



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J2B1489

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: 03/31/2022
Reported: 04/21/2022

Analytical Testing Parameters

Client Sample ID: Sample Point: EP 110

Sample Matrix: Drinking Water

Lab Sample ID: J2B1489-01

Collected By: Client

Collection Date: 03/31/2022 10:00

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

Per and Polyfluoroalkyl Substances (PFAS) by LCMSMS

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)	4.63		1.92	ng/L		04/05/22 0509	04/07/22 2246	JWR
Perfluorooctane sulfonate (PFOS)	2.13		1.92	ng/L		04/05/22 0509	04/07/22 2246	JWR
Perfluorohexanoic acid (PFHxA)	5.03		1.92	ng/L	Y1	04/05/22 0509	04/07/22 2246	JWR
Perfluoroheptanoic acid (PFHpA)	<1.92		1.92	ng/L	Y1	04/05/22 0509	04/07/22 2246	JWR
Perfluorononanoic acid (PFNA)	<1.92		1.92	ng/L	Y1	04/05/22 0509	04/07/22 2246	JWR
Perfluorodecanoic acid (PFDA)	<1.92		1.92	ng/L	Y1	04/05/22 0509	04/07/22 2246	JWR
Perfluoroundecanoic acid (PFUdA)	<1.92		1.92	ng/L	Y1	04/05/22 0509	04/07/22 2246	JWR
Perfluorododecanoic acid (PFDoA)	<1.92		1.92	ng/L	Y1	04/05/22 0509	04/07/22 2246	JWR
Perfluorotridecanoic acid (PFTTrDA)	<1.92		1.92	ng/L	Y1	04/05/22 0509	04/07/22 2246	JWR
Perfluorotetradecanoic acid (PFTeDA)	<1.92		1.92	ng/L	Y1	04/05/22 0509	04/07/22 2246	JWR
Perfluorobutane sulfonate (PFBS)	3.83		1.73	ng/L	Y1	04/05/22 0509	04/07/22 2246	JWR
Perfluorohexane sulfonate (PFHxS)	2.19		1.73	ng/L	Y1	04/05/22 0509	04/07/22 2246	JWR
N-ethylperfluorooctanesulfonamidoacetic acid	<19.2		19.2	ng/L	Y1	04/05/22 0509	04/07/22 2246	JWR
N-methylperfluorooctanesulfonamidoacetic acid	<19.2		19.2	ng/L	Y1	04/05/22 0509	04/07/22 2246	JWR
Surrogate: 13C2-PFHxA	101	Limit: 70-130		% Rec		04/05/22 0509	04/07/22 2246	JWR
Surrogate: 13C2-PFDA	95.7	Limit: 70-130		% Rec		04/05/22 0509	04/07/22 2246	JWR
Surrogate: d5-N-EtFOSAA	79.4	Limit: 70-130		% Rec		04/05/22 0509	04/07/22 2246	JWR

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CERTIFICATE OF ANALYSIS

J2B1489

Client Sample ID: Sample Point: Field Blank of EP 110

Sample Matrix: Drinking Water

Lab Sample ID: J2B1489-02

Collected By: CLient

Collection Date: 03/31/2022 10:00

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		1.85	ng/L		04/05/22 0509	04/07/22 2259	JWR
Perfluorooctane sulfonate (PFOS)	<1.85		1.85	ng/L		04/05/22 0509	04/07/22 2259	JWR
Perfluorohexanoic acid (PFHxA)	<1.85		1.85	ng/L	Y1	04/05/22 0509	04/07/22 2259	JWR
Perfluoroheptanoic acid (PFHpA)	<1.85		1.85	ng/L	Y1	04/05/22 0509	04/07/22 2259	JWR
Perfluorononanoic acid (PFNA)	<1.85		1.85	ng/L	Y1	04/05/22 0509	04/07/22 2259	JWR
Perfluorodecanoic acid (PFDA)	<1.85		1.85	ng/L	Y1	04/05/22 0509	04/07/22 2259	JWR
Perfluoroundecanoic acid (PFUdA)	<1.85		1.85	ng/L	Y1	04/05/22 0509	04/07/22 2259	JWR
Perfluorododecanoic acid (PFDoA)	<1.85		1.85	ng/L	Y1	04/05/22 0509	04/07/22 2259	JWR
Perfluorotridecanoic acid (PFTrDA)	<1.85		1.85	ng/L	Y1	04/05/22 0509	04/07/22 2259	JWR
Perfluorotetradecanoic acid (PFTeDA)	<1.85		1.85	ng/L	Y1	04/05/22 0509	04/07/22 2259	JWR
Perfluorobutane sulfonate (PFBS)	<1.67		1.67	ng/L	Y1	04/05/22 0509	04/07/22 2259	JWR
Perfluorohexane sulfonate (PFHxS)	<1.67		1.67	ng/L	Y1	04/05/22 0509	04/07/22 2259	JWR
N-ethylperfluorooctanesulfonamidoacetic acid	<18.5		18.5	ng/L	Y1	04/05/22 0509	04/07/22 2259	JWR
N-methylperfluorooctanesulfonamidoacetic acid	<18.5		18.5	ng/L	Y1	04/05/22 0509	04/07/22 2259	JWR
Surrogate: 13C2-PFHxA	101	Limit: 70-130		% Rec		04/05/22 0509	04/07/22 2259	JWR
Surrogate: 13C2-PFDA	101	Limit: 70-130		% Rec		04/05/22 0509	04/07/22 2259	JWR
Surrogate: d5-N-EtFOSAA	79.1	Limit: 70-130		% Rec		04/05/22 0509	04/07/22 2259	JWR

