



Microbac Laboratories, Inc., New York Division

## CERTIFICATE OF ANALYSIS

J0K0733

Town of Chenango

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

Greg Burden  
1529 NY Route 12  
Binghamton, NY 13901

Project / PO Number: Maplewood  
Received: 11/18/2020  
Reported: 12/22/2020

### Analytical Testing Parameters

Client Sample ID: Sample Point: EP 109 Maplewood  
Sample Matrix: Drinking Water  
Lab Sample ID: J0K0733-01

Collected By: TC-Client  
Collection Date: 11/18/2020 10:25

Analyses Subcontracted to: 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)                     |        |               |      |       | Method Notes: H1 |               |               |         |
| Perfluorooctanoic acid (PFOA)                       | 2.58   |               | 1.79 | ng/L  |                  | 12/08/20 1417 | 12/16/20 1046 | CAS     |
| Perfluorooctane sulfonate (PFOS)                    | 2.22   |               | 1.79 | ng/L  |                  | 12/08/20 1417 | 12/16/20 1046 | CAS     |
| Surrogate: MPFHxA                                   | 106    | Limit: 70-130 |      | % Rec |                  | 12/08/20 1417 | 12/16/20 1046 | CAS     |
| Surrogate: M3HFPO-DA                                | 129    | Limit: 70-130 |      | % Rec |                  | 12/08/20 1417 | 12/16/20 1046 | CAS     |
| Surrogate: MPFDA                                    | 84.5   | Limit: 70-130 |      | % Rec |                  | 12/08/20 1417 | 12/16/20 1046 | CAS     |
| Surrogate: d5-N-EtFOSAA                             | 107    | Limit: 70-130 |      | % Rec |                  | 12/08/20 1417 | 12/16/20 1046 | CAS     |

Client Sample ID: Sample Point: Field Blank of EP 109 Maplewood  
Sample Matrix: Drinking Water  
Lab Sample ID: J0K0733-02

Collected By: TC-Client  
Collection Date: 11/18/2020 10:25

Analyses Subcontracted to: 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)                     |        |               |      |       | Method Notes: H1 |               |               |         |
| Perfluorooctanoic acid (PFOA)                       | <1.79  |               | 1.79 | ng/L  |                  | 12/08/20 1417 | 12/16/20 1107 | CAS     |
| Perfluorooctane sulfonate (PFOS)                    | <1.79  |               | 1.79 | ng/L  |                  | 12/08/20 1417 | 12/16/20 1107 | CAS     |
| Surrogate: MPFHxA                                   | 124    | Limit: 70-130 |      | % Rec |                  | 12/08/20 1417 | 12/16/20 1107 | CAS     |
| Surrogate: M3HFPO-DA                                | 147    | Limit: 70-130 |      | % Rec | S1               | 12/08/20 1417 | 12/16/20 1107 | CAS     |
| Surrogate: MPFDA                                    | 98.7   | Limit: 70-130 |      | % Rec |                  | 12/08/20 1417 | 12/16/20 1107 | CAS     |
| Surrogate: d5-N-EtFOSAA                             | 102    | Limit: 70-130 |      | % Rec |                  | 12/08/20 1417 | 12/16/20 1107 | CAS     |

Microbac Laboratories, Inc.

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Microbac Laboratories, Inc., New York Division

## CERTIFICATE OF ANALYSIS

J0K0733

**Client Sample ID:** Sample Point: EP 109 Maplewood  
**Sample Matrix:** Drinking Water  
**Lab Sample ID:** J0K0733-03

**Collected By:** TC-Client  
**Collection Date:** 11/18/2020 10:25

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

| Semivolatile Organic Compounds by GCMS | Result | Limit(s)      | RL    | Units | Note | Prepared      | Analyzed      | Analyst |
|----------------------------------------|--------|---------------|-------|-------|------|---------------|---------------|---------|
| <b>Method: EPA 522, Rv. 1 (2008)</b>   |        |               |       |       |      |               |               |         |
| 1,4-Dioxane                            | 0.847  |               | 0.100 | ug/L  |      | 12/04/20 0900 | 12/08/20 0104 | ARM     |
| Surrogate: 1,4-Dioxane-d8              | 110    | Limit: 70-130 |       | % Rec |      | 12/04/20 0900 | 12/08/20 0104 | 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

