



Microbac Laboratories, Inc., New York Division

## CERTIFICATE OF ANALYSIS

J1D0450

Town of Chenango

Project Name: PFOA/PFOS, 1,4-Dioxane

Greg Burden  
1529 NY Route 12  
Binghamton, NY 13901

Project / PO Number: N/A  
Received: 04/07/2021  
Reported: 05/12/2021

### Analytical Testing Parameters

|                                           |                                          |
|-------------------------------------------|------------------------------------------|
| <b>Client Sample ID:</b> EP 109 Maplewood | <b>Collected By:</b> Lucas Mooney        |
| <b>Sample Matrix:</b> Drinking Water      | <b>Collection Date:</b> 04/07/2021 11:50 |
| <b>Lab Sample ID:</b> J1D0450-01          |                                          |

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

| Per and Polyfluoroalkyl Substances (PFAS) by LCMSMS | Result | Limit(s)      | RL   | Units | Note | Prepared      | Analyzed      | Analyst |
|-----------------------------------------------------|--------|---------------|------|-------|------|---------------|---------------|---------|
| Method: EPA 537, Rv. 1.1 (2009)                     |        |               |      |       |      |               |               |         |
| Perfluorooctanoic acid (PFOA)                       | <1.85  | 10.0          | 1.85 | ng/L  |      | 04/16/21 1429 | 05/11/21 0026 | CAS     |
| Perfluorooctane sulfonate (PFOS)                    | <1.85  | 10.0          | 1.85 | ng/L  |      | 04/16/21 1429 | 05/11/21 0026 | CAS     |
| Surrogate: MPFHxA                                   | 87.4   | Limit: 70-130 |      | % Rec |      | 04/16/21 1429 | 05/11/21 0026 | CAS     |
| Surrogate: MPFDA                                    | 83.8   | Limit: 70-130 |      | % Rec |      | 04/16/21 1429 | 05/11/21 0026 | CAS     |
| Surrogate: d5-N-EtFOSAA                             | 71.8   | Limit: 70-130 |      | % Rec |      | 04/16/21 1429 | 05/11/21 0026 | CAS     |

|                                                                        |                                          |
|------------------------------------------------------------------------|------------------------------------------|
| <b>Client Sample ID:</b> Sample Point: Field Blank of EP 109 Maplewood | <b>Collected By:</b> TC-Client           |
| <b>Sample Matrix:</b> Drinking Water                                   | <b>Collection Date:</b> 04/07/2021 11:50 |
| <b>Lab Sample ID:</b> J1D0450-02                                       |                                          |

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

| Per and Polyfluoroalkyl Substances (PFAS) by LCMSMS | Result | Limit(s)      | RL   | Units | Note | Prepared      | Analyzed      | Analyst |
|-----------------------------------------------------|--------|---------------|------|-------|------|---------------|---------------|---------|
| Method: EPA 537, Rv. 1.1 (2009)                     |        |               |      |       |      |               |               |         |
| Perfluorooctanoic acid (PFOA)                       | <2.00  | 10.0          | 2.00 | ng/L  |      | 04/16/21 1429 | 05/11/21 0043 | CAS     |
| Perfluorooctane sulfonate (PFOS)                    | <2.00  | 10.0          | 2.00 | ng/L  |      | 04/16/21 1429 | 05/11/21 0043 | CAS     |
| Surrogate: MPFHxA                                   | 91.8   | Limit: 70-130 |      | % Rec |      | 04/16/21 1429 | 05/11/21 0043 | CAS     |
| Surrogate: MPFDA                                    | 81.8   | Limit: 70-130 |      | % Rec |      | 04/16/21 1429 | 05/11/21 0043 | CAS     |
| Surrogate: d5-N-EtFOSAA                             | 70.1   | Limit: 70-130 |      | % Rec |      | 04/16/21 1429 | 05/11/21 0043 | CAS     |

Microbac Laboratories, Inc.