Client Sample ID: Sample Point: EP 110

Sample Matrix: Drinking Water

Lab Sample ID: J2B1489-03

Collected By: CLient

Collection Date: 03/31/2022 10:00

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	<0.100		0.100	ug/L		04/07/22 0900	04/07/22 1741	ARM
Surrogate: 1,4-Dioxane-d8	111	Limit: 70-130		% Rec		04/07/22 0900	04/07/22 1741	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.



Microbac Laboratories, Inc., New York Division

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Definitions

ng/L:	Nanograms per Liter
NYVOA:	New York DOH Part 5 Public Water System MCLs
RL:	Reporting Limit
ug/L:	Micrograms per Liter
Y1:	Accreditation is not offered by the accrediting body for this analyte.

Project Requested Certification(s)

Microbac Laboratories Inc., - Marietta, OH
10861
Microbac Laboratories, Inc. - Dayville
11549

NY State Department of Health
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: 04/21/2022 18:57

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Chain of Custody

Microbac Laboratories, Inc., New York Division

Lab Manager: Renee Lantz



J2B1489

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: 2/28/2022
Route: CRT-Shipped Bottle Orders

Client Sample ID: Sample Point: Ep 110

Lab Sample ID: J2B1489-01

Matrix: Drinking Water

Type: Grab

Sampled Date & Time: 3/31/22 10am

Analysis

537 PFAS

Method

EPA 537 Rev. 1.1

Field Results/Comments

Container(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 110

Lab Sample ID: J2B1489-02

Matrix: Drinking Water

Type: Field Blank

Sampled Date & Time: 3/31/22 10am

Analysis

537 PFAS

Method

EPA 537 Rev. 1.1

Field Results/Comments

Container(s)

250ml-Bottle HDPE-Trizma

Hold Time

14.00 days

Designator

A

Client Sample ID: Sample Point: Ep 110

Lab Sample ID: J2B1489-03

Matrix: Drinking Water

Type: Grab

Sampled Date & Time: 3/31/22 10am

Analysis

522 Dioxane

Method

EPA 522, Rv. 1 (2008)

Field Results/Comments

Container(s)

1L-Bottle Glass Amber-Na2SO3, NaHSO4

Hold Time

28.00 days

Designator

A

Relinquished by: <u>[Signature]</u>	Date/Time: <u>3/31/22 12:15pm</u>	Received by: <u>[Signature]</u>	Date/Time: <u>3/31/22 11:10</u>
Printed Name: <u>Luke Morney</u>		Printed Name: <u>[Signature]</u>	
Relinquished by: <u>[Signature]</u>	Date/Time: <u>3/31/22 15:25</u>	Received by: <u>S. Fenger</u>	Date/Time: <u>3-31-22 15:25</u>
Printed Name: <u>[Signature]</u>		Printed Name: <u>Shannon Fenger</u>	
Relinquished by:	Date/Time:	Received by:	Date/Time:
Printed Name:		Printed Name:	

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Chain of Custody

Lab Manager: Renee Lantz



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Microbac Laboratories, Inc., New York Division

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: 2/28/2022
Route: CRT-Shipped Bottle Orders

As Received at Laboratory: On Ice: ☒ Yes / No Temp: 30 °C Thermometer ID: 044 Total Containers: 4.00

Microbac Laboratories may be unable to perform a portion of the requested testing in which case we will subcontract the analysis to an appropriately accredited laboratory. By signing this document you are acknowledging that you have been informed by Microbac that testing could be subcontracted and agree with this arrangement.

Notes: