/L | 0.482 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorohexanesulfonamide (PFHxSA) | EPA 1633A | ND | U | ng/L | 1.31 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorohexanoic acid (PFHxA) | EPA 1633A | ND | U | ng/L | 0.293 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorononane sulfonic acid (PFNS) | EPA 1633A | ND | U | ng/L | 0.482 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorononanoic acid (PFNA) | EPA 1633A | ND | U | ng/L | 0.145 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |

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|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 15:32 |
| **Matrix:** | WATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-12** **Lab ID: HN2611761-012**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctadecanoic acid (PFODA) | EPA 1633A | ND | U | ng/L | 0.415 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorooctane sulfonamide (PFOSAm) | EPA 1633A | ND | U | ng/L | 0.690 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorooctane sulfonic acid (PFOS) | EPA 1633A | ND | U | ng/L | 1.01 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorooctanoic acid (PFOA) | EPA 1633A | ND | U | ng/L | 0.388 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluoropentane sulfonic acid (PFPeS) | EPA 1633A | ND | U | ng/L | 0.341 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluoropentanoic acid (PFPeA) | EPA 1633A | ND | U | ng/L | 0.396 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorotetradecanoic acid (PFTDA) | EPA 1633A | ND | U | ng/L | 0.321 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluorotridecanoic acid (PFTrDA) | EPA 1633A | ND | U | ng/L | 0.420 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| Perfluoroundecanoic acid (PFUnDA) | EPA 1633A | ND | U | ng/L | 0.207 | 1.91 | 1 | 07/10/26 04:11 | 07/09/26 15:50 |
| *Surr: 13C2-FtS 10:2* | *EPA 1633A* | ***77.8*** | | *%REC* | | *10-200* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 4:2* | *EPA 1633A* | ***94.4*** | | *%REC* | | *40-200* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 6:2* | *EPA 1633A* | ***94.3*** | | *%REC* | | *40-200* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C2-FtS 8:2* | *EPA 1633A* | ***99.8*** | | *%REC* | | *40-300* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFDoA* | *EPA 1633A* | ***82.8*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFHxDA* | *EPA 1633A* | ***46.4*** | | *%REC* | | *10-300* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C2-PFTeDA* | *EPA 1633A* | ***57.7*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C3-HFPO-DA* | *EPA 1633A* | ***84.2*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C3-PFBS* | *EPA 1633A* | ***84.1*** | | *%REC* | | *40-135* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C3-PFHxS* | *EPA 1633A* | ***80.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C4-PFBA* | *EPA 1633A* | ***93.8*** | | *%REC* | | *5-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C4-PFHpA* | *EPA 1633A* | ***87.2*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C5-PFHxA* | *EPA 1633A* | ***91.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C5-PFPeA* | *EPA 1633A* | ***80.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C6-PFDA* | *EPA 1633A* | ***93.5*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C7-PFUnDA* | *EPA 1633A* | ***84.9*** | | *%REC* | | *30-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C8-FOSA* | *EPA 1633A* | ***77.0*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C8-PFOA* | *EPA 1633A* | ***92.2*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: 13C8-PFOS* | *EPA 1633A* | ***77.6*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | 06/30/26 15:32 |
| **Matrix:** | WATER | **Date Received:** | 07/07/26 09:30 |

**CLIENT ID: 26G0071-12** **Lab ID: HN2611761-012**

| Analyte | Method | Results | Qual | Units | MDL | MRL | Dilution Factor | Date Analyzed | Date Extracted |
|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C9-PFNA* | *EPA 1633A* | ***90.9*** | | *%REC* | | *40-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSA* | *EPA 1633A* | ***65.3*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: d3-N-MeFOSAA* | *EPA 1633A* | ***89.2*** | | *%REC* | | *40-170* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSA* | *EPA 1633A* | ***63.1*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: d5-N-EtFOSAA* | *EPA 1633A* | ***84.8*** | | *%REC* | | *25-135* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: d7-N-MeFOSE* | *EPA 1633A* | ***60.2*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |
| *Surr: d9-N-EtFOSE* | *EPA 1633A* | ***58.9*** | | *%REC* | | *10-130* | *1* | *07/10/26 04:11* | *07/09/26 15:50* |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2698875 | **Run ID:** | 4284275 |

## Per- and Polyfluorinated Alkyl Substances by LC-MS

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2698875-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 20:51 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | ND | ng/L | 0.713 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | ND | ng/L | 1.31 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | ND | ng/L | 0.238 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | ND | ng/L | 17.5 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | ND | ng/L | 15.3 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | ND | ng/L | 27.6 | 100 | | | | | | | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | ND | ng/L | 0.878 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | ND | ng/L | 0.475 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | ND | ng/L | 0.480 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | ND | ng/L | 0.689 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | ND | ng/L | 0.654 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | ND | ng/L | 0.566 | 2.00 | | | | | | | U |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ND | ng/L | 1.55 | 2.00 | | | | | | | U |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | ND | ng/L | 0.621 | 2.00 | | | | | | | U |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | ng/L | 0.791 | 2.00 | | | | | | | U |
| Perfluorobutane sulfonic acid (PFBS) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| Perfluorobutanoic acid (PFBA) | ND | ng/L | 0.953 | 2.00 | | | | | | | U |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2698875 | **Run ID:** | 4284275 |

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2698875-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 20:51 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutylsulfonamide (PFBSA) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluorodecane sulfonic acid (PFDS) | ND | ng/L | 0.598 | 2.00 | | | | | | | U |
| Perfluorodecanoic acid (PFDA) | ND | ng/L | 0.382 | 2.00 | | | | | | | U |
| Perfluorododecane sulfonic acid (PFDoS) | ND | ng/L | 0.646 | 2.00 | | | | | | | U |
| Perfluorododecanoic acid (PFDOA) | ND | ng/L | 0.834 | 2.00 | | | | | | | U |
| Perfluoroheptane sulfonic acid (PFHpS) | ND | ng/L | 0.602 | 2.00 | | | | | | | U |
| Perfluoroheptanoic acid (PFHpA) | ND | ng/L | 0.423 | 2.00 | | | | | | | U |
| Perfluorohexadecanoic acid (PFHxDA) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| Perfluorohexane sulfonic acid (PFHxS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorohexanesulfonamide (PFHxSA) | ND | ng/L | 1.37 | 2.00 | | | | | | | U |
| Perfluorohexanoic acid (PFHxA) | ND | ng/L | 0.307 | 2.00 | | | | | | | U |
| Perfluorononane sulfonic acid (PFNS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorononanoic acid (PFNA) | ND | ng/L | 0.152 | 2.00 | | | | | | | U |
| Perfluorooctadecanoic acid (PFODA) | ND | ng/L | 0.434 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonamide (PFOSAm) | ND | ng/L | 0.722 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonic acid (PFOS) | ND | ng/L | 1.06 | 2.00 | | | | | | | U |
| Perfluorooctanoic acid (PFOA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoropentane sulfonic acid (PFPeS) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluoropentanoic acid (PFPeA) | ND | ng/L | 0.414 | 2.00 | | | | | | | U |
| Perfluorotetradecanoic acid (PFTDA) | ND | ng/L | 0.336 | 2.00 | | | | | | | U |
| Perfluorotridecanoic acid (PFTrDA) | ND | ng/L | 0.439 | 2.00 | | | | | | | U |
| Perfluoroundecanoic acid (PFUnDA) | ND | ng/L | 0.217 | 2.00 | | | | | | | U |
| *Surr: 13C2-FtS 10:2* | ***48.4*** | *ng/L* | | | 50 | | 96.9 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***116*** | *ng/L* | | | 100 | | 116 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***113*** | *ng/L* | | | 100 | | 113 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***110*** | *ng/L* | | | 100 | | 110 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***28.4*** | *ng/L* | | | 25 | | 114 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***31.1*** | *ng/L* | | | 50 | | 62.2 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***18.2*** | *ng/L* | | | 25 | | 72.8 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***218*** | *ng/L* | | | 200 | | 109 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***53.2*** | *ng/L* | | | 50 | | 106 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***52.3*** | *ng/L* | | | 50 | | 105 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***221*** | *ng/L* | | | 200 | | 111 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***54.6*** | *ng/L* | | | 50 | | 109 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***54.9*** | *ng/L* | | | 50 | | 110 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***109*** | *ng/L* | | | 100 | | 109 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***28.2*** | *ng/L* | | | 25 | | 113 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***28.4*** | *ng/L* | | | 25 | | 114 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***49.5*** | *ng/L* | | | 50 | | 99.0 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***56.5*** | *ng/L* | | | 50 | | 113 | *40-130* | | | |

**Client:** ALS Environmental
**Project:** 26G0071
**Matrix:** WATER
**QC Lot:** 2698875

**Work Order:** HN2611761
**Date Collected:** NA
**Date Received:** NA
**Run ID:** 4284275

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2698875-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 20:51 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C8-PFOS* | ***54.8*** | *ng/L* | | | 50 | | 110 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***28.0*** | *ng/L* | | | 25 | | 112 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***46.3*** | *ng/L* | | | 50 | | 92.6 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***108*** | *ng/L* | | | 100 | | 108 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***46.5*** | *ng/L* | | | 50 | | 93.0 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***109*** | *ng/L* | | | 100 | | 109 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***356*** | *ng/L* | | | 500 | | 71.1 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***339*** | *ng/L* | | | 500 | | 67.9 | *10-130* | | | |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2698875-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 21:11 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 4.41 | ng/L | 0.713 | 2.00 | 4 | | 110 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 4.31 | ng/L | 1.31 | 2.00 | 3.86 | | 112 | 50-150 | | | |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 4.32 | ng/L | 0.238 | 2.00 | 4 | | 108 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 4.77 | ng/L | 0.509 | 2.00 | 4 | | 119 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 181 | ng/L | 17.5 | 100 | 200 | | 90.7 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | 202 | ng/L | 15.3 | 100 | 200 | | 101 | 65-130 | | | |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 193 | ng/L | 27.6 | 100 | 200 | | 96.4 | 70-135 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 4.14 | ng/L | 0.475 | 2.00 | 4 | | 104 | 65-145 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 3.87 | ng/L | 0.527 | 2.00 | 4 | | 96.7 | 70-145 | | | |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 4.18 | ng/L | 0.480 | 2.00 | 4 | | 105 | 70-135 | | | |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 4.54 | ng/L | 0.689 | 2.00 | 4 | | 114 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 4.14 | ng/L | 0.654 | 2.00 | 4 | | 104 | 50-140 | | | |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 4.62 | ng/L | 0.566 | 2.00 | 4 | | 116 | 70-145 | | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 4.87 | ng/L | 1.55 | 2.00 | 4 | | 122 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 4.49 | ng/L | 0.363 | 2.00 | 4 | | 112 | 70-140 | | | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 4.68 | ng/L | 0.406 | 2.00 | 4 | | 117 | 55-140 | | | |

**Client:** ALS Environmental
**Project:** 26G0071
**Matrix:** WATER
**QC Lot:** 2698875

**Work Order:** HN2611761
**Date Collected:** NA
**Date Received:** NA
**Run ID:** 4284275

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2698875-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 21:11 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 3.56 | ng/L | 0.621 | 2.00 | 3.74 | | 95.3 | 50-150 | | | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 4.79 | ng/L | 0.791 | 2.00 | 4 | | 120 | 60-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 4.38 | ng/L | 0.527 | 2.00 | 4 | | 109 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 4.66 | ng/L | 0.953 | 2.00 | 4 | | 116 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 4.22 | ng/L | 0.356 | 2.00 | 4 | | 105 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 3.83 | ng/L | 0.598 | 2.00 | 4 | | 95.8 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 4.29 | ng/L | 0.382 | 2.00 | 4 | | 107 | 70-149 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 3.05 | ng/L | 0.646 | 2.00 | 4 | | 76.2 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 4.42 | ng/L | 0.834 | 2.00 | 4 | | 110 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 3.83 | ng/L | 0.602 | 2.00 | 4 | | 95.8 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 4.19 | ng/L | 0.423 | 2.00 | 4 | | 105 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 4.39 | ng/L | 0.509 | 2.00 | 4 | | 110 | 50-150 | | | |
| Perfluorohexane sulfonic acid (PFHxS) | 4.32 | ng/L | 0.504 | 2.00 | 4 | | 108 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 4.11 | ng/L | 1.37 | 2.00 | 4 | | 103 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 3.95 | ng/L | 0.307 | 2.00 | 4 | | 98.8 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 4.06 | ng/L | 0.504 | 2.00 | 4 | | 102 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 4.31 | ng/L | 0.152 | 2.00 | 4 | | 108 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 5.27 | ng/L | 0.434 | 2.00 | 4 | | 132 | 50-150 | | | |
| Perfluorooctane sulfonamide (PFOSAm) | 4.01 | ng/L | 0.722 | 2.00 | 4 | | 100 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 4.13 | ng/L | 1.06 | 2.00 | 4 | | 103 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 4.10 | ng/L | 0.406 | 2.00 | 4 | | 103 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 4.49 | ng/L | 0.356 | 2.00 | 4 | | 112 | 65-140 | | | |
| Perfluoropentanoic acid (PFPeA) | 4.47 | ng/L | 0.414 | 2.00 | 4 | | 112 | 65-135 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 4.66 | ng/L | 0.336 | 2.00 | 4 | | 116 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 4.90 | ng/L | 0.439 | 2.00 | 4 | | 123 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 4.51 | ng/L | 0.217 | 2.00 | 4 | | 113 | 70-145 | | | |
| *Surr: 13C2-FtS 10:2* | ***52.6*** | *ng/L* | | | 50 | | 105 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***110*** | *ng/L* | | | 100 | | 110 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***106*** | *ng/L* | | | 100 | | 106 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***111*** | *ng/L* | | | 100 | | 111 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***29.7*** | *ng/L* | | | 25 | | 119 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***33.7*** | *ng/L* | | | 50 | | 67.5 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***21.4*** | *ng/L* | | | 25 | | 85.5 | *10-130* | | | |
| *Surr: 13C3-PFBS* | ***50.1*** | *ng/L* | | | 50 | | 100 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***50.6*** | *ng/L* | | | 50 | | 101 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***208*** | *ng/L* | | | 200 | | 104 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***52.0*** | *ng/L* | | | 50 | | 104 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***53.0*** | *ng/L* | | | 50 | | 106 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***102*** | *ng/L* | | | 100 | | 102 | *40-130* | | | |

**Client:** ALS Environmental
**Project:** 26G0071
**Matrix:** WATER
**QC Lot:** 2698875

**Work Order:** HN2611761
**Date Collected:** NA
**Date Received:** NA
**Run ID:** 4284275

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2698875-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 21:11 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C6-PFDA* | ***27.5*** | *ng/L* | | | 25 | | 110 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***26.9*** | *ng/L* | | | 25 | | 107 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***46.7*** | *ng/L* | | | 50 | | 93.4 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***54.3*** | *ng/L* | | | 50 | | 109 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***54.8*** | *ng/L* | | | 50 | | 110 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***27.1*** | *ng/L* | | | 25 | | 108 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***42.9*** | *ng/L* | | | 50 | | 85.7 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***109*** | *ng/L* | | | 100 | | 109 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***42.7*** | *ng/L* | | | 50 | | 85.4 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***108*** | *ng/L* | | | 100 | | 108 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***340*** | *ng/L* | | | 500 | | 68.0 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***325*** | *ng/L* | | | 500 | | 65.0 | *10-130* | | | |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2698875-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 21:51 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane -1-sulfonic acid (11-Cl-PF3OUdS) | 21.2 | ng/L | 0.283 | 2.00 | 20 | | 106 | 55-160 | | | |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 25.6 | ng/L | 0.713 | 2.00 | 20 | | 128 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 23.8 | ng/L | 1.31 | 2.00 | 19.2 | | 124 | 50-150 | | | |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 22.1 | ng/L | 0.238 | 2.00 | 20 | | 111 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 23.0 | ng/L | 0.509 | 2.00 | 20 | | 115 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 413 | ng/L | 17.5 | 100 | 400 | | 103 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | 477 | ng/L | 15.3 | 100 | 400 | | 119 | 65-130 | | | |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 452 | ng/L | 27.6 | 100 | 400 | | 113 | 70-135 | | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 22.1 | ng/L | 0.283 | 2.00 | 20 | | 111 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 25.3 | ng/L | 0.363 | 2.00 | 20 | | 126 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 22.3 | ng/L | 0.878 | 2.00 | 20 | | 111 | 70-140 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 22.7 | ng/L | 0.475 | 2.00 | 20 | | 113 | 60-150 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 23.2 | ng/L | 0.527 | 2.00 | 20 | | 116 | 70-145 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2698875 | **Run ID:** | 4284275 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2698875-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/09/26 21:51 | **Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 22.3 | ng/L | 0.480 | 2.00 | 20 | | 111 | 70-135 | | | |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 23.2 | ng/L | 0.689 | 2.00 | 20 | | 116 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 23.5 | ng/L | 0.654 | 2.00 | 20 | | 117 | 50-140 | | | |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 23.7 | ng/L | 0.566 | 2.00 | 20 | | 118 | 70-145 | | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 23.1 | ng/L | 1.55 | 2.00 | 20 | | 116 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 23.0 | ng/L | 0.363 | 2.00 | 20 | | 115 | 70-140 | | | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 25.1 | ng/L | 0.406 | 2.00 | 20 | | 126 | 55-140 | | | |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 19.7 | ng/L | 0.621 | 2.00 | 18.6 | | 106 | 50-150 | | | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 26.6 | ng/L | 0.791 | 2.00 | 20 | | 133 | 60-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 22.7 | ng/L | 0.527 | 2.00 | 20 | | 113 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 23.6 | ng/L | 0.953 | 2.00 | 20 | | 118 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 24.1 | ng/L | 0.356 | 2.00 | 20 | | 121 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 21.5 | ng/L | 0.598 | 2.00 | 20 | | 107 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 22.6 | ng/L | 0.382 | 2.00 | 20 | | 113 | 70-140 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 17.0 | ng/L | 0.646 | 2.00 | 20 | | 84.8 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 22.7 | ng/L | 0.834 | 2.00 | 20 | | 114 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 23.1 | ng/L | 0.602 | 2.00 | 20 | | 115 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 22.2 | ng/L | 0.423 | 2.00 | 20 | | 111 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 24.7 | ng/L | | 2.00 | 20 | | 124 | 50-150 | | | |
| Perfluorohexane sulfonic acid (PFHxS) | 23.0 | ng/L | 0.504 | 2.00 | 20 | | 115 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 22.6 | ng/L | 1.37 | 2.00 | 20 | | 113 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 21.6 | ng/L | 0.307 | 2.00 | 20 | | 108 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 21.1 | ng/L | 0.504 | 2.00 | 20 | | 106 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 22.1 | ng/L | 0.152 | 2.00 | 20 | | 111 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 27.2 | ng/L | | 2.00 | 20 | | 136 | 50-150 | | | |
| Perfluorooctane sulfonamide (PFOSAm) | 22.5 | ng/L | 0.722 | 2.00 | 20 | | 112 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 21.7 | ng/L | 1.06 | 2.00 | 20 | | 108 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 20.5 | ng/L | 0.406 | 2.00 | 20 | | 103 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 23.6 | ng/L | 0.356 | 2.00 | 20 | | 118 | 65-140 | | | |
| Perfluoropentanoic acid (PFPeA) | 23.0 | ng/L | 0.414 | 2.00 | 20 | | 115 | 65-135 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 23.7 | ng/L | 0.336 | 2.00 | 20 | | 118 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 26.5 | ng/L | 0.439 | 2.00 | 20 | | 132 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 23.7 | ng/L | 0.217 | 2.00 | 20 | | 118 | 70-145 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2698875 | **Run ID:** | 4284275 |

| LCS | CLIENT ID: Laboratory Control Sample | Lab ID: QC-2698875-003 |
|---|---|---|

**Method:** EPA 1633A **Dilution:** 1 **Analysis Date:** 07/09/26 21:51

**Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C2-FtS 10:2* | ***48.8*** | *ng/L* | | | 50 | | 97.7 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***109*** | *ng/L* | | | 100 | | 109 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***104*** | *ng/L* | | | 100 | | 104 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***101*** | *ng/L* | | | 100 | | 101 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***27.6*** | *ng/L* | | | 25 | | 110 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***36.0*** | *ng/L* | | | 50 | | 72.0 | *10-299* | | | |
| *Surr: 13C2-PFTeDA* | ***19.8*** | *ng/L* | | | 25 | | 79.0 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***203*** | *ng/L* | | | 200 | | 101 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***48.8*** | *ng/L* | | | 50 | | 97.6 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***48.1*** | *ng/L* | | | 50 | | 96.2 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***207*** | *ng/L* | | | 200 | | 103 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***50.5*** | *ng/L* | | | 50 | | 101 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***51.4*** | *ng/L* | | | 50 | | 103 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***99.4*** | *ng/L* | | | 100 | | 99.4 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***26.2*** | *ng/L* | | | 25 | | 105 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***26.5*** | *ng/L* | | | 25 | | 106 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***44.7*** | *ng/L* | | | 50 | | 89.5 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***52.2*** | *ng/L* | | | 50 | | 104 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***49.8*** | *ng/L* | | | 50 | | 99.7 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***25.7*** | *ng/L* | | | 25 | | 103 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***42.8*** | *ng/L* | | | 50 | | 85.5 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***97.1*** | *ng/L* | | | 100 | | 97.1 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***42.1*** | *ng/L* | | | 50 | | 84.3 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***101*** | *ng/L* | | | 100 | | 101 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***363*** | *ng/L* | | | 500 | | 72.7 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***359*** | *ng/L* | | | 500 | | 71.8 | *10-130* | | | |

**The following samples were analyzed in this batch:** HN2611761-001, HN2611761-003, HN2611761-004, HN2611761-005, HN2611761-006, HN2611761-007, HN2611761-008, HN2611761-009, HN2611761-010, HN2611761-011, HN2611761-012

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2698875 | **Run ID:** | 4285247 |

## Per- and Polyfluorinated Alkyl Substances by LC-MS

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2698875-002**

**Method:** EPA 1633A **Dilution:** 1 **Analysis Date:** 07/10/26 15:36

**Prep Date:** 07/09/26 15:51

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | 3.53 | ng/L | 0.283 | 2.00 | 4 | | 88.4 | 55-160 | | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 4.25 | ng/L | 0.283 | 2.00 | 4 | | 106 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 4.19 | ng/L | 0.363 | 2.00 | 4 | | 105 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 4.67 | ng/L | 0.878 | 2.00 | 4 | | 117 | 70-140 | | | |
| *Surr: 13C3-HFPO-DA* | ***228*** | *ng/L* | | | 200 | | 114 | *40-130* | | | |

**The following samples were analyzed in this batch:** HN2611761-001, HN2611761-003, HN2611761-004, HN2611761-005, HN2611761-006, HN2611761-007, HN2611761-008, HN2611761-009, HN2611761-010, HN2611761-011, HN2611761-012

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2703538 | **Run ID:** | 4290446 |

## Per- and Polyfluorinated Alkyl Substances by LC-MS

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2703538-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:02 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | ND | ng/L | 0.713 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | ND | ng/L | 1.31 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | ND | ng/L | 0.238 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | ND | ng/L | 17.5 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | ND | ng/L | 15.3 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | ND | ng/L | 27.6 | 100 | | | | | | | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | ND | ng/L | 0.878 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | ND | ng/L | 0.475 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | ND | ng/L | 0.480 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | ND | ng/L | 0.689 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | ND | ng/L | 0.654 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | ND | ng/L | 0.566 | 2.00 | | | | | | | U |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ND | ng/L | 1.55 | 2.00 | | | | | | | U |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | ND | ng/L | 0.621 | 2.00 | | | | | | | U |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | ng/L | 0.791 | 2.00 | | | | | | | U |
| Perfluorobutane sulfonic acid (PFBS) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| Perfluorobutanoic acid (PFBA) | ND | ng/L | 0.953 | 2.00 | | | | | | | U |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2703538 | **Run ID:** | 4290446 |

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2703538-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:02 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutylsulfonamide (PFBSA) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluorodecane sulfonic acid (PFDS) | ND | ng/L | 0.598 | 2.00 | | | | | | | U |
| Perfluorodecanoic acid (PFDA) | ND | ng/L | 0.382 | 2.00 | | | | | | | U |
| Perfluorododecane sulfonic acid (PFDoS) | ND | ng/L | 0.646 | 2.00 | | | | | | | U |
| Perfluorododecanoic acid (PFDOA) | ND | ng/L | 0.834 | 2.00 | | | | | | | U |
| Perfluoroheptane sulfonic acid (PFHpS) | ND | ng/L | 0.602 | 2.00 | | | | | | | U |
| Perfluoroheptanoic acid (PFHpA) | ND | ng/L | 0.423 | 2.00 | | | | | | | U |
| Perfluorohexadecanoic acid (PFHxDA) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| Perfluorohexane sulfonic acid (PFHxS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorohexanesulfonamide (PFHxSA) | ND | ng/L | 1.37 | 2.00 | | | | | | | U |
| Perfluorohexanoic acid (PFHxA) | ND | ng/L | 0.307 | 2.00 | | | | | | | U |
| Perfluorononane sulfonic acid (PFNS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorononanoic acid (PFNA) | ND | ng/L | 0.152 | 2.00 | | | | | | | U |
| Perfluorooctadecanoic acid (PFODA) | ND | ng/L | 0.434 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonamide (PFOSAm) | ND | ng/L | 0.722 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonic acid (PFOS) | ND | ng/L | 1.06 | 2.00 | | | | | | | U |
| Perfluorooctanoic acid (PFOA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoropentane sulfonic acid (PFPeS) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluoropentanoic acid (PFPeA) | ND | ng/L | 0.414 | 2.00 | | | | | | | U |
| Perfluorotetradecanoic acid (PFTDA) | ND | ng/L | 0.336 | 2.00 | | | | | | | U |
| Perfluorotridecanoic acid (PFTrDA) | ND | ng/L | 0.439 | 2.00 | | | | | | | U |
| Perfluoroundecanoic acid (PFUnDA) | ND | ng/L | 0.217 | 2.00 | | | | | | | U |
| *Surr: 13C2-FtS 10:2* | ***48.6*** | *ng/L* | | | 50 | | 97.2 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***113*** | *ng/L* | | | 100 | | 113 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***118*** | *ng/L* | | | 100 | | 118 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***114*** | *ng/L* | | | 100 | | 114 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***26.8*** | *ng/L* | | | 25 | | 107 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***31.8*** | *ng/L* | | | 50 | | 63.6 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***20.3*** | *ng/L* | | | 25 | | 81.1 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***216*** | *ng/L* | | | 200 | | 108 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***54.2*** | *ng/L* | | | 50 | | 108 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***54.8*** | *ng/L* | | | 50 | | 110 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***236*** | *ng/L* | | | 200 | | 118 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***56.7*** | *ng/L* | | | 50 | | 113 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***58.1*** | *ng/L* | | | 50 | | 116 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***103*** | *ng/L* | | | 100 | | 103 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***30.3*** | *ng/L* | | | 25 | | 121 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***27.5*** | *ng/L* | | | 25 | | 110 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***51.2*** | *ng/L* | | | 50 | | 102 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***56.7*** | *ng/L* | | | 50 | | 113 | *40-130* | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2703538 | **Run ID:** | 4290446 |

**MB** **CLIENT ID: Method Blank** **Lab ID: QC-2703538-001**

**Method:** EPA 1633A **Dilution:** 1 **Analysis Date:** 07/11/26 22:02

**Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C8-PFOS* | ***53.6*** | *ng/L* | | | 50 | | 107 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***28.5*** | *ng/L* | | | 25 | | 114 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***46.0*** | *ng/L* | | | 50 | | 91.9 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***120*** | *ng/L* | | | 100 | | 120 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***44.6*** | *ng/L* | | | 50 | | 89.1 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***114*** | *ng/L* | | | 100 | | 114 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***363*** | *ng/L* | | | 500 | | 72.6 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***349*** | *ng/L* | | | 500 | | 69.8 | *10-130* | | | |

