

# SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134  
Tel. (708) 544-3260 • Toll Free (800) 783-LABS  
Fax (708) 544-8587  
www.suburbanlabs.com

February 28, 2024

Sean Dorsey  
Village of Mount Prospect Drinking Water  
50 South Emerson Street  
Mount Prospect, IL 60056-2229

**Workorder: 2402C32**

TEL: (847) 392-6000  
FAX: (847) 253-9377  
RE: IL0311980 UCMR 5 SE2

Dear Sean Dorsey:

Suburban Laboratories, Inc. received 5 sample(s) on 2/15/2024 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Mary Wojdyla  
Project Manager  
(708) 544-3260  
mwojdyla@suburbanlabs.com





**Client:** Village of Mount Prospect Drinking Water

**Date:** February 28, 2024

**Project:** IL0311980 UCMR 5 SE2

**PO #:** 2017-00000096

**WorkOrder:** 2402C32

**QC Level:**

**Temperature of samples upon receipt at SLI:** C

**Chain of Custody #:**

**General Comments:**

- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.
- All radiological results are reported to the 95% confidence level.

**Abbreviations:**

- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS: (Surrogate Standard): Quality control compound added to the sample by the lab.
- LA: Lab Accident - No valid data to report.
- VO: Insufficient Volume provided
- BR: Received broken
- IP: Invalid Sampling

**Method References:**

For a complete list of method references please contact us.

- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

**Workorder Specific Comments:**

G = Samples subcontracted to ALS Environmental, Inc. for some of the analysis requested.



# Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

## Laboratory Results

**Client ID:** Village of Mount Prospect Drinking Water

**Report Date:** February 28, 2024

**Project Name:** IL0311980 UCMR 5 SE2

**Workorder:** 2402C32

**Client Sample ID:** CC08

**Matrix:** DRINKING WATER

**Lab ID:** 2402C32-001

**Date Received:** 02/15/2024 4:10 PM

**Collection Date:** 02/15/2024 8:05 AM

| Parameter                            | Result       | Report Limit | MCL     | Qual. | Units | Dilution Factor | Date Analyzed       | Batch ID |
|--------------------------------------|--------------|--------------|---------|-------|-------|-----------------|---------------------|----------|
| SUB-CONTRACTED                       |              |              | Method: |       |       | Analyst: MW     |                     |          |
| Perfluorooctane Sulfonic Acid (PFOS) | See Attached | 0            |         | G     |       | 1               | 02/25/2024 10:33 PM | R173682  |



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Village of Mount Prospect Drinking Water  
Project Name: IL0311980 UCMR 5 SE2

Report Date: February 28, 2024  
Workorder: 2402C32

Client Sample ID: CC08  
Lab ID: 2402C32-003  
Date Received: 02/15/2024 4:10 PM  
Matrix: DRINKING WATER  
Collection Date: 02/15/2024 8:04 AM

| Parameter                            | Result       | Report Limit | MCL     | Qual. | Units | Dilution Factor | Date Analyzed      | Batch ID |
|--------------------------------------|--------------|--------------|---------|-------|-------|-----------------|--------------------|----------|
| SUB-CONTRACTED                       |              |              | Method: |       |       | Analyst: MW     |                    |          |
| Perfluorooctane Sulfonic Acid (PFOS) | See Attached | 0            |         | G     |       | 1               | 02/23/2024 9:11 AM | R173682  |



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Village of Mount Prospect Drinking Water

Report Date: February 28, 2024

Project Name: IL0311980 UCMR 5 SE2

Workorder: 2402C32

Client Sample ID: CC08

Matrix: DRINKING WATER

Lab ID: 2402C32-005

Date Received: 02/15/2024 4:10 PM

Collection Date: 02/15/2024 8:07 AM

| Parameter      | Result | Report Limit | MCL     | Qual. | Units | Dilution Factor | Date Analyzed      | Batch ID |
|----------------|--------|--------------|---------|-------|-------|-----------------|--------------------|----------|
| UCMR 5 LITHIUM |        |              | Method: |       |       | Analyst: SCT    |                    |          |
| Lithium        | ND     | 5.00         |         |       | µg/L  | 1               | 02/19/2024 3:07 PM | 95658    |



## Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

## PREP DATES REPORT

**Client:** Village of Mount Prospect Drinking Water  
**Project:** IL0311980 UCMR 5 SE2

**Report Date:** February 28, 2024  
**Lab Order:** 2402C32

| Sample ID    | Collection Date      | Batch ID | Prep Test Name          | TCLP Date | Prep Date |
|--------------|----------------------|----------|-------------------------|-----------|-----------|
| 2402C32-005A | 2/15/2024 8:07:00 AM | 95658    | ICP Drinking Water Prep |           | 2/16/2024 |



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**Qualifiers:**

|      |                                                                                          |
|------|------------------------------------------------------------------------------------------|
| * /X | Value exceeds Maximum Contaminant Level                                                  |
| B    | Analyte detected in the associated Method Blank                                          |
| C    | Value is below Minimum Concentration Limit                                               |
| c    | Analyte not in TNI/NELAC scope of accreditation                                          |
| E    | Estimated, detected above quantitation range                                             |
| G    | Refer to case narrative page for specific comments                                       |
| H    | Holding times for preparation or analysis exceeded                                       |
| J    | Analyte detected below quantitation limit (QL)                                           |
| N    | Tentatively identified compounds                                                         |
| ND   | Not Detected at the Reporting Limit                                                      |
| P    | Present                                                                                  |
| Q    | Accreditation is not available from Wisconsin                                            |
| R    | RPD outside accepted recovery limits                                                     |
| S    | Spike Recovery outside accepted recovery limits                                          |
| T    | Analyte detected in sample trip blank                                                    |
| V    | EPA requires field analysis/filtration. Lab analysis would be considered past hold time. |
| WI   | This sample was ran at the Wisconsin Laboratory, WI DNR Certified #246179890             |



26-Feb-2024

Drinking Water  
Suburban Laboratories, Inc.  
1950 S. Batavia Ave  
Suite 150  
Geneva, IL 60134

Re: **IL0311980 Mount Prospect SE1**

Work Order: **24021358**

Dear Drinking,

ALS Environmental received 2 samples on 20-Feb-2024 for the analyses presented in the following report.

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.

The total number of pages in this report is 16.

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

Sincerely,

Electronically approved by: Alex J. Csaszar

Alex J. Csaszar  
Project Manager

### Report of Laboratory Analysis

Certificate No: IL: 200076

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Client: Suburban Laboratories, Inc.  
Project: IL0311980 Mount Prospect SE1  
Work Order: 24021358

Work Order Sample Summary

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u>              |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 24021358-01        | CC08                    | Source Water  |                   | 2/15/2024 08:05        | 2/20/2024 10:00      | <input type="checkbox"/> |
| 24021358-02        | CC08 FRB                | Source Water  | CC08              | 2/15/2024 08:04        | 2/20/2024 10:00      | <input type="checkbox"/> |

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**Client:** Suburban Laboratories, Inc.  
**Project:** IL0311980 Mount Prospect SE1  
**Work Order:** 24021358

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**Case Narrative**

The attached "Sample Receipt Checklist" documents the date of receipt, status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. A copy of the laboratory's scope of accreditation is available upon request.

Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting.

Any flags on MS/MSD samples not addressed in this narrative are unrelated to samples in this report.

All sample analyses achieved analytical criteria.

**Client:** Suburban Laboratories, Inc.  
**Project:** IL0311980 Mount Prospect SE1  
**WorkOrder:** 24021358

## QUALIFIERS, ACRONYMS, UNITS

| <u>Qualifier</u> | <u>Description</u>                                                                                                                                                  |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| *                | Value exceeds Regulatory Limit                                                                                                                                      |
| **               | Estimated Value                                                                                                                                                     |
| a                | Analyte is non-accredited                                                                                                                                           |
| B                | Analyte detected in the associated Method Blank above the Reporting Limit                                                                                           |
| E                | Value above quantitation range                                                                                                                                      |
| H                | Analyzed outside of Holding Time                                                                                                                                    |
| Hr               | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.                                                                                |
| J                | Analyte is present at an estimated concentration between the MDL and Report Limit                                                                                   |
| n                | Analyte accreditation is not offered                                                                                                                                |
| 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                                                                                                                             |
| 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. |

| <u>Acronym</u> | <u>Description</u>                  |
|----------------|-------------------------------------|
| DUP            | Method Duplicate                    |
| LCS            | Laboratory Control Sample           |
| LCSD           | Laboratory Control Sample Duplicate |
| LOD            | Limit of Detection (see MDL)        |
| LOQ            | Limit of Quantitation (see PQL)     |
| MBLK           | Method Blank                        |
| MDL            | Method Detection Limit              |
| MS             | Matrix Spike                        |
| MSD            | Matrix Spike Duplicate              |
| PQL            | Practical Quantitation Limit        |
| RPD            | Relative Percent Difference         |
| TDL            | Target Detection Limit              |
| TNTC           | Too Numerous To Count               |
| A              | APHA Standard Methods               |
| D              | ASTM                                |
| E              | EPA                                 |
| SW             | SW-846 Update III                   |

| <u>Units Reported</u> | <u>Description</u>   |
|-----------------------|----------------------|
| µg/L                  | Micrograms per Liter |

# ALS Group, USA

Date: 26-Feb-24

**Client:** Suburban Laboratories, Inc.  
**Project:** IL0311980 Mount Prospect SE1

**Work Order:** 24021358

**Lab ID:** 24021358-01A

**Collection Date:** 2/15/2024 8:05:00 AM

**Client Sample ID:** CC08

**Matrix:** SOURCE WATER

| Analyses                                      | Result | Qual | Report Limit  | Units | Dilution Factor            | Date Analyzed       |
|-----------------------------------------------|--------|------|---------------|-------|----------------------------|---------------------|
| <b>PFAS BY EPA 537.1</b>                      |        |      | <b>E537.1</b> |       | Prep: E537.1 2/21/24 14:33 | Analyst: <b>MGM</b> |
| N-Ethylperfluorooctanesulfonamidoacetic Acid  | ND     |      | 0.004         | µg/L  | 1                          | 2/23/2024 09:11 AM  |
| N-Methylperfluorooctanesulfonamidoacetic Acid | ND     |      | 0.005         | µg/L  | 1                          | 2/23/2024 09:11 AM  |
| Perfluorotetradecanoic Acid (PFTeA)           | ND     |      | 0.007         | µg/L  | 1                          | 2/23/2024 09:11 AM  |
| Perfluorotridecanoic Acid (PFTriA)            | ND     |      | 0.006         | µg/L  | 1                          | 2/23/2024 09:11 AM  |
| Surr: 13C2-PFDA                               | 112    |      | 70-130        | %REC  | 1                          | 2/23/2024 09:11 AM  |
| Surr: 13C2-PFHxA                              | 120    |      | 70-130        | %REC  | 1                          | 2/23/2024 09:11 AM  |
| Surr: 13C3-HFPO-DA                            | 112    |      | 70-130        | %REC  | 1                          | 2/23/2024 09:11 AM  |
| Surr: d5-N-EtFOSAA                            | 95.4   |      | 70-130        | %REC  | 1                          | 2/23/2024 09:11 AM  |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

Date: 26-Feb-24

**Client:** Suburban Laboratories, Inc.  
**Project:** IL0311980 Mount Prospect SE1

**Work Order:** 24021358

**Lab ID:** 24021358-01B

**Collection Date:** 2/15/2024 8:05:00 AM

**Client Sample ID:** CC08

**Matrix:** SOURCE WATER

| Analyses                                         | Result | Qual | Report Limit | Units                    | Dilution Factor | Date Analyzed       |
|--------------------------------------------------|--------|------|--------------|--------------------------|-----------------|---------------------|
| <b>PFAS BY EPA 533</b>                           |        |      | <b>E533</b>  | Prep: E533 2/22/24 15:33 |                 | Analyst: <b>MGM</b> |
| 11CI-Pf3OUdS                                     | ND     |      | 0.004        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| 9CI-PF3ONS                                       | ND     |      | 0.002        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| 4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)      | ND     |      | 0.003        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Hexafluoropropylene oxide dimer acid (HFPO-DA)   | ND     |      | 0.004        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)       | ND     |      | 0.02         | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA) | ND     |      | 0.003        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluoro-4-methoxybutanoic acid (PFMBA)         | ND     |      | 0.003        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluoro-3-methoxypropanoic acid (PFMPA)        | ND     |      | 0.004        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Fluorotelomer Sulphonic Acid 4:2 (FtS 4:2)       | ND     |      | 0.003        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)       | ND     |      | 0.004        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)       | ND     |      | 0.004        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluorobutanoic Acid (PFBA)                    | ND     |      | 0.004        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluorobutanesulfonic Acid (PFBS)              | ND     |      | 0.003        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluoropentanoic Acid (PFPeA)                  | ND     |      | 0.003        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluoropentanesulfonic Acid (PFPeS)            | ND     |      | 0.004        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluorohexanoic Acid (PFHxA)                   | ND     |      | 0.003        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluorohexanesulfonic Acid (PFHxS)             | ND     |      | 0.003        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluoroheptanoic Acid (PFHpA)                  | ND     |      | 0.003        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluoroheptanesulfonic Acid (PFHpS)            | ND     |      | 0.003        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluorooctanoic Acid (PFOA)                    | ND     |      | 0.004        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluorooctanesulfonic Acid (PFOS)              | ND     |      | 0.004        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluorononanoic Acid (PFNA)                    | ND     |      | 0.004        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluorodecanoic Acid (PFDA)                    | ND     |      | 0.003        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluorododecanoic Acid (PFDoA)                 | ND     |      | 0.003        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Perfluoroundecanoic Acid (PFUnA)                 | ND     |      | 0.002        | µg/L                     | 1               | 2/25/2024 10:33 PM  |
| Surr: 13C3-HFPO-DA                               | 64.6   |      | 50-200       | %REC                     | 1               | 2/25/2024 10:33 PM  |
| Surr: 13C2-4-2-FTS                               | 118    |      | 50-200       | %REC                     | 1               | 2/25/2024 10:33 PM  |
| Surr: 13C2-6-2-FTS                               | 113    |      | 50-200       | %REC                     | 1               | 2/25/2024 10:33 PM  |
| Surr: 13C2-8-2-FTS                               | 97.6   |      | 50-200       | %REC                     | 1               | 2/25/2024 10:33 PM  |
| Surr: 13C4-PFBA                                  | 90.4   |      | 50-200       | %REC                     | 1               | 2/25/2024 10:33 PM  |
| Surr: 13C3-PFBS                                  | 90.3   |      | 50-200       | %REC                     | 1               | 2/25/2024 10:33 PM  |
| Surr: 13C5-PFPeA                                 | 90.1   |      | 50-200       | %REC                     | 1               | 2/25/2024 10:33 PM  |
| Surr: 13C5-PFHxA                                 | 82.1   |      | 50-200       | %REC                     | 1               | 2/25/2024 10:33 PM  |
| Surr: 13C3-PFHxS                                 | 92.6   |      | 50-200       | %REC                     | 1               | 2/25/2024 10:33 PM  |
| Surr: 13C4-PFHpA                                 | 82.2   |      | 50-200       | %REC                     | 1               | 2/25/2024 10:33 PM  |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group, USA

Date: 26-Feb-24

**Client:** Suburban Laboratories, Inc.  
**Project:** IL0311980 Mount Prospect SE1

**Work Order:** 24021358

|                   |      |        |      |   |                    |
|-------------------|------|--------|------|---|--------------------|
| Surr: 13C8-PFOA   | 85.7 | 50-200 | %REC | 1 | 2/25/2024 10:33 PM |
| Surr: 13C8-PFOS   | 87.8 | 50-200 | %REC | 1 | 2/25/2024 10:33 PM |
| Surr: 13C9-PFNA   | 85.6 | 50-200 | %REC | 1 | 2/25/2024 10:33 PM |
| Surr: 13C6-PFDA   | 76.3 | 50-200 | %REC | 1 | 2/25/2024 10:33 PM |
| Surr: 13C2-PFDoA  | 74.1 | 50-200 | %REC | 1 | 2/25/2024 10:33 PM |
| Surr: 13C7-PFUnDA | 74.5 | 50-200 | %REC | 1 | 2/25/2024 10:33 PM |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** Suburban Laboratories, Inc.  
**Work Order:** 24021358  
**Project:** IL0311980 Mount Prospect SE1

**QC BATCH REPORT**

Batch ID: **235375** Instrument ID **LCMS3** Method: **E537.1**

| Sample ID: MBLK-235375-235375        |         |                        |         | Units: µg/L   |                 |               | Analysis Date: 2/23/2024 05:45 AM |      |           |      |
|--------------------------------------|---------|------------------------|---------|---------------|-----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID:                           |         | Run ID: LCMS3_240222A3 |         |               | SeqNo: 10508169 |               | Prep Date: 2/21/2024              |      | DF: 1     |      |
| Analyte                              | Result  | PQL                    | SPK Val | SPK Ref Value | %REC            | Control Limit | RPD Ref Value                     | %RPD | RPD Limit | Qual |
| N-Ethylperfluorooctanesulfonamidoac  | ND      | 0.0050                 |         |               |                 |               |                                   |      |           |      |
| N-Methylperfluorooctanesulfonamidoac | ND      | 0.0060                 |         |               |                 |               |                                   |      |           |      |
| Perfluorotetradecanoic Acid (PFTeA)  | ND      | 0.0080                 |         |               |                 |               |                                   |      |           |      |
| Perfluorotridecanoic Acid (PFTriA)   | ND      | 0.0070                 |         |               |                 |               |                                   |      |           |      |
| Surr: 13C2-PFDA                      | 0.04475 | 0                      | 0.04    | 0             | 112             | 70-130        |                                   | 0    |           |      |
| Surr: 13C2-PFHxA                     | 0.04506 | 0                      | 0.04    | 0             | 113             | 70-130        |                                   | 0    |           |      |
| Surr: 13C3-HFPO-DA                   | 0.04256 | 0                      | 0.04    | 0             | 106             | 70-130        |                                   | 0    |           |      |
| Surr: d5-N-EtFOSAA                   | 0.1575  | 0                      | 0.16    | 0             | 98.4            | 70-130        |                                   | 0    |           |      |

| MS                                   |          |        |                        |               | Sample ID: 24021356-01A MS |                 | Units: µg/L   |                      | Analysis Date: 2/23/2024 08:30 AM |       |  |
|--------------------------------------|----------|--------|------------------------|---------------|----------------------------|-----------------|---------------|----------------------|-----------------------------------|-------|--|
| Client ID:                           |          |        | Run ID: LCMS3_240222A3 |               |                            | SeqNo: 10508181 |               | Prep Date: 2/21/2024 |                                   | DF: 1 |  |
| Analyte                              | Result   | PQL    | SPK Val                | SPK Ref Value | %REC                       | Control Limit   | RPD Ref Value | %RPD                 | RPD Limit                         | Qual  |  |
| N-Ethylperfluorooctanesulfonamidoac  | 0.001391 | 0.0050 | 0.001803               | 0.0000875     | 72.3                       | 50-150          |               | 0                    |                                   | J     |  |
| N-Methylperfluorooctanesulfonamidoac | 0.001378 | 0.0050 | 0.001803               | 0.00005675    | 73.3                       | 50-150          |               | 0                    |                                   | J     |  |
| Perfluorotetradecanoic Acid (PFTeA)  | 0.001428 | 0.0070 | 0.001803               | 0.0002146     | 67.3                       | 50-150          |               | 0                    |                                   | J     |  |
| Perfluorotridecanoic Acid (PFTriA)   | 0.00141  | 0.0060 | 0.001803               | 0.0002032     | 66.9                       | 50-150          |               | 0                    |                                   | J     |  |
| Surr: 13C2-PFDA                      | 0.03886  | 0      | 0.03606                | 0             | 108                        | 70-130          |               | 0                    |                                   |       |  |
| Surr: 13C2-PFHxA                     | 0.04059  | 0      | 0.03606                | 0             | 113                        | 70-130          |               | 0                    |                                   |       |  |
| Surr: 13C3-HFPO-DA                   | 0.03645  | 0      | 0.03606                | 0             | 101                        | 70-130          |               | 0                    |                                   |       |  |
| Surr: d5-N-EtFOSAA                   | 0.122    | 0      | 0.1442                 | 0             | 84.6                       | 70-130          |               | 0                    |                                   |       |  |

| MSD                                  |          |        |                        |               | Sample ID: 24021356-01A MSD |                 | Units: µg/L   |                      | Analysis Date: 2/23/2024 06:26 AM |       |  |
|--------------------------------------|----------|--------|------------------------|---------------|-----------------------------|-----------------|---------------|----------------------|-----------------------------------|-------|--|
| Client ID:                           |          |        | Run ID: LCMS3_240222A3 |               |                             | SeqNo: 10508172 |               | Prep Date: 2/21/2024 |                                   | DF: 1 |  |
| Analyte                              | Result   | PQL    | SPK Val                | SPK Ref Value | %REC                        | Control Limit   | RPD Ref Value | %RPD                 | RPD Limit                         | Qual  |  |
| N-Ethylperfluorooctanesulfonamidoac  | 0.001403 | 0.0050 | 0.001811               | 0.0000875     | 72.6                        | 50-150          | 0.001391      | 0                    | 50                                | J     |  |
| N-Methylperfluorooctanesulfonamidoac | 0.001343 | 0.0050 | 0.001811               | 0.00005675    | 71                          | 50-150          | 0.001378      | 0                    | 50                                | J     |  |
| Perfluorotetradecanoic Acid (PFTeA)  | 0.001241 | 0.0070 | 0.001811               | 0.0002146     | 56.7                        | 50-150          | 0.001428      | 0                    | 50                                | J     |  |
| Perfluorotridecanoic Acid (PFTriA)   | 0.001285 | 0.0060 | 0.001811               | 0.0002032     | 59.7                        | 50-150          | 0.00141       | 0                    | 50                                | J     |  |
| Surr: 13C2-PFDA                      | 0.03545  | 0      | 0.03621                | 0             | 97.9                        | 70-130          | 0.03886       | 9.16                 | 50                                |       |  |
| Surr: 13C2-PFHxA                     | 0.03872  | 0      | 0.03621                | 0             | 107                         | 70-130          | 0.04059       | 4.72                 | 50                                |       |  |
| Surr: 13C3-HFPO-DA                   | 0.03568  | 0      | 0.03621                | 0             | 98.5                        | 70-130          | 0.03645       | 2.14                 | 50                                |       |  |
| Surr: d5-N-EtFOSAA                   | 0.121    | 0      | 0.1449                 | 0             | 83.5                        | 70-130          | 0.122         | 0.821                | 50                                |       |  |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Suburban Laboratories, Inc.  
Work Order: 24021358  
Project: IL0311980 Mount Prospect SE1