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J1D0450

Client Sample ID: EP 109 Maplewood  
Sample Matrix: Drinking Water  
Lab Sample ID: J1D0450-03

Collected By: Lucas Mooney  
Collection Date: 04/07/2021 11:50

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

| Semivolatile Organic Compounds by GCMS | Result | Limit(s)      | RL    | Units | Note | Prepared      | Analyzed      | Analyst |
|----------------------------------------|--------|---------------|-------|-------|------|---------------|---------------|---------|
| Method: EPA 522, Rv. 1 (2008)          |        |               |       |       |      |               |               |         |
| 1,4-Dioxane                            | 2.60   |               | 0.100 | ug/L  |      | 04/14/21 0800 | 04/15/21 1133 | ARM     |
| Surrogate: 1,4-Dioxane-d8              | 86.6   | Limit: 70-130 |       | % Rec |      | 04/14/21 0800 | 04/15/21 1133 | ARM     |

Results in **bold** have exceeded a limit defined for this project. Limits are provided for reference but as regulatory limits change frequently, Microbac Laboratories, Inc. advises the recipient of this report to confirm such limits and units of concentration with the appropriate Federal, state or local authorities before acting on the data.

Definitions

MDL: Minimum Detection Limit  
ng/L: Nanograms per Liter  
NYVOA: New York DOH Part 5 Public Water System MCLs  
RL: Reporting Limit  
ug/L: Micrograms per Liter

Project Requested Certification(s)

Microbac Laboratories Inc., - Marietta, OH  
10861

New York State Department of Health

Microbac Laboratories, Inc. - Dayville  
11549

New York State Department of Health

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:

Renee Lantz  
Customer Relationship Specialist  
Reported: 05/12/2021 10:45

Microbac Laboratories, Inc.

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## Chain of Custody

Microbac Laboratories, Inc., New York Division

Lab Manager: Renee Lantz



J1D0450

TAT 14 days

Town of Chenango

Project Name: PFOA/PFOS, 1,4-Dioxane

Greg Burden  
1529 NY Route 12  
Binghamton, NY 13901  
Phone: (607) 760-6240

Project/PO Number: N/A  
Tenatively Scheduled: 4/10/2021  
Route: CRT-Shipped Bottle Orders

Client Sample ID: Sample Point: EP 109 Maplewood

Lab Sample ID: J1D0450-01

Matrix: Drinking Water

Type: Grab

Sampled Date & Time: 4/7/21 11:50amAnalysis

537 Alkyl Acids

Method

EPA 537 Rev. 1.1

Field Results/CommentsContainer(s)

250ml-Bottle HDPE-Trizma

250ml-Bottle HDPE-Trizma

Hold Time

14.00 days

Designator

A

B

Client Sample ID: Sample Point: Field Blank of EP 109 Maplewood

Lab Sample ID: J1D0450-02

Matrix: Drinking Water

Type: Field Blank

Sampled Date & Time: 4/7/21 11:50amAnalysis

537 Alkyl Acids

Method

EPA 537 Rev. 1.1

Field Results/CommentsContainer(s)

250ml-Bottle HDPE-Trizma

Hold Time

14.00 days

Designator

A

Client Sample ID: Sample Point: EP 109 Maplewood

Lab Sample ID: J1D0450-03

Matrix: Drinking Water

Type: Grab

Sampled Date & Time: 4/7/21 11:50amAnalysis

522 Dioxane

Method

EPA 522, Rev. 1 (2008)

Field Results/CommentsContainer(s)

1L-Bottle Glass Amber-Na2SO3, NaHSO4

Hold Time

28.00 days

Designator

A

|                                             |                                  |                                  |
|---------------------------------------------|----------------------------------|----------------------------------|
| Sampled/Relinquished by: <u>Luke Mooney</u> | Date/Time: <u>4/7/21 11:50am</u> | Received by: <u>Michael Emm</u>  |
| Printed Name: <u>Luke Mooney</u>            |                                  | Printed Name: <u>Michael Emm</u> |
| Relinquished by: <u>Michael Emm</u>         | Date/Time: <u>4/7/21 16:26</u>   | Received by: <u>[Signature]</u>  |
| Printed Name: <u>Michael Emm</u>            |                                  | Printed Name: <u>[Signature]</u> |
| Relinquished by:                            | Date/Time:                       | Received by:                     |
| Printed Name:                               |                                  | Printed Name:                    |

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