**LCS** **CLIENT ID: Laboratory Control Sample** **Lab ID: QC-2703538-002**

**Method:** EPA 1633A **Dilution:** 1 **Analysis Date:** 07/11/26 22:22

**Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | 3.54 | ng/L | 0.283 | 2.00 | 4 | | 88.6 | 55-160 | | | |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 4.41 | ng/L | 0.713 | 2.00 | 4 | | 110 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 4.88 | ng/L | 1.31 | 2.00 | 3.86 | | 126 | 50-150 | | | |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 4.55 | ng/L | 0.238 | 2.00 | 4 | | 114 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 4.40 | ng/L | 0.509 | 2.00 | 4 | | 110 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 172 | ng/L | 17.5 | 100 | 200 | | 85.9 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | 202 | ng/L | 15.3 | 100 | 200 | | 101 | 65-130 | | | |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 188 | ng/L | 27.6 | 100 | 200 | | 94.0 | 70-135 | | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 4.29 | ng/L | 0.283 | 2.00 | 4 | | 107 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 4.19 | ng/L | 0.363 | 2.00 | 4 | | 105 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 4.00 | ng/L | 0.878 | 2.00 | 4 | | 100.0 | 70-140 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 4.46 | ng/L | 0.475 | 2.00 | 4 | | 112 | 65-145 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 4.41 | ng/L | 0.527 | 2.00 | 4 | | 110 | 70-145 | | | |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 4.50 | ng/L | 0.480 | 2.00 | 4 | | 113 | 70-135 | | | |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 3.99 | ng/L | 0.689 | 2.00 | 4 | | 99.7 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 3.86 | ng/L | 0.654 | 2.00 | 4 | | 96.6 | 50-140 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2703538 | **Run ID:** | 4290446 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2703538-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:22 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 4.70 | ng/L | 0.566 | 2.00 | 4 | | 118 | 70-145 | | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 5.01 | ng/L | 1.55 | 2.00 | 4 | | 125 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 4.33 | ng/L | 0.363 | 2.00 | 4 | | 108 | 70-140 | | | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 5.21 | ng/L | 0.406 | 2.00 | 4 | | 130 | 55-140 | | | |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 3.98 | ng/L | 0.621 | 2.00 | 3.74 | | 106 | 50-150 | | | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 4.99 | ng/L | 0.791 | 2.00 | 4 | | 125 | 60-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 4.73 | ng/L | 0.527 | 2.00 | 4 | | 118 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 4.43 | ng/L | 0.953 | 2.00 | 4 | | 111 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 4.22 | ng/L | 0.356 | 2.00 | 4 | | 105 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 4.16 | ng/L | 0.598 | 2.00 | 4 | | 104 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 4.05 | ng/L | 0.382 | 2.00 | 4 | | 101 | 70-149 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 3.17 | ng/L | 0.646 | 2.00 | 4 | | 79.2 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 4.49 | ng/L | 0.834 | 2.00 | 4 | | 112 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 3.93 | ng/L | 0.602 | 2.00 | 4 | | 98.3 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 4.14 | ng/L | 0.423 | 2.00 | 4 | | 104 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 4.40 | ng/L | 0.509 | 2.00 | 4 | | 110 | 50-150 | | | |
| Perfluorohexane sulfonic acid (PFHxS) | 4.57 | ng/L | 0.504 | 2.00 | 4 | | 114 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 4.16 | ng/L | 1.37 | 2.00 | 4 | | 104 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 4.20 | ng/L | 0.307 | 2.00 | 4 | | 105 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 4.65 | ng/L | 0.504 | 2.00 | 4 | | 116 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 4.25 | ng/L | 0.152 | 2.00 | 4 | | 106 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 4.88 | ng/L | 0.434 | 2.00 | 4 | | 122 | 50-150 | | | |
| Perfluorooctane sulfonamide (PFOSAm) | 4.17 | ng/L | 0.722 | 2.00 | 4 | | 104 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 4.36 | ng/L | 1.06 | 2.00 | 4 | | 109 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 4.53 | ng/L | 0.406 | 2.00 | 4 | | 113 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 4.86 | ng/L | 0.356 | 2.00 | 4 | | 122 | 65-140 | | | |
| Perfluoropentanoic acid (PFPeA) | 4.48 | ng/L | 0.414 | 2.00 | 4 | | 112 | 65-135 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 4.36 | ng/L | 0.336 | 2.00 | 4 | | 109 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 4.93 | ng/L | 0.439 | 2.00 | 4 | | 123 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 4.19 | ng/L | 0.217 | 2.00 | 4 | | 105 | 70-145 | | | |
| *Surr: 13C2-FtS 10:2* | ***48.0*** | *ng/L* | | | 50 | | 96.0 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***108*** | *ng/L* | | | 100 | | 108 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***114*** | *ng/L* | | | 100 | | 114 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***111*** | *ng/L* | | | 100 | | 111 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***26.0*** | *ng/L* | | | 25 | | 104 | *10-130* | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2703538 | **Run ID:** | 4290446 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2703538-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:22 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C2-PFHxDA* | ***33.5*** | *ng/L* | | | 50 | | 67.0 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***21.7*** | *ng/L* | | | 25 | | 86.7 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***203*** | *ng/L* | | | 200 | | 102 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***50.2*** | *ng/L* | | | 50 | | 100 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***50.8*** | *ng/L* | | | 50 | | 102 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***221*** | *ng/L* | | | 200 | | 110 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***50.6*** | *ng/L* | | | 50 | | 101 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***52.6*** | *ng/L* | | | 50 | | 105 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***92.7*** | *ng/L* | | | 100 | | 92.7 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***28.1*** | *ng/L* | | | 25 | | 112 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***26.0*** | *ng/L* | | | 25 | | 104 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***44.7*** | *ng/L* | | | 50 | | 89.5 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***54.1*** | *ng/L* | | | 50 | | 108 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***46.8*** | *ng/L* | | | 50 | | 93.6 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***26.9*** | *ng/L* | | | 25 | | 107 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***40.9*** | *ng/L* | | | 50 | | 81.9 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***106*** | *ng/L* | | | 100 | | 106 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***41.0*** | *ng/L* | | | 50 | | 82.0 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***99.8*** | *ng/L* | | | 100 | | 99.8 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***352*** | *ng/L* | | | 500 | | 70.4 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***346*** | *ng/L* | | | 500 | | 69.2 | *10-130* | | | |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2703538-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:42 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane -1-sulfonic acid (11-Cl-PF3OUdS) | 17.6 | ng/L | 0.283 | 2.00 | 20 | | 88.2 | 55-160 | | | |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 23.7 | ng/L | 0.713 | 2.00 | 20 | | 118 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 36.1 | ng/L | 1.31 | 2.00 | 19.2 | | 188 | 50-150 | | | S |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 22.5 | ng/L | 0.238 | 2.00 | 20 | | 113 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 22.2 | ng/L | 0.509 | 2.00 | 20 | | 111 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 447 | ng/L | 17.5 | 100 | 400 | | 112 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | 605 | ng/L | 15.3 | 100 | 400 | | 151 | 65-130 | | | S |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 520 | ng/L | 27.6 | 100 | 400 | | 130 | 70-135 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2703538 | **Run ID:** | 4290446 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2703538-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:42 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 21.1 | ng/L | 0.283 | 2.00 | 20 | | 106 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 21.3 | ng/L | 0.363 | 2.00 | 20 | | 107 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 21.4 | ng/L | 0.878 | 2.00 | 20 | | 107 | 70-140 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 24.0 | ng/L | 0.475 | 2.00 | 20 | | 120 | 60-150 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 23.5 | ng/L | 0.527 | 2.00 | 20 | | 117 | 70-145 | | | |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 23.4 | ng/L | 0.480 | 2.00 | 20 | | 117 | 70-135 | | | |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 25.0 | ng/L | 0.689 | 2.00 | 20 | | 125 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 22.7 | ng/L | 0.654 | 2.00 | 20 | | 113 | 50-140 | | | |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 24.1 | ng/L | 0.566 | 2.00 | 20 | | 121 | 70-145 | | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 22.6 | ng/L | 1.55 | 2.00 | 20 | | 113 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 21.3 | ng/L | 0.363 | 2.00 | 20 | | 107 | 70-140 | | | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 27.0 | ng/L | 0.406 | 2.00 | 20 | | 135 | 55-140 | | | |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 21.6 | ng/L | 0.621 | 2.00 | 18.6 | | 116 | 50-150 | | | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 25.9 | ng/L | 0.791 | 2.00 | 20 | | 129 | 60-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 23.3 | ng/L | 0.527 | 2.00 | 20 | | 117 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 22.1 | ng/L | 0.953 | 2.00 | 20 | | 111 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 21.4 | ng/L | 0.356 | 2.00 | 20 | | 107 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 20.3 | ng/L | 0.598 | 2.00 | 20 | | 101 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 19.9 | ng/L | 0.382 | 2.00 | 20 | | 99.5 | 70-140 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 14.4 | ng/L | 0.646 | 2.00 | 20 | | 71.8 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 22.2 | ng/L | 0.834 | 2.00 | 20 | | 111 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 21.0 | ng/L | 0.602 | 2.00 | 20 | | 105 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 20.8 | ng/L | 0.423 | 2.00 | 20 | | 104 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 38.6 | ng/L | | 2.00 | 20 | | 193 | 50-150 | | | S |
| Perfluorohexane sulfonic acid (PFHxS) | 23.2 | ng/L | 0.504 | 2.00 | 20 | | 116 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 24.4 | ng/L | 1.37 | 2.00 | 20 | | 122 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 21.2 | ng/L | 0.307 | 2.00 | 20 | | 106 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 22.3 | ng/L | 0.504 | 2.00 | 20 | | 111 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 21.9 | ng/L | 0.152 | 2.00 | 20 | | 109 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 38.5 | ng/L | | 2.00 | 20 | | 192 | 50-150 | | | S |

# QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2703538 | **Run ID:** | 4290446 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2703538-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/11/26 22:42 | **Prep Date:** 07/11/26 15:01

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctane sulfonamide (PFOSAm) | 22.3 | ng/L | 0.722 | 2.00 | 20 | | 111 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 21.4 | ng/L | 1.06 | 2.00 | 20 | | 107 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 20.6 | ng/L | 0.406 | 2.00 | 20 | | 103 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 23.9 | ng/L | 0.356 | 2.00 | 20 | | 119 | 65-140 | | | |
| Perfluoropentanoic acid (PFPeA) | 22.3 | ng/L | 0.414 | 2.00 | 20 | | 112 | 65-135 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 21.5 | ng/L | 0.336 | 2.00 | 20 | | 108 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 24.9 | ng/L | 0.439 | 2.00 | 20 | | 124 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 21.3 | ng/L | 0.217 | 2.00 | 20 | | 106 | 70-145 | | | |
| *Surr: 13C2-FtS 10:2* | ***42.3*** | *ng/L* | | | 50 | | 84.6 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***103*** | *ng/L* | | | 100 | | 103 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***107*** | *ng/L* | | | 100 | | 107 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***104*** | *ng/L* | | | 100 | | 104 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***23.9*** | *ng/L* | | | 25 | | 95.8 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***31.0*** | *ng/L* | | | 50 | | 62.0 | *10-299* | | | |
| *Surr: 13C2-PFTeDA* | ***19.0*** | *ng/L* | | | 25 | | 76.1 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***197*** | *ng/L* | | | 200 | | 98.3 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***49.3*** | *ng/L* | | | 50 | | 98.6 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***48.0*** | *ng/L* | | | 50 | | 95.9 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***212*** | *ng/L* | | | 200 | | 106 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***48.1*** | *ng/L* | | | 50 | | 96.2 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***51.3*** | *ng/L* | | | 50 | | 103 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***88.2*** | *ng/L* | | | 100 | | 88.2 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***26.6*** | *ng/L* | | | 25 | | 106 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***24.1*** | *ng/L* | | | 25 | | 96.5 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***43.6*** | *ng/L* | | | 50 | | 87.2 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***52.5*** | *ng/L* | | | 50 | | 105 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***45.5*** | *ng/L* | | | 50 | | 91.1 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***25.4*** | *ng/L* | | | 25 | | 102 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***39.1*** | *ng/L* | | | 50 | | 78.3 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***100*** | *ng/L* | | | 100 | | 100.0 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***38.8*** | *ng/L* | | | 50 | | 77.5 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***99.4*** | *ng/L* | | | 100 | | 99.4 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***331*** | *ng/L* | | | 500 | | 66.2 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***325*** | *ng/L* | | | 500 | | 65.0 | *10-130* | | | |

**The following samples were analyzed in this batch:** HN2611761-002

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4290780 |

## Per- and Polyfluorinated Alkyl Substances by LC-MS

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2704452-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/12/26 22:36 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | ND | ng/L | 0.713 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | ND | ng/L | 1.31 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | ND | ng/L | 0.238 | 2.00 | | | | | | | U |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | ND | ng/L | 17.5 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | ND | ng/L | 15.3 | 100 | | | | | | | U |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | ND | ng/L | 27.6 | 100 | | | | | | | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | ND | ng/L | 0.283 | 2.00 | | | | | | | U |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | ND | ng/L | 0.878 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | ND | ng/L | 0.475 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | ND | ng/L | 0.480 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | ND | ng/L | 0.689 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | ND | ng/L | 0.654 | 2.00 | | | | | | | U |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | ND | ng/L | 0.566 | 2.00 | | | | | | | U |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ND | ng/L | 1.55 | 2.00 | | | | | | | U |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | ND | ng/L | 0.363 | 2.00 | | | | | | | U |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | ND | ng/L | 0.621 | 2.00 | | | | | | | U |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | ng/L | 0.791 | 2.00 | | | | | | | U |
| Perfluorobutane sulfonic acid (PFBS) | ND | ng/L | 0.527 | 2.00 | | | | | | | U |
| Perfluorobutanoic acid (PFBA) | ND | ng/L | 0.953 | 2.00 | | | | | | | U |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4290780 |

**MB** | **CLIENT ID: Method Blank** | **Lab ID: QC-2704452-001**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/12/26 22:36 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutylsulfonamide (PFBSA) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluorodecane sulfonic acid (PFDS) | ND | ng/L | 0.598 | 2.00 | | | | | | | U |
| Perfluorodecanoic acid (PFDA) | ND | ng/L | 0.382 | 2.00 | | | | | | | U |
| Perfluorododecane sulfonic acid (PFDoS) | ND | ng/L | 0.646 | 2.00 | | | | | | | U |
| Perfluorododecanoic acid (PFDOA) | ND | ng/L | 0.834 | 2.00 | | | | | | | U |
| Perfluoroheptane sulfonic acid (PFHpS) | ND | ng/L | 0.602 | 2.00 | | | | | | | U |
| Perfluoroheptanoic acid (PFHpA) | ND | ng/L | 0.423 | 2.00 | | | | | | | U |
| Perfluorohexadecanoic acid (PFHxDA) | ND | ng/L | 0.509 | 2.00 | | | | | | | U |
| Perfluorohexane sulfonic acid (PFHxS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorohexanesulfonamide (PFHxSA) | ND | ng/L | 1.37 | 2.00 | | | | | | | U |
| Perfluorohexanoic acid (PFHxA) | ND | ng/L | 0.307 | 2.00 | | | | | | | U |
| Perfluorononane sulfonic acid (PFNS) | ND | ng/L | 0.504 | 2.00 | | | | | | | U |
| Perfluorononanoic acid (PFNA) | ND | ng/L | 0.152 | 2.00 | | | | | | | U |
| Perfluorooctadecanoic acid (PFODA) | ND | ng/L | 0.434 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonamide (PFOSAm) | ND | ng/L | 0.722 | 2.00 | | | | | | | U |
| Perfluorooctane sulfonic acid (PFOS) | ND | ng/L | 1.06 | 2.00 | | | | | | | U |
| Perfluorooctanoic acid (PFOA) | ND | ng/L | 0.406 | 2.00 | | | | | | | U |
| Perfluoropentane sulfonic acid (PFPeS) | ND | ng/L | 0.356 | 2.00 | | | | | | | U |
| Perfluoropentanoic acid (PFPeA) | ND | ng/L | 0.414 | 2.00 | | | | | | | U |
| Perfluorotetradecanoic acid (PFTDA) | ND | ng/L | 0.336 | 2.00 | | | | | | | U |
| Perfluorotridecanoic acid (PFTrDA) | ND | ng/L | 0.439 | 2.00 | | | | | | | U |
| Perfluoroundecanoic acid (PFUnDA) | ND | ng/L | 0.217 | 2.00 | | | | | | | U |
| *Surr: 13C2-FtS 10:2* | ***31.7*** | *ng/L* | | | 50 | | 63.5 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***83.6*** | *ng/L* | | | 100 | | 83.6 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***78.8*** | *ng/L* | | | 100 | | 78.8 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***128*** | *ng/L* | | | 100 | | 128 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***21.7*** | *ng/L* | | | 25 | | 86.7 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***29.7*** | *ng/L* | | | 50 | | 59.4 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***16.7*** | *ng/L* | | | 25 | | 67.0 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***187*** | *ng/L* | | | 200 | | 93.5 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***40.0*** | *ng/L* | | | 50 | | 79.9 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***36.4*** | *ng/L* | | | 50 | | 72.8 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***173*** | *ng/L* | | | 200 | | 86.5 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***49.3*** | *ng/L* | | | 50 | | 98.5 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***43.6*** | *ng/L* | | | 50 | | 87.2 | *40-130* | | | |
| *Surr: 13C5-PFPeA* | ***74.3*** | *ng/L* | | | 100 | | 74.3 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***24.5*** | *ng/L* | | | 25 | | 98.0 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***20.3*** | *ng/L* | | | 25 | | 81.2 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***36.7*** | *ng/L* | | | 50 | | 73.4 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***45.3*** | *ng/L* | | | 50 | | 90.7 | *40-130* | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4290780 |

**MB** **CLIENT ID: Method Blank** **Lab ID: QC-2704452-001**

**Method:** EPA 1633A **Dilution:** 1 **Analysis Date:** 07/12/26 22:36

**Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C8-PFOS* | ***37.1*** | *ng/L* | | | 50 | | 74.2 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***21.6*** | *ng/L* | | | 25 | | 86.4 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***37.2*** | *ng/L* | | | 50 | | 74.4 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***76.2*** | *ng/L* | | | 100 | | 76.2 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***39.7*** | *ng/L* | | | 50 | | 79.4 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***73.7*** | *ng/L* | | | 100 | | 73.7 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***298*** | *ng/L* | | | 500 | | 59.6 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***281*** | *ng/L* | | | 500 | | 56.2 | *10-130* | | | |