QC BATCH REPORT

Batch ID: 235375 Instrument ID LCMS3 Method: E537.1

|                                      |          |                              |         |               |      |                 |               |                                   |           |       |
|--------------------------------------|----------|------------------------------|---------|---------------|------|-----------------|---------------|-----------------------------------|-----------|-------|
| LCS1                                 |          | Sample ID: LCS-235375-235375 |         |               |      | Units: µg/L     |               | Analysis Date: 2/23/2024 05:59 AM |           |       |
| Client ID:                           |          | Run ID: LCMS3_240222A3       |         |               |      | SeqNo: 10508170 |               | Prep Date: 2/21/2024              |           | DF: 1 |
| Analyte                              | Result   | PQL                          | SPK Val | SPK Ref Value | %REC | Control Limit   | RPD Ref Value | %RPD                              | RPD Limit | Qual  |
| N-Ethylperfluorooctanesulfonamidoace | 0.001783 | 0.0050                       | 0.002   | 0             | 89.2 | 50-150          | 0             |                                   |           | J     |
| N-Methylperfluorooctanesulfonamidoa  | 0.001662 | 0.0060                       | 0.002   | 0             | 83.1 | 50-150          | 0             |                                   |           | J     |
| Perfluorotetradecanoic Acid (PFTeA)  | 0.001585 | 0.0080                       | 0.002   | 0             | 79.3 | 50-150          | 0             |                                   |           | J     |
| Perfluorotridecanoic Acid (PFTriA)   | 0.001436 | 0.0070                       | 0.002   | 0             | 71.8 | 50-150          | 0             |                                   |           | J     |
| Surr: 13C2-PFDA                      | 0.04769  | 0                            | 0.04    | 0             | 119  | 70-130          | 0             |                                   |           |       |
| Surr: 13C2-PFHxA                     | 0.0456   | 0                            | 0.04    | 0             | 114  | 70-130          | 0             |                                   |           |       |
| Surr: 13C3-HFPO-DA                   | 0.04466  | 0                            | 0.04    | 0             | 112  | 70-130          | 0             |                                   |           |       |
| Surr: d5-N-EtFOSAA                   | 0.1682   | 0                            | 0.16    | 0             | 105  | 70-130          | 0             |                                   |           |       |

The following samples were analyzed in this batch: 24021358-01A 24021358-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Suburban Laboratories, Inc.  
Work Order: 24021358  
Project: IL0311980 Mount Prospect SE1

QC BATCH REPORT

Batch ID: 235458 Instrument ID LCMS3 Method: E533

| Sample ID: MBLK-235458-235458          |         |                       |         |               | Units: µg/L     |               | Analysis Date: 2/25/2024 06:12 PM |      |           |      |
|----------------------------------------|---------|-----------------------|---------|---------------|-----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID:                             |         | Run ID: LCMS3_240225A |         |               | SeqNo: 10511915 |               | Prep Date: 2/22/2024              |      | DF: 1     |      |
| Analyte                                | Result  | PQL                   | SPK Val | SPK Ref Value | %REC            | Control Limit | RPD Ref Value                     | %RPD | RPD Limit | Qual |
| 11CI-Pf3OUdS                           | ND      | 0.0050                |         |               |                 |               |                                   |      |           |      |
| 9CI-PF3ONS                             | ND      | 0.0020                |         |               |                 |               |                                   |      |           |      |
| 4,8-Dioxa-3H-perfluorononanoic Acid (  | ND      | 0.0030                |         |               |                 |               |                                   |      |           |      |
| Hexafluoropropylene oxide dimer acid   | ND      | 0.0050                |         |               |                 |               |                                   |      |           |      |
| Nonafluoro-3,6-dioxaheptanoic acid (N  | ND      | 0.020                 |         |               |                 |               |                                   |      |           |      |
| Perfluoro(2-ethoxyethane)sulfonic acid | ND      | 0.0030                |         |               |                 |               |                                   |      |           |      |
| Perfluoro-4-methoxybutanoic acid (PFI  | ND      | 0.0030                |         |               |                 |               |                                   |      |           |      |
| Perfluoro-3-methoxypropanoic acid (PI  | ND      | 0.0040                |         |               |                 |               |                                   |      |           |      |
| Fluorotelomer Sulphonic Acid 4:2 (FtS  | ND      | 0.0030                |         |               |                 |               |                                   |      |           |      |
| Fluorotelomer Sulphonic Acid 6:2 (FtS  | ND      | 0.0050                |         |               |                 |               |                                   |      |           |      |
| Fluorotelomer Sulphonic Acid 8:2 (FtS  | ND      | 0.0050                |         |               |                 |               |                                   |      |           |      |
| Perfluorobutanoic Acid (PFBA)          | ND      | 0.0050                |         |               |                 |               |                                   |      |           |      |
| Perfluorobutanesulfonic Acid (PFBS)    | ND      | 0.0030                |         |               |                 |               |                                   |      |           |      |
| Perfluoropentanoic Acid (PFPeA)        | ND      | 0.0030                |         |               |                 |               |                                   |      |           |      |
| Perfluoropentanesulfonic Acid (PFPeS   | ND      | 0.0040                |         |               |                 |               |                                   |      |           |      |
| Perfluorohexanoic Acid (PFHxA)         | ND      | 0.0030                |         |               |                 |               |                                   |      |           |      |
| Perfluorohexanesulfonic Acid (PFHxS)   | ND      | 0.0030                |         |               |                 |               |                                   |      |           |      |
| Perfluoroheptanoic Acid (PFHpA)        | ND      | 0.0030                |         |               |                 |               |                                   |      |           |      |
| Perfluoroheptanesulfonic Acid (PFHpS   | ND      | 0.0030                |         |               |                 |               |                                   |      |           |      |
| Perfluorooctanoic Acid (PFOA)          | ND      | 0.0040                |         |               |                 |               |                                   |      |           |      |
| Perfluorooctanesulfonic Acid (PFOS)    | ND      | 0.0040                |         |               |                 |               |                                   |      |           |      |
| Perfluorononanoic Acid (PFNA)          | ND      | 0.0040                |         |               |                 |               |                                   |      |           |      |
| Perfluorodecanoic Acid (PFDA)          | ND      | 0.0030                |         |               |                 |               |                                   |      |           |      |
| Perfluorododecanoic Acid (PFDoA)       | ND      | 0.0030                |         |               |                 |               |                                   |      |           |      |
| Perfluoroundecanoic Acid (PFUnA)       | ND      | 0.0020                |         |               |                 |               |                                   |      |           |      |
| Surr: 13C3-HFPO-DA                     | 0.03139 | 0                     | 0.04    | 0             | 78.5            | 50-200        |                                   | 0    |           |      |
| Surr: 13C2-4-2-FTS                     | 0.1663  | 0                     | 0.1504  | 0             | 111             | 50-200        |                                   | 0    |           |      |
| Surr: 13C2-6-2-FTS                     | 0.184   | 0                     | 0.152   | 0             | 121             | 50-200        |                                   | 0    |           |      |
| Surr: 13C2-8-2-FTS                     | 0.1543  | 0                     | 0.1536  | 0             | 100             | 50-200        |                                   | 0    |           |      |
| Surr: 13C4-PFBA                        | 0.03865 | 0                     | 0.04    | 0             | 96.6            | 50-200        |                                   | 0    |           |      |
| Surr: 13C3-PFBS                        | 0.03651 | 0                     | 0.0373  | 0             | 97.9            | 50-200        |                                   | 0    |           |      |
| Surr: 13C5-PFPeA                       | 0.03946 | 0                     | 0.04    | 0             | 98.6            | 50-200        |                                   | 0    |           |      |
| Surr: 13C5-PFHxA                       | 0.03829 | 0                     | 0.04    | 0             | 95.7            | 50-200        |                                   | 0    |           |      |
| Surr: 13C3-PFHxS                       | 0.03704 | 0                     | 0.0379  | 0             | 97.7            | 50-200        |                                   | 0    |           |      |
| Surr: 13C4-PFHpA                       | 0.03635 | 0                     | 0.04    | 0             | 90.9            | 50-200        |                                   | 0    |           |      |
| Surr: 13C8-PFOA                        | 0.03657 | 0                     | 0.04    | 0             | 91.4            | 50-200        |                                   | 0    |           |      |
| Surr: 13C8-PFOS                        | 0.0367  | 0                     | 0.0383  | 0             | 95.8            | 50-200        |                                   | 0    |           |      |
| Surr: 13C9-PFNA                        | 0.03622 | 0                     | 0.04    | 0             | 90.6            | 50-200        |                                   | 0    |           |      |
| Surr: 13C6-PFDA                        | 0.03452 | 0                     | 0.04    | 0             | 86.3            | 50-200        |                                   | 0    |           |      |
| Surr: 13C2-PFDoA                       | 0.03344 | 0                     | 0.04    | 0             | 83.6            | 50-200        |                                   | 0    |           |      |
| Surr: 13C7-PFUnDA                      | 0.03467 | 0                     | 0.04    | 0             | 86.7            | 50-200        |                                   | 0    |           |      |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Suburban Laboratories, Inc.  
**Work Order:** 24021358  
**Project:** IL0311980 Mount Prospect SE1

