

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

June 03, 2024

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

Workorder: 2405722

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

Dear Sean Dorsey:

Suburban Laboratories, Inc. received 5 sample(s) on 5/9/2024 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: June 03, 2024

Project: UCMR 5

PO #:

WorkOrder: 2405722

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:



Suburban Laboratories, Inc.
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Analytical Report

(continuous)

WO#: 2405722

Date Reported: 6/3/2024

CLIENT: Village of Mount Prospect Drinking Water

Lab Order: 2405722

Project: UCMR 5

Lab ID: 2405722-001

Collection Date: 5/9/2024 8:07:00 AM

Client Sample ID: C008

Matrix: DRINKING WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DET. OF PER & POLYFLUOROALKYL SUBSTANCES IN DW

E533

E533

Analyst: CSS

11CI-PR3OUdS	ND	4.34		ng/L	1	5/15/2024 3:40:00 AM
9CI-PF3ONS	ND	1.74		ng/L	1	5/15/2024 3:40:00 AM
ADONA	ND	2.60		ng/L	1	5/15/2024 3:40:00 AM
FiS 4:2	ND	2.60		ng/L	1	5/15/2024 3:40:00 AM
FiS 6:2	ND	4.34		ng/L	1	5/15/2024 3:40:00 AM
FiS 8:2	ND	4.34		ng/L	1	5/15/2024 3:40:00 AM
HFPO-DA	ND	4.34		ng/L	1	5/15/2024 3:40:00 AM
NFDHA	ND	17.4		ng/L	1	5/15/2024 3:40:00 AM
PFBA	ND	4.34		ng/L	1	5/15/2024 3:40:00 AM
PFBS	ND	2.60		ng/L	1	5/15/2024 3:40:00 AM
PFDA	ND	2.60		ng/L	1	5/15/2024 3:40:00 AM
PFDaA	ND	2.60		ng/L	1	5/15/2024 3:40:00 AM
PFEESA	ND	2.60		ng/L	1	5/15/2024 3:40:00 AM
PFHpA	ND	2.60		ng/L	1	5/15/2024 3:40:00 AM
PFHpS	ND	2.60		ng/L	1	5/15/2024 3:40:00 AM
PFHxA	ND	2.60		ng/L	1	5/15/2024 3:40:00 AM
PFHxS-Total	ND	2.60		ng/L	1	5/15/2024 3:40:00 AM
PFMBA	ND	2.60		ng/L	1	5/15/2024 3:40:00 AM
PFMPA	ND	3.47		ng/L	1	5/15/2024 3:40:00 AM
PFNA	ND	3.47		ng/L	1	5/15/2024 3:40:00 AM
PFOA	ND	3.47		ng/L	1	5/15/2024 3:40:00 AM
PFOS - Total	ND	3.47		ng/L	1	5/15/2024 3:40:00 AM
PFPeA	ND	2.60		ng/L	1	5/15/2024 3:40:00 AM
PFPeS	ND	3.47		ng/L	1	5/15/2024 3:40:00 AM
PFUnA	ND	1.74		ng/L	1	5/15/2024 3:40:00 AM

Qualifiers:

c Analyte not in SLI scope of NELAC accreditation
E608 E608 indicates the sample was analyzed by E608.3
E625 E625 indicates sample was analyzed by method 625.1
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

E Estimated, detected above quantitation range
E624 E624 indicates sample was analyzed by 624.1.
G Refer to case narrative page for specific comments
M Manual Integration used to determine area response
PL Permit Limit
S Spike Recovery outside accepted recovery limits

Original
Page 3 of 8



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Analytical Report

(continuous)

WO#: 2405722

Date Reported: 6/3/2024

CLIENT: Village of Mount Prospect Drinking Water

Lab Order: 2405722

Project: UCMR 5

Lab ID: 2405722-003

Collection Date: 5/9/2024 8:03:00 AM

Client Sample ID: C008

Matrix: DRINKING WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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PFAS/PFOS IN DRINKING WATER