**LCS** **CLIENT ID: Laboratory Control Sample** **Lab ID: QC-2704452-002**

**Method:** EPA 1633A **Dilution:** 1 **Analysis Date:** 07/12/26 22:56

**Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | 4.24 | ng/L | 0.283 | 2.00 | 4 | | 106 | 55-160 | | | |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 4.98 | ng/L | 0.713 | 2.00 | 4 | | 124 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 4.65 | ng/L | 1.31 | 2.00 | 3.86 | | 121 | 50-150 | | | |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 4.24 | ng/L | 0.238 | 2.00 | 4 | | 106 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 5.26 | ng/L | 0.509 | 2.00 | 4 | | 132 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 211 | ng/L | 17.5 | 100 | 200 | | 105 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 212 | ng/L | 27.6 | 100 | 200 | | 106 | 70-135 | | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 4.40 | ng/L | 0.283 | 2.00 | 4 | | 110 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 5.14 | ng/L | 0.363 | 2.00 | 4 | | 129 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 4.28 | ng/L | 0.878 | 2.00 | 4 | | 107 | 70-140 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 4.56 | ng/L | 0.475 | 2.00 | 4 | | 114 | 65-145 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 4.86 | ng/L | 0.527 | 2.00 | 4 | | 122 | 70-145 | | | |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 4.91 | ng/L | 0.480 | 2.00 | 4 | | 123 | 70-135 | | | |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 4.24 | ng/L | 0.689 | 2.00 | 4 | | 106 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 4.89 | ng/L | 0.654 | 2.00 | 4 | | 122 | 50-140 | | | |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 4.30 | ng/L | 0.566 | 2.00 | 4 | | 108 | 70-145 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4290780 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2704452-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/12/26 22:56 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 5.84 | ng/L | 1.55 | 2.00 | 4 | | 146 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 4.76 | ng/L | 0.363 | 2.00 | 4 | | 119 | 70-140 | | | |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 3.20 | ng/L | 0.621 | 2.00 | 3.74 | | 85.5 | 50-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 4.41 | ng/L | 0.527 | 2.00 | 4 | | 110 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 5.04 | ng/L | 0.953 | 2.00 | 4 | | 126 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 4.35 | ng/L | 0.356 | 2.00 | 4 | | 109 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 3.89 | ng/L | 0.598 | 2.00 | 4 | | 97.4 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 4.48 | ng/L | 0.382 | 2.00 | 4 | | 112 | 70-149 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 3.20 | ng/L | 0.646 | 2.00 | 4 | | 80.0 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 4.61 | ng/L | 0.834 | 2.00 | 4 | | 115 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 4.86 | ng/L | 0.602 | 2.00 | 4 | | 121 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 4.01 | ng/L | 0.423 | 2.00 | 4 | | 100 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 5.20 | ng/L | 0.509 | 2.00 | 4 | | 130 | 50-150 | | | |
| Perfluorohexane sulfonic acid (PFHxS) | 5.17 | ng/L | 0.504 | 2.00 | 4 | | 129 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 3.88 | ng/L | 1.37 | 2.00 | 4 | | 96.9 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 5.42 | ng/L | 0.307 | 2.00 | 4 | | 135 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 4.14 | ng/L | 0.504 | 2.00 | 4 | | 104 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 4.68 | ng/L | 0.152 | 2.00 | 4 | | 117 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 4.46 | ng/L | 0.434 | 2.00 | 4 | | 111 | 50-150 | | | |
| Perfluorooctane sulfonamide (PFOSAm) | 4.57 | ng/L | 0.722 | 2.00 | 4 | | 114 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 5.26 | ng/L | 1.06 | 2.00 | 4 | | 131 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 3.94 | ng/L | 0.406 | 2.00 | 4 | | 98.6 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 4.43 | ng/L | 0.356 | 2.00 | 4 | | 111 | 65-140 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 5.36 | ng/L | 0.336 | 2.00 | 4 | | 134 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 4.40 | ng/L | 0.439 | 2.00 | 4 | | 110 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 5.69 | ng/L | 0.217 | 2.00 | 4 | | 142 | 70-145 | | | |
| *Surr: 13C2-FtS 10:2* | ***39.5*** | *ng/L* | | | 50 | | 79.0 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***87.0*** | *ng/L* | | | 100 | | 87.0 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***84.2*** | *ng/L* | | | 100 | | 84.2 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***146*** | *ng/L* | | | 100 | | 146 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***26.3*** | *ng/L* | | | 25 | | 105 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***36.3*** | *ng/L* | | | 50 | | 72.5 | *10-200* | | | |
| *Surr: 13C2-PFTeDA* | ***21.0*** | *ng/L* | | | 25 | | 84.0 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***186*** | *ng/L* | | | 200 | | 92.9 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***41.4*** | *ng/L* | | | 50 | | 82.8 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***38.4*** | *ng/L* | | | 50 | | 76.7 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***173*** | *ng/L* | | | 200 | | 86.6 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***51.1*** | *ng/L* | | | 50 | | 102 | *40-130* | | | |

**Client:** ALS Environmental
**Project:** 26G0071
**Matrix:** WATER
**QC Lot:** 2704452

**Work Order:** HN2611761
**Date Collected:** NA
**Date Received:** NA
**Run ID:** 4290780

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2704452-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/12/26 22:56 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C5-PFHxA* | ***44.6*** | *ng/L* | | | 50 | | 89.3 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***25.2*** | *ng/L* | | | 25 | | 101 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***21.4*** | *ng/L* | | | 25 | | 85.7 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***35.7*** | *ng/L* | | | 50 | | 71.5 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***47.2*** | *ng/L* | | | 50 | | 94.3 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***40.4*** | *ng/L* | | | 50 | | 80.7 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***22.3*** | *ng/L* | | | 25 | | 89.1 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***38.6*** | *ng/L* | | | 50 | | 77.1 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***76.5*** | *ng/L* | | | 100 | | 76.5 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***39.3*** | *ng/L* | | | 50 | | 78.7 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***76.4*** | *ng/L* | | | 100 | | 76.4 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***308*** | *ng/L* | | | 500 | | 61.5 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***278*** | *ng/L* | | | 500 | | 55.7 | *10-130* | | | |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2704452-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/12/26 23:16 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane -1-sulfonic acid (11-Cl-PF3OUdS) | 19.8 | ng/L | 0.283 | 2.00 | 20 | | 99.0 | 55-160 | | | |
| 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS) | 24.1 | ng/L | 0.713 | 2.00 | 20 | | 121 | 60-150 | | | |
| 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | 25.9 | ng/L | 1.31 | 2.00 | 19.2 | | 135 | 50-150 | | | |
| 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS) | 22.1 | ng/L | 0.238 | 2.00 | 20 | | 110 | 70-145 | | | |
| 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS) | 23.4 | ng/L | 0.509 | 2.00 | 20 | | 117 | 65-155 | | | |
| 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 436 | ng/L | 17.5 | 100 | 400 | | 109 | 50-145 | | | |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 447 | ng/L | 27.6 | 100 | 400 | | 112 | 70-135 | | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (DONA) | 21.7 | ng/L | 0.283 | 2.00 | 20 | | 109 | 65-145 | | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | 23.4 | ng/L | 0.363 | 2.00 | 20 | | 117 | 70-155 | | | |
| Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX) | 23.5 | ng/L | 0.878 | 2.00 | 20 | | 118 | 70-140 | | | |
| N-Ethylperfluorooctane sulfonamide (EtFOSAm) | 19.9 | ng/L | 0.475 | 2.00 | 20 | | 99.7 | 60-150 | | | |
| N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | 21.9 | ng/L | 0.527 | 2.00 | 20 | | 110 | 70-145 | | | |
| N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE) | 23.4 | ng/L | 0.480 | 2.00 | 20 | | 117 | 70-135 | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4290780 |

| LCS | CLIENT ID: Laboratory Control Sample | Lab ID: QC-2704452-003 |
|---|---|---|