**H1:** Sample was received past holding time.  
**MDL:** Minimum Detection Limit  
**ng/L:** Nanograms per Liter  
**NYVOA:** New York DOH Part 5 Public Water System MCLs  
**RL:** Reporting Limit  
**S1:** Surrogate recovery is above acceptance limits.  
**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: 12/22/2020 18:40

Microbac Laboratories, Inc.

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## Chain of Custody

Microbac Laboratories, Inc., New York Division

Lab Manager: Renee Lantz



J0K0733

TAT 14 days

Town of Chenango

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

Greg Burden  
1529 NY Route 12  
Binghamton, NY 13901  
Phone: (607) 648-4809

Project/PO Number: *N/A sample used*  
Tenatively Scheduled: 11/11/2020  
Route:

Client Sample ID: Sample Point: EP109 MAPLEWOOD

Lab Sample ID: J0K0733-01

Matrix: Drinking Water

Sampled Date & Time: 11-18-20 10:25 AM

Type: Grab

| Analysis        | Method           | Field Results/Comments                                               | Hold Time                          |
|-----------------|------------------|----------------------------------------------------------------------|------------------------------------|
| 537 Alkyl Acids | EPA 537 Rev. 1.1 | Container(s)<br>250ml-Bottle HDPE-Trizma<br>250ml-Bottle HDPE-Trizma | 14.00 days<br>Designator<br>A<br>B |

Client Sample ID: Sample Point: Field Blank of water

Lab Sample ID: J0K0733-02

Matrix: Drinking Water

Sampled Date & Time: 11-18-20 10:25 AM

Type: Field Blank

| Analysis        | Method           | Field Results/Comments                   | Hold Time                     |
|-----------------|------------------|------------------------------------------|-------------------------------|
| 537 Alkyl Acids | EPA 537 Rev. 1.1 | Container(s)<br>250ml-Bottle HDPE-Trizma | 14.00 days<br>Designator<br>A |

Client Sample ID: Sample Point: EP109 MAPLEWOOD

Lab Sample ID: J0K0733-03

Matrix: Drinking Water

Sampled Date & Time: 11-18-20 10:25 AM

Type: Grab

| Analysis    | Method                | Field Results/Comments                               | Hold Time                     |
|-------------|-----------------------|------------------------------------------------------|-------------------------------|
| 522 Dioxane | EPA 522, Rv. 1 (2008) | Container(s)<br>1L-Bottle Glass Amber-Na2SO3, NaHSO4 | 28.00 days<br>Designator<br>A |

|                                             |                                     |                                  |
|---------------------------------------------|-------------------------------------|----------------------------------|
| Sampled/Relinquished by: <i>[Signature]</i> | Date/Time: <u>11-18-20 10:25 AM</u> | Received by: <i>[Signature]</i>  |
| Printed Name: <i>Greg Burden</i>            | <u>1445</u>                         | Printed Name: <i>Ed Timm</i>     |
| Relinquished by: <i>[Signature]</i>         | Date/Time: <u>11-18-2020</u>        | Received by: <i>[Signature]</i>  |
| Printed Name: <i>Ed. Timm</i>               | <u>1500</u>                         | Printed Name: <i>T. Webster</i>  |
| Relinquished by: <i>[Signature]</i>         | Date/Time: <u>11-18-2020</u>        | Received by: <i>[Signature]</i>  |
| Printed Name: <i>T. Webster</i>             | <u>1530</u>                         | Printed Name: <i>[Signature]</i> |

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