E537.1

E537.1

Analyst: CSS

N-EtFOSAA-Total	ND	4.30		ng/L	1	5/14/2024
N-MeFOSAA-Total	ND	5.15		ng/L	1	5/14/2024
PFTeA	ND	6.87		ng/L	1	5/14/2024
PFTriA	ND	2.58		ng/L	1	5/14/2024
Surr: D5-N-EtFOSAA(S)	93.1	70 - 130		%Rec	1	5/14/2024
Surr: M3HFPO-DA(S)	83.0	70 - 130		%Rec	1	5/14/2024
Surr: MPFDA(S)	90.0	70 - 130		%Rec	1	5/14/2024
Surr: MPFHxA(S)	71.5	70 - 130		%Rec	1	5/14/2024

Lab ID: 2405722-004

Collection Date: 5/9/2024 8:01:00 AM

Client Sample ID: C008 FIELD BLANK

Matrix: DRINKING WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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PFAS/PFOS IN DRINKING WATER

E537.1

E537.1

Analyst: CSS

N-EtFOSAA-Total	ND	4.65		ng/L	1	5/14/2024 12:25:00 AM
N-MeFOSAA-Total	ND	5.58		ng/L	1	5/14/2024 12:25:00 AM
PFTeA	ND	7.43		ng/L	1	5/14/2024 12:25:00 AM
PFTriA	ND	2.79		ng/L	1	5/14/2024 12:25:00 AM
Surr: D5-N-EtFOSAA(S)	91.4	70 - 130		%Rec	1	5/14/2024 12:25:00 AM
Surr: M3HFPO-DA(S)	93.6	70 - 130		%Rec	1	5/14/2024 12:25:00 AM
Surr: MPFDA(S)	88.4	70 - 130		%Rec	1	5/14/2024 12:25:00 AM
Surr: MPFHxA(S)	87.6	70 - 130		%Rec	1	5/14/2024 12:25:00 AM

Qualifiers:

c	Analyte not in SLI scope of NELAC accreditation
E608	E608 indicates the sample was analyzed by E608.3
E625	E625 indicates sample was analyzed by method 625.1
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
RL	Reporting Detection Limit

E	Estimated, detected above quantitation range
E624	E624 indicates sample was analyzed by 624.1.
G	Refer to case narrative page for specific comments
M	Manual Integration used to determine area response
PL	Permit Limit
S	Spike Recovery outside accepted recovery limits

Original
Page 4 of 8



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Analytical Report

(continuous)

WO#: 2405722

Date Reported: 6/3/2024

CLIENT: Village of Mount Prospect Drinking Water

Lab Order: 2405722

Project: UCMR 5

Lab ID: 2405722-005

Collection Date: 5/9/2024 8:10:00 AM

Client Sample ID: C008

Matrix: DRINKING WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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UCMR 5 LITHIUM

E200.7DW E180.1 Analyst: SCT

Lithium	ND	5.00	µg/L	1	5/18/2024 10:19:39 AM
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Qualifiers:

c Analyte not in SLI scope of NELAC accreditation
E608 E608 indicates the sample was analyzed by E608.3
E625 E625 indicates sample was analyzed by method 625.1
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

E Estimated, detected above quantitation range
E624 E624 indicates sample was analyzed by 624.1.
G Refer to case narrative page for specific comments
M Manual Integration used to determine area response
PL Permit Limit
S Spike Recovery outside accepted recovery limits

Original
Page 5 of 8



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: UCMR 5

Report Date: June 03, 2024
Lab Order: 2405722

Sample ID	Collection Date	Batch ID	Prep Test Name	TCLP Date	Prep Date
2405722-001A	5/9/2024 8:07:00 AM	97782	533 PFAS Prep		5/14/2024
2405722-003A	5/9/2024 8:03:00 AM	97753	PFAS in drinking water prep		5/13/2024
2405722-004A	5/9/2024 8:01:00 AM	97753	PFAS in drinking water prep		5/13/2024
2405722-005A	5/9/2024 8:10:00 AM	97682	ICP Drinking Water Prep		5/9/2024



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



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Rev 2/11