**Method:** EPA 1633A **Dilution:** 1 **Analysis Date:** 07/12/26 23:16

**Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N-Methylperfluorooctane sulfonamide (MeFOSA) | 19.5 | ng/L | 0.689 | 2.00 | 20 | | 97.6 | 60-150 | | | |
| N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | 24.4 | ng/L | 0.654 | 2.00 | 20 | | 122 | 50-140 | | | |
| N-Methylperfluorooctane sulfonamido ethanol (MeFOSE) | 21.7 | ng/L | 0.566 | 2.00 | 20 | | 109 | 70-145 | | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 27.3 | ng/L | 1.55 | 2.00 | 20 | | 136 | 50-150 | | | |
| Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) | 23.3 | ng/L | 0.363 | 2.00 | 20 | | 116 | 70-140 | | | |
| Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS) | 17.4 | ng/L | 0.621 | 2.00 | 18.6 | | 93.5 | 50-150 | | | |
| Perfluorobutane sulfonic acid (PFBS) | 22.6 | ng/L | 0.527 | 2.00 | 20 | | 113 | 60-145 | | | |
| Perfluorobutanoic acid (PFBA) | 24.1 | ng/L | 0.953 | 2.00 | 20 | | 120 | 70-140 | | | |
| Perfluorobutylsulfonamide (PFBSA) | 22.5 | ng/L | 0.356 | 2.00 | 20 | | 112 | 50-150 | | | |
| Perfluorodecane sulfonic acid (PFDS) | 21.4 | ng/L | 0.598 | 2.00 | 20 | | 107 | 60-145 | | | |
| Perfluorodecanoic acid (PFDA) | 21.0 | ng/L | 0.382 | 2.00 | 20 | | 105 | 70-140 | | | |
| Perfluorododecane sulfonic acid (PFDoS) | 17.0 | ng/L | 0.646 | 2.00 | 20 | | 84.8 | 50-145 | | | |
| Perfluorododecanoic acid (PFDOA) | 22.2 | ng/L | 0.834 | 2.00 | 20 | | 111 | 70-140 | | | |
| Perfluoroheptane sulfonic acid (PFHpS) | 23.2 | ng/L | 0.602 | 2.00 | 20 | | 116 | 70-150 | | | |
| Perfluoroheptanoic acid (PFHpA) | 19.2 | ng/L | 0.423 | 2.00 | 20 | | 96.2 | 70-150 | | | |
| Perfluorohexadecanoic acid (PFHxDA) | 25.3 | ng/L | | 2.00 | 20 | | 126 | 50-150 | | | |
| Perfluorohexane sulfonic acid (PFHxS) | 24.2 | ng/L | 0.504 | 2.00 | 20 | | 121 | 65-145 | | | |
| Perfluorohexanesulfonamide (PFHxSA) | 17.0 | ng/L | 1.37 | 2.00 | 20 | | 85.0 | 50-150 | | | |
| Perfluorohexanoic acid (PFHxA) | 25.2 | ng/L | 0.307 | 2.00 | 20 | | 126 | 70-145 | | | |
| Perfluorononane sulfonic acid (PFNS) | 21.0 | ng/L | 0.504 | 2.00 | 20 | | 105 | 65-145 | | | |
| Perfluorononanoic acid (PFNA) | 23.6 | ng/L | 0.152 | 2.00 | 20 | | 118 | 70-150 | | | |
| Perfluorooctadecanoic acid (PFODA) | 21.9 | ng/L | | 2.00 | 20 | | 110 | 50-150 | | | |
| Perfluorooctane sulfonamide (PFOSAm) | 23.4 | ng/L | 0.722 | 2.00 | 20 | | 117 | 70-145 | | | |
| Perfluorooctane sulfonic acid (PFOS) | 23.7 | ng/L | 1.06 | 2.00 | 20 | | 118 | 55-150 | | | |
| Perfluorooctanoic acid (PFOA) | 19.7 | ng/L | 0.406 | 2.00 | 20 | | 98.3 | 70-150 | | | |
| Perfluoropentane sulfonic acid (PFPeS) | 24.0 | ng/L | 0.356 | 2.00 | 20 | | 120 | 65-140 | | | |
| Perfluorotetradecanoic acid (PFTDA) | 25.2 | ng/L | 0.336 | 2.00 | 20 | | 126 | 60-140 | | | |
| Perfluorotridecanoic acid (PFTrDA) | 20.9 | ng/L | 0.439 | 2.00 | 20 | | 105 | 65-140 | | | |
| Perfluoroundecanoic acid (PFUnDA) | 25.0 | ng/L | 0.217 | 2.00 | 20 | | 125 | 70-145 | | | |
| *Surr: 13C2-FtS 10:2* | ***39.3*** | *ng/L* | | | 50 | | 78.7 | *10-200* | | | |
| *Surr: 13C2-FtS 4:2* | ***90.3*** | *ng/L* | | | 100 | | 90.3 | *40-200* | | | |
| *Surr: 13C2-FtS 6:2* | ***83.2*** | *ng/L* | | | 100 | | 83.2 | *40-200* | | | |
| *Surr: 13C2-FtS 8:2* | ***150*** | *ng/L* | | | 100 | | 150 | *40-300* | | | |
| *Surr: 13C2-PFDoA* | ***24.8*** | *ng/L* | | | 25 | | 99.4 | *10-130* | | | |
| *Surr: 13C2-PFHxDA* | ***40.0*** | *ng/L* | | | 50 | | 80.0 | *10-299* | | | |

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4290780 |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2704452-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/12/26 23:16 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Surr: 13C2-PFTeDA* | ***22.3*** | *ng/L* | | | 25 | | 89.2 | *10-130* | | | |
| *Surr: 13C3-HFPO-DA* | ***189*** | *ng/L* | | | 200 | | 94.5 | *40-130* | | | |
| *Surr: 13C3-PFBS* | ***41.4*** | *ng/L* | | | 50 | | 82.8 | *40-135* | | | |
| *Surr: 13C3-PFHxS* | ***38.3*** | *ng/L* | | | 50 | | 76.7 | *40-130* | | | |
| *Surr: 13C4-PFBA* | ***182*** | *ng/L* | | | 200 | | 90.9 | *5-130* | | | |
| *Surr: 13C4-PFHpA* | ***52.0*** | *ng/L* | | | 50 | | 104 | *40-130* | | | |
| *Surr: 13C5-PFHxA* | ***45.6*** | *ng/L* | | | 50 | | 91.2 | *40-130* | | | |
| *Surr: 13C6-PFDA* | ***25.4*** | *ng/L* | | | 25 | | 102 | *40-130* | | | |
| *Surr: 13C7-PFUnDA* | ***23.4*** | *ng/L* | | | 25 | | 93.4 | *30-130* | | | |
| *Surr: 13C8-FOSA* | ***38.9*** | *ng/L* | | | 50 | | 77.7 | *40-130* | | | |
| *Surr: 13C8-PFOA* | ***48.2*** | *ng/L* | | | 50 | | 96.4 | *40-130* | | | |
| *Surr: 13C8-PFOS* | ***40.0*** | *ng/L* | | | 50 | | 80.0 | *40-130* | | | |
| *Surr: 13C9-PFNA* | ***23.0*** | *ng/L* | | | 25 | | 91.9 | *40-130* | | | |
| *Surr: d3-N-MeFOSA* | ***40.3*** | *ng/L* | | | 50 | | 80.6 | *10-130* | | | |
| *Surr: d3-N-MeFOSAA* | ***82.5*** | *ng/L* | | | 100 | | 82.5 | *40-170* | | | |
| *Surr: d5-N-EtFOSA* | ***42.5*** | *ng/L* | | | 50 | | 85.0 | *10-130* | | | |
| *Surr: d5-N-EtFOSAA* | ***83.3*** | *ng/L* | | | 100 | | 83.3 | *25-135* | | | |
| *Surr: d7-N-MeFOSE* | ***338*** | *ng/L* | | | 500 | | 67.7 | *10-130* | | | |
| *Surr: d9-N-EtFOSE* | ***323*** | *ng/L* | | | 500 | | 64.6 | *10-130* | | | |

**The following samples were analyzed in this batch:** HN2611761-009

| | | | |
|---|---|---|---|
| **Client:** | ALS Environmental | **Work Order:** | HN2611761 |
| **Project:** | 26G0071 | **Date Collected:** | NA |
| **Matrix:** | WATER | **Date Received:** | NA |
| **QC Lot:** | 2704452 | **Run ID:** | 4293789 |

## Per- and Polyfluorinated Alkyl Substances by LC-MS

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2704452-002**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/14/26 14:57 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | ND | ng/L | | | 200 | | | 65-130 | | | U |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | ng/L | | | 4 | | | 55-140 | | | U |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | ng/L | | | 4 | | | 60-150 | | | U |
| Perfluoropentanoic acid (PFPeA) | ND | ng/L | | | 4 | | | 65-135 | | | U |
| *Surr: 13C5-PFPeA* | *ND* | *ng/L* | | | 100 | | | *40-130* | | | U |

**LCS** | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2704452-003**

**Method:** EPA 1633A | **Dilution:** 1 | **Analysis Date:** 07/14/26 14:57 | **Prep Date:** 07/12/26 16:15

| Analyte | Result | Units | MDL | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | ND | ng/L | | | 400 | | | 65-130 | | | U |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | ng/L | | | 20 | | | 55-140 | | | U |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | ng/L | | | 20 | | | 60-150 | | | U |
| Perfluoropentanoic acid (PFPeA) | ND | ng/L | | | 20 | | | 65-135 | | | U |
| *Surr: 13C5-PFPeA* | *ND* | *ng/L* | | | 100 | | | *40-130* | | | U |

**The following samples were analyzed in this batch:** HN2611761-009