## QC BATCH REPORT

Batch ID: **235458** Instrument ID **LCMS3** Method: **E533**

| LCS                                    |          |                       |         | Sample ID: LCS-235458-235458 |                 |               | Units: µg/L          |      | Analysis Date: 2/25/2024 06:26 PM |      |  |
|----------------------------------------|----------|-----------------------|---------|------------------------------|-----------------|---------------|----------------------|------|-----------------------------------|------|--|
| Client ID:                             |          | Run ID: LCMS3_240225A |         |                              | SeqNo: 10511916 |               | Prep Date: 2/22/2024 |      | DF: 1                             |      |  |
| Analyte                                | Result   | PQL                   | SPK Val | SPK Ref Value                | %REC            | Control Limit | RPD Ref Value        | %RPD | RPD Limit                         | Qual |  |
| 11CI-Pf3OUdS                           | 0.001628 | 0.0050                | 0.00189 | 0                            | 86.1            | 50-150        | 0                    |      |                                   | J    |  |
| 9CI-PF3ONS                             | 0.001837 | 0.0020                | 0.00187 | 0                            | 98.2            | 50-150        | 0                    |      |                                   | J    |  |
| 4,8-Dioxa-3H-perfluorononanoic Acid (  | 0.001813 | 0.0030                | 0.00189 | 0                            | 95.9            | 50-150        | 0                    |      |                                   | J    |  |
| Hexafluoropropylene oxide dimer acid   | 0.00211  | 0.0050                | 0.002   | 0                            | 105             | 50-150        | 0                    |      |                                   | J    |  |
| Nonafluoro-3,6-dioxaheptanoic acid (N  | 0.001957 | 0.020                 | 0.002   | 0                            | 97.9            | 50-150        | 0                    |      |                                   | J    |  |
| Perfluoro(2-ethoxyethane)sulfonic acid | 0.001846 | 0.0030                | 0.00178 | 0                            | 104             | 50-150        | 0                    |      |                                   | J    |  |
| Perfluoro-4-methoxybutanoic acid (PFI  | 0.001786 | 0.0030                | 0.002   | 0                            | 89.3            | 50-150        | 0                    |      |                                   | J    |  |
| Perfluoro-3-methoxypropanoic acid (PI  | 0.002002 | 0.0040                | 0.002   | 0                            | 100             | 50-150        | 0                    |      |                                   | J    |  |
| Fluorotelomer Sulphonic Acid 4:2 (FtS  | 0.002142 | 0.0030                | 0.00188 | 0                            | 114             | 50-150        | 0                    |      |                                   | J    |  |
| Fluorotelomer Sulphonic Acid 6:2 (FtS  | 0.002278 | 0.0050                | 0.0019  | 0                            | 120             | 50-150        | 0                    |      |                                   | J    |  |
| Fluorotelomer Sulphonic Acid 8:2 (FtS  | 0.00181  | 0.0050                | 0.00192 | 0                            | 94.2            | 50-150        | 0                    |      |                                   | J    |  |
| Perfluorobutanoic Acid (PFBA)          | 0.002139 | 0.0050                | 0.002   | 0                            | 107             | 50-150        | 0                    |      |                                   | J    |  |
| Perfluorobutanesulfonic Acid (PFBS)    | 0.001718 | 0.0030                | 0.00178 | 0                            | 96.5            | 50-150        | 0                    |      |                                   | J    |  |
| Perfluoropentanoic Acid (PFPeA)        | 0.002053 | 0.0030                | 0.002   | 0                            | 103             | 50-150        | 0                    |      |                                   | J    |  |
| Perfluoropentanesulfonic Acid (PFPeS   | 0.002019 | 0.0040                | 0.00188 | 0                            | 107             | 50-150        | 0                    |      |                                   | J    |  |
| Perfluorohexanoic Acid (PFHxA)         | 0.002005 | 0.0030                | 0.002   | 0                            | 100             | 50-150        | 0                    |      |                                   | J    |  |
| Perfluorohexanesulfonic Acid (PFHxS)   | 0.001855 | 0.0030                | 0.00183 | 0                            | 101             | 50-150        | 0                    |      |                                   | J    |  |
| Perfluoroheptanoic Acid (PFHpA)        | 0.002136 | 0.0030                | 0.002   | 0                            | 107             | 50-150        | 0                    |      |                                   | J    |  |
| Perfluoroheptanesulfonic Acid (PFHpS   | 0.00205  | 0.0030                | 0.00191 | 0                            | 107             | 50-150        | 0                    |      |                                   | J    |  |
| Perfluorooctanoic Acid (PFOA)          | 0.001983 | 0.0040                | 0.002   | 0                            | 99.1            | 50-150        | 0                    |      |                                   | J    |  |
| Perfluorooctanesulfonic Acid (PFOS)    | 0.001481 | 0.0040                | 0.00186 | 0                            | 79.6            | 50-150        | 0                    |      |                                   | J    |  |
| Perfluorononanoic Acid (PFNA)          | 0.002142 | 0.0040                | 0.002   | 0                            | 107             | 50-150        | 0                    |      |                                   | J    |  |
| Perfluorodecanoic Acid (PFDA)          | 0.002146 | 0.0030                | 0.002   | 0                            | 107             | 50-150        | 0                    |      |                                   | J    |  |
| Perfluorododecanoic Acid (PFDoA)       | 0.002056 | 0.0030                | 0.002   | 0                            | 103             | 50-150        | 0                    |      |                                   | J    |  |
| Perfluoroundecanoic Acid (PFUnA)       | 0.001975 | 0.0020                | 0.002   | 0                            | 98.8            | 50-150        | 0                    |      |                                   | J    |  |
| Surr: 13C3-HFPO-DA                     | 0.02904  | 0                     | 0.04    | 0                            | 72.6            | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C2-4-2-FTS                     | 0.1752   | 0                     | 0.1504  | 0                            | 117             | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C2-6-2-FTS                     | 0.1824   | 0                     | 0.152   | 0                            | 120             | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C2-8-2-FTS                     | 0.1569   | 0                     | 0.1536  | 0                            | 102             | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C4-PFBA                        | 0.03756  | 0                     | 0.04    | 0                            | 93.9            | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C3-PFBS                        | 0.03581  | 0                     | 0.0373  | 0                            | 96              | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C5-PFPeA                       | 0.03793  | 0                     | 0.04    | 0                            | 94.8            | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C5-PFHxA                       | 0.03542  | 0                     | 0.04    | 0                            | 88.5            | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C3-PFHxS                       | 0.03661  | 0                     | 0.0379  | 0                            | 96.6            | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C4-PFHpA                       | 0.03578  | 0                     | 0.04    | 0                            | 89.4            | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C8-PFOA                        | 0.03721  | 0                     | 0.04    | 0                            | 93              | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C8-PFOS                        | 0.03752  | 0                     | 0.0383  | 0                            | 98              | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C9-PFNA                        | 0.03622  | 0                     | 0.04    | 0                            | 90.5            | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C6-PFDA                        | 0.03515  | 0                     | 0.04    | 0                            | 87.9            | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C2-PFDoA                       | 0.03413  | 0                     | 0.04    | 0                            | 85.3            | 50-200        | 0                    |      |                                   |      |  |
| Surr: 13C7-PFUnDA                      | 0.03416  | 0                     | 0.04    | 0                            | 85.4            | 50-200        | 0                    |      |                                   |      |  |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Suburban Laboratories, Inc.  
**Work Order:** 24021358  
**Project:** IL0311980 Mount Prospect SE1

## QC BATCH REPORT

Batch ID: **235458** Instrument ID **LCMS3** Method: **E533**

| MS                                     |          |        |          | Sample ID: <b>24021407-01A MS</b> |      |               | Units: <b>µg/L</b>     |      | Analysis Date: <b>2/25/2024 06:40 PM</b> |      |
|----------------------------------------|----------|--------|----------|-----------------------------------|------|---------------|------------------------|------|------------------------------------------|------|
| Client ID:                             |          |        |          | Run ID: <b>LCMS3_240225A</b>      |      |               | SeqNo: <b>10511917</b> |      | Prep Date: <b>2/22/2024</b>              |      |
|                                        |          |        |          |                                   |      |               | DF: <b>1</b>           |      |                                          |      |
| Analyte                                | Result   | PQL    | SPK Val  | SPK Ref Value                     | %REC | Control Limit | RPD Ref Value          | %RPD | RPD Limit                                | Qual |
| 11CI-Pf3OUdS                           | 0.001455 | 0.0050 | 0.00171  | 0                                 | 85.1 | 50-150        | 0                      |      |                                          | J    |
| 9CI-PF3ONS                             | 0.001486 | 0.0020 | 0.001692 | 0                                 | 87.8 | 50-150        | 0                      |      |                                          | J    |
| 4,8-Dioxa-3H-perfluorononanoic Acid (  | 0.001571 | 0.0030 | 0.00171  | 0                                 | 91.9 | 50-150        | 0                      |      |                                          | J    |
| Hexafluoropropylene oxide dimer acid   | 0.002117 | 0.0050 | 0.00181  | 0                                 | 117  | 50-150        | 0                      |      |                                          | J    |
| Nonafluoro-3,6-dioxaheptanoic acid (N  | 0.001763 | 0.020  | 0.00181  | 0.00006084                        | 94   | 50-150        | 0                      |      |                                          | J    |
| Perfluoro(2-ethoxyethane)sulfonic acid | 0.001694 | 0.0030 | 0.001611 | 0                                 | 105  | 50-150        | 0                      |      |                                          | J    |
| Perfluoro-4-methoxybutanoic acid (PFI  | 0.001702 | 0.0030 | 0.00181  | 0                                 | 94   | 50-150        | 0                      |      |                                          | J    |
| Perfluoro-3-methoxypropanoic acid (PI  | 0.001912 | 0.0040 | 0.00181  | 0.00008365                        | 101  | 50-150        | 0                      |      |                                          | J    |
| Fluorotelomer Sulphonic Acid 4:2 (FtS  | 0.001388 | 0.0030 | 0.001701 | 0                                 | 81.6 | 50-150        | 0                      |      |                                          | J    |
| Fluorotelomer Sulphonic Acid 6:2 (FtS  | 0.001459 | 0.0050 | 0.001719 | 0.00008257                        | 80   | 50-150        | 0                      |      |                                          | J    |
| Fluorotelomer Sulphonic Acid 8:2 (FtS  | 0.001739 | 0.0050 | 0.001738 | 0                                 | 100  | 50-150        | 0                      |      |                                          | J    |
| Perfluorobutanoic Acid (PFBA)          | 0.008268 | 0.0050 | 0.00181  | 0.006258                          | 111  | 50-150        | 0                      |      |                                          |      |
| Perfluorobutanesulfonic Acid (PFBS)    | 0.003685 | 0.0030 | 0.001611 | 0.002148                          | 95.4 | 50-150        | 0                      |      |                                          |      |
| Perfluoropentanoic Acid (PFPeA)        | 0.008294 | 0.0030 | 0.00181  | 0.006794                          | 82.9 | 50-150        | 0                      |      |                                          |      |
| Perfluoropentanesulfonic Acid (PFPeS   | 0.001723 | 0.0040 | 0.001701 | 0.00006011                        | 97.7 | 50-150        | 0                      |      |                                          | J    |
| Perfluorohexanoic Acid (PFHxA)         | 0.007074 | 0.0030 | 0.00181  | 0.005018                          | 114  | 50-150        | 0                      |      |                                          |      |
| Perfluorohexanesulfonic Acid (PFHxS)   | 0.001843 | 0.0030 | 0.001656 | 0.0003589                         | 89.6 | 50-150        | 0                      |      |                                          | J    |
| Perfluoroheptanoic Acid (PFHpA)        | 0.002474 | 0.0030 | 0.00181  | 0.0007033                         | 97.8 | 50-150        | 0                      |      |                                          | J    |
| Perfluoroheptanesulfonic Acid (PFHpS   | 0.001858 | 0.0030 | 0.001729 | 0                                 | 107  | 50-150        | 0                      |      |                                          | J    |
| Perfluorooctanoic Acid (PFOA)          | 0.002485 | 0.0040 | 0.00181  | 0.001282                          | 66.5 | 50-150        | 0                      |      |                                          | J    |
| Perfluorooctanesulfonic Acid (PFOS)    | 0.002226 | 0.0040 | 0.001683 | 0.0006207                         | 95.4 | 50-150        | 0                      |      |                                          | J    |
| Perfluorononanoic Acid (PFNA)          | 0.001787 | 0.0040 | 0.00181  | 0.000222                          | 86.5 | 50-150        | 0                      |      |                                          | J    |
| Perfluorodecanoic Acid (PFDA)          | 0.00175  | 0.0030 | 0.00181  | 0.00004635                        | 94.1 | 50-150        | 0                      |      |                                          | J    |
| Perfluorododecanoic Acid (PFDoA)       | 0.001799 | 0.0030 | 0.00181  | 0.00004744                        | 96.8 | 50-150        | 0                      |      |                                          | J    |
| Perfluoroundecanoic Acid (PFUnA)       | 0.00181  | 0.0020 | 0.00181  | 0                                 | 100  | 50-150        | 0                      |      |                                          | J    |
| Surr: 13C3-HFPO-DA                     | 0.02569  | 0      | 0.0362   | 0                                 | 71   | 50-200        | 0                      |      |                                          |      |
| Surr: 13C2-4-2-FTS                     | 0.1883   | 0      | 0.1361   | 0                                 | 138  | 50-200        | 0                      |      |                                          |      |
| Surr: 13C2-6-2-FTS                     | 0.184    | 0      | 0.1376   | 0                                 | 134  | 50-200        | 0                      |      |                                          |      |
| Surr: 13C2-8-2-FTS                     | 0.1419   | 0      | 0.139    | 0                                 | 102  | 50-200        | 0                      |      |                                          |      |
| Surr: 13C4-PFBA                        | 0.03555  | 0      | 0.0362   | 0                                 | 98.2 | 50-200        | 0                      |      |                                          |      |
| Surr: 13C3-PFBS                        | 0.03243  | 0      | 0.03376  | 0                                 | 96.1 | 50-200        | 0                      |      |                                          |      |
| Surr: 13C5-PFPeA                       | 0.0353   | 0      | 0.0362   | 0                                 | 97.5 | 50-200        | 0                      |      |                                          |      |
| Surr: 13C5-PFHxA                       | 0.03334  | 0      | 0.0362   | 0                                 | 92.1 | 50-200        | 0                      |      |                                          |      |
| Surr: 13C3-PFHxS                       | 0.03335  | 0      | 0.0343   | 0                                 | 97.2 | 50-200        | 0                      |      |                                          |      |
| Surr: 13C4-PFHpA                       | 0.03218  | 0      | 0.0362   | 0                                 | 88.9 | 50-200        | 0                      |      |                                          |      |
| Surr: 13C8-PFOA                        | 0.03604  | 0      | 0.0362   | 0                                 | 99.6 | 50-200        | 0                      |      |                                          |      |
| Surr: 13C8-PFOS                        | 0.03327  | 0      | 0.03466  | 0                                 | 96   | 50-200        | 0                      |      |                                          |      |
| Surr: 13C9-PFNA                        | 0.03461  | 0      | 0.0362   | 0                                 | 95.6 | 50-200        | 0                      |      |                                          |      |
| Surr: 13C6-PFDA                        | 0.0335   | 0      | 0.0362   | 0                                 | 92.5 | 50-200        | 0                      |      |                                          |      |
| Surr: 13C2-PFDoA                       | 0.03203  | 0      | 0.0362   | 0                                 | 88.5 | 50-200        | 0                      |      |                                          |      |
| Surr: 13C7-PFUnDA                      | 0.03329  | 0      | 0.0362   | 0                                 | 92   | 50-200        | 0                      |      |                                          |      |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Suburban Laboratories, Inc.  
**Work Order:** 24021358  
**Project:** IL0311980 Mount Prospect SE1

## QC BATCH REPORT

Batch ID: **235458** Instrument ID **LCMS3** Method: **E533**

| MSD                                    |           |        |                       |               | Sample ID: 24021407-01A MSD |                 | Units: µg/L   |                      | Analysis Date: 2/25/2024 06:54 PM |       |  |
|----------------------------------------|-----------|--------|-----------------------|---------------|-----------------------------|-----------------|---------------|----------------------|-----------------------------------|-------|--|
| Client ID:                             |           |        | Run ID: LCMS3_240225A |               |                             | SeqNo: 10511918 |               | Prep Date: 2/22/2024 |                                   | DF: 1 |  |
| Analyte                                | Result    | PQL    | SPK Val               | SPK Ref Value | %REC                        | Control Limit   | RPD Ref Value | %RPD                 | RPD Limit                         | Qual  |  |
| 11CI-Pf3OUdS                           | 0.001304  | 0.0040 | 0.00165               | 0             | 79                          | 50-150          | 0.001455      | 0                    | 50                                | J     |  |
| 9CI-PF3ONS                             | 0.001551  | 0.0020 | 0.001633              | 0             | 95                          | 50-150          | 0.001486      | 0                    | 50                                | J     |  |
| 4,8-Dioxa-3H-perfluorononanoic Acid (  | 0.001377  | 0.0030 | 0.00165               | 0             | 83.4                        | 50-150          | 0.001571      | 0                    | 50                                | J     |  |
| Hexafluoropropylene oxide dimer acid   | 0.001263  | 0.0040 | 0.001746              | 0             | 72.3                        | 50-150          | 0.002117      | 0                    | 50                                | J     |  |
| Nonafluoro-3,6-dioxaheptanoic acid (N  | 0.001833  | 0.020  | 0.001746              | 0.00006084    | 101                         | 50-150          | 0.001763      | 0                    | 50                                | J     |  |
| Perfluoro(2-ethoxyethane)sulfonic acid | 0.001405  | 0.0030 | 0.001554              | 0             | 90.4                        | 50-150          | 0.001694      | 0                    | 50                                | J     |  |
| Perfluoro-4-methoxybutanoic acid (PFI  | 0.001459  | 0.0030 | 0.001746              | 0             | 83.6                        | 50-150          | 0.001702      | 0                    | 50                                | J     |  |
| Perfluoro-3-methoxypropanoic acid (PI  | 0.001645  | 0.0030 | 0.001746              | 0.00008365    | 89.4                        | 50-150          | 0.001912      | 0                    | 50                                | J     |  |
| Fluorotelomer Sulphonic Acid 4:2 (FtS  | 0.001127  | 0.0030 | 0.001642              | 0             | 68.7                        | 50-150          | 0.001388      | 0                    | 50                                | J     |  |
| Fluorotelomer Sulphonic Acid 6:2 (FtS  | 0.0016    | 0.0040 | 0.001659              | 0.00008257    | 91.5                        | 50-150          | 0.001459      | 0                    | 50                                | J     |  |
| Fluorotelomer Sulphonic Acid 8:2 (FtS  | 0.0009395 | 0.0040 | 0.001676              | 0             | 56                          | 50-150          | 0.001739      | 0                    | 50                                | J     |  |
| Perfluorobutanoic Acid (PFBA)          | 0.007652  | 0.0040 | 0.001746              | 0.006258      | 79.8                        | 50-150          | 0.008268      | 7.73                 | 50                                |       |  |
| Perfluorobutanesulfonic Acid (PFBS)    | 0.003604  | 0.0030 | 0.001554              | 0.002148      | 93.7                        | 50-150          | 0.003685      | 2.22                 | 50                                |       |  |
| Perfluoropentanoic Acid (PFPeA)        | 0.007844  | 0.0030 | 0.001746              | 0.006794      | 60.2                        | 50-150          | 0.008294      | 5.57                 | 50                                |       |  |
| Perfluoropentanesulfonic Acid (PFPeS   | 0.001166  | 0.0030 | 0.001642              | 0.00006011    | 67.4                        | 50-150          | 0.001723      | 0                    | 50                                | J     |  |
| Perfluorohexanoic Acid (PFHxA)         | 0.006734  | 0.0030 | 0.001746              | 0.005018      | 98.2                        | 50-150          | 0.007074      | 4.92                 | 50                                |       |  |
| Perfluorohexanesulfonic Acid (PFHxS)   | 0.00155   | 0.0030 | 0.001598              | 0.0003589     | 74.5                        | 50-150          | 0.001843      | 0                    | 50                                | J     |  |
| Perfluoroheptanoic Acid (PFHpA)        | 0.002503  | 0.0030 | 0.001746              | 0.0007033     | 103                         | 50-150          | 0.002474      | 0                    | 50                                | J     |  |
| Perfluoroheptanesulfonic Acid (PFHpS   | 0.00181   | 0.0030 | 0.001668              | 0             | 109                         | 50-150          | 0.001858      | 0                    | 50                                | J     |  |
| Perfluorooctanoic Acid (PFOA)          | 0.002587  | 0.0030 | 0.001746              | 0.001282      | 74.7                        | 50-150          | 0.002485      | 0                    | 50                                | J     |  |
| Perfluorooctanesulfonic Acid (PFOS)    | 0.001471  | 0.0030 | 0.001624              | 0.0006207     | 52.4                        | 50-150          | 0.002226      | 0                    | 50                                | J     |  |
| Perfluorononanoic Acid (PFNA)          | 0.001795  | 0.0030 | 0.001746              | 0.000222      | 90.1                        | 50-150          | 0.001787      | 0                    | 50                                | J     |  |
| Perfluorodecanoic Acid (PFDA)          | 0.001628  | 0.0030 | 0.001746              | 0.00004635    | 90.6                        | 50-150          | 0.00175       | 0                    | 50                                | J     |  |
| Perfluorododecanoic Acid (PFDoA)       | 0.001774  | 0.0030 | 0.001746              | 0.00004744    | 98.9                        | 50-150          | 0.001799      | 0                    | 50                                | J     |  |
| Perfluoroundecanoic Acid (PFUnA)       | 0.001471  | 0.0020 | 0.001746              | 0             | 84.2                        | 50-150          | 0.00181       | 0                    | 50                                | J     |  |
| Surr: 13C3-HFPO-DA                     | 0.02482   | 0      | 0.03493               | 0             | 71.1                        | 50-200          | 0.02569       | 3.43                 | 30                                |       |  |
| Surr: 13C2-4-2-FTS                     | 0.1862    | 0      | 0.1313                | 0             | 142                         | 50-200          | 0.1883        | 1.11                 | 30                                |       |  |
| Surr: 13C2-6-2-FTS                     | 0.178     | 0      | 0.1327                | 0             | 134                         | 50-200          | 0.184         | 3.33                 | 30                                |       |  |
| Surr: 13C2-8-2-FTS                     | 0.1369    | 0      | 0.1341                | 0             | 102                         | 50-200          | 0.1419        | 3.6                  | 30                                |       |  |
| Surr: 13C4-PFBA                        | 0.03591   | 0      | 0.03493               | 0             | 103                         | 50-200          | 0.03555       | 1.03                 | 30                                |       |  |
| Surr: 13C3-PFBS                        | 0.03264   | 0      | 0.03257               | 0             | 100                         | 50-200          | 0.03243       | 0.657                | 30                                |       |  |
| Surr: 13C5-PFPeA                       | 0.03554   | 0      | 0.03493               | 0             | 102                         | 50-200          | 0.0353        | 0.677                | 30                                |       |  |
| Surr: 13C5-PFHxA                       | 0.03084   | 0      | 0.03493               | 0             | 88.3                        | 50-200          | 0.03334       | 7.76                 | 30                                |       |  |
| Surr: 13C3-PFHxS                       | 0.03339   | 0      | 0.03309               | 0             | 101                         | 50-200          | 0.03335       | 0.13                 | 30                                |       |  |
| Surr: 13C4-PFHpA                       | 0.02945   | 0      | 0.03493               | 0             | 84.3                        | 50-200          | 0.03218       | 8.85                 | 30                                |       |  |
| Surr: 13C8-PFOA                        | 0.033     | 0      | 0.03493               | 0             | 94.5                        | 50-200          | 0.03604       | 8.8                  | 30                                |       |  |
| Surr: 13C8-PFOS                        | 0.03145   | 0      | 0.03344               | 0             | 94                          | 50-200          | 0.03327       | 5.63                 | 30                                |       |  |
| Surr: 13C9-PFNA                        | 0.03231   | 0      | 0.03493               | 0             | 92.5                        | 50-200          | 0.03461       | 6.87                 | 30                                |       |  |
| Surr: 13C6-PFDA                        | 0.02923   | 0      | 0.03493               | 0             | 83.7                        | 50-200          | 0.0335        | 13.6                 | 30                                |       |  |
| Surr: 13C2-PFDoA                       | 0.02804   | 0      | 0.03493               | 0             | 80.3                        | 50-200          | 0.03203       | 13.3                 | 30                                |       |  |
| Surr: 13C7-PFUnDA                      | 0.02899   | 0      | 0.03493               | 0             | 83                          | 50-200          | 0.03329       | 13.8                 | 30                                |       |  |

The following samples were analyzed in this batch:

24021358-01B 24021358-02B

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Suburban Laboratories, Inc.  
**Work Order:** 24021358  
**Project:** IL0311980 Mount Prospect SE1

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**QC BATCH REPORT**

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



## CHAIN OF CUSTODY RECORD

Omega CODID 41746 PAGE: 1 OF: 1

ADDRESS  
Suburban Laboratories, Inc.  
1950 S. Batavia Ave., Suite 150  
Geneva, IL 60134  
TEL: (708) 544-3260  
FAX: (708) 544-8587  
Website: www.suburbanlabs.com



|                                            |                           |                                              |               |                                                                                                        |                      |                      |                                                                                             |
|--------------------------------------------|---------------------------|----------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------|----------------------|----------------------|---------------------------------------------------------------------------------------------|
| SUB CONTRACTOR: <b>ALS - MICHIGAN</b>      |                           | COMPANY: <b>ALS - Environmental Division</b> |               | SPECIAL INSTRUCTIONS / COMMENTS:                                                                       |                      |                      |                                                                                             |
| ADDRESS: <b>3352 128th Ave</b>             |                           |                                              |               | Mount Prospect IL0311980 SE1 UCMR5 533 537 only analyze field blanks if there are hits in the samples. |                      |                      |                                                                                             |
| CITY, STATE, ZIP: <b>Holland, MI 49424</b> |                           |                                              |               |                                                                                                        |                      |                      |                                                                                             |
| PHONE: <b>(616) 399-6070</b>               |                           | FAX:                                         |               | EMAIL:                                                                                                 |                      |                      |                                                                                             |
| ACCOUNT #:                                 |                           |                                              |               |                                                                                                        |                      |                      |                                                                                             |
| ITEM #                                     | SAMPLE ID                 | CLIENT SAMPLE ID                             | BOTTLE TYPE   | MATRIX                                                                                                 | DATE COLLECTED       | NUMBER OF CONTAINERS | COMMENTS: Methanol Preserved Weights<br>HOT Sample Notation, Additional Sample Description. |
| 1                                          | 2402C32-001A<br>SLI-Tests | cc08                                         | P-8OZ - AMMAC | Drinking Water                                                                                         | 2/15/2024 8:05:00 AM | 4                    |                                                                                             |
| 2                                          | 2402C32-002A<br>SLI-Tests | cc08 FIELD BLANK                             | P-8OZ - AMMAC | Drinking Water                                                                                         | 2/15/2024 8:00:00 AM | 1                    |                                                                                             |
| 3                                          | 2402C32-003A<br>SLI-Tests | cc08                                         | P-8OZ-TRIZMA  | Drinking Water                                                                                         | 2/15/2024 8:04:00 AM | 4                    |                                                                                             |
| 4                                          | 2402C32-004A<br>SLI-Tests | cc08 FIELD BLANK                             | P-4oz-UN      | Drinking Water                                                                                         | 2/15/2024 8:01:00 AM | 1                    |                                                                                             |



|                                                                      |                      |                                                                                                  |                  |                                            |                    |                                                                                                                                                                           |  |
|----------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------|------------------|--------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Relinquished By:                                                     | Date: <b>2/20/24</b> | Time: <b>10:00</b>                                                                               | Received By:     | Date: <b>2/20/24</b>                       | Time: <b>10:00</b> | REPORT TRANSMITTAL DESIRED:<br><input type="checkbox"/> HARDCOPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE |  |
| Relinquished By:                                                     | Date: <b>2/20/24</b> | Time: <b>10:00</b>                                                                               | Relinquished By: | Date: <b>2/20/24</b>                       | Time: <b>10:00</b> | FOR LAB USE ONLY<br>Temp of samples <b>3.4</b> °C Attempt to Cool? <b>123</b><br>Comments:                                                                                |  |
| TAT: <input type="checkbox"/> Standard <input type="checkbox"/> RUSH |                      | Next BD <input type="checkbox"/> 2nd BD <input type="checkbox"/> 3rd BD <input type="checkbox"/> |                  | Note: RUSH requests will incur surcharges! |                    |                                                                                                                                                                           |  |

Sample Receipt Checklist

Client Name: **SUBLABS**

Date/Time Received: **20-Feb-24 10:00**

Work Order: **24021358**

Received by: **KRW**

Checklist completed by **Keith Wierenga**

20-Feb-24

Reviewed by: **Alex J. Csaszar**

20-Feb-24

eSignature

Date

eSignature

Date

Matrices: **Water**

Carrier name: **UPS**

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 ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody 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 ☐

Sample(s) received on ice?

Yes ☒

No ☐

Temperature(s)/Thermometer(s):

3.4/4.4 C

IR3

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage:

2/20/2024 3:20:48 PM

Water - VOA vials have zero headspace?

Yes ☐

No ☐

No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

N/A ☐

pH adjusted?

Yes ☐

No ☒

N/A ☐

pH adjusted by:

-

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

