



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3C0298

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: 05/19/2023
Reported: 06/05/2023

Analytical Testing Parameters

Client Sample ID: Sample Point: Ep 110 Applewood
Sample Matrix: Drinking Water
Lab Sample ID: S3C0298-01

Collected By: Luke Mooney
Collection Date: 05/19/2023 9:30

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

Table with 9 columns: Per and Polyfluoroalkyl Substances (PFAS) by LCMSMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Includes Method: EPA 537.1 and various PFAS entries with their respective results and limits.

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Table with 9 columns: Semivolatile Organic Compounds by GCMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Includes Method: EPA 522, Rv. 1 (2008) and entries for 1,4-Dioxane and its surrogate.



Microbac Laboratories, Inc., Sayre Division

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Client Sample ID: Sample Point: Ep 110 Applewood	Collected By: Luke Mooney
Sample Matrix: Drinking Water	Collection Date: 05/19/2023 9:30
Lab Sample ID: S3C0298-01	

Semivolatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Client Sample ID: Sample Point: Field Blank of Ep 110 Applewood	Collected By: Luke Mooney
Sample Matrix: Drinking Water	Collection Date: 05/19/2023 9:30
Lab Sample ID: S3C0298-02	

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 537.1								
Perfluorooctanoic acid (PFOA)	<2.00		2.00	ng/L		05/24/23 1615	06/01/23 0518	JWR
Perfluorooctanesulfonic acid (PFOS)	<2.00		2.00	ng/L		05/24/23 1615	06/01/23 0518	JWR
Perfluorohexanoic acid (PFHxA)	<2.00		2.00	ng/L	Y1	05/24/23 1615	06/01/23 0518	JWR
Perfluoroheptanoic acid (PFHpA)	<2.00		2.00	ng/L	Y1	05/24/23 1615	06/01/23 0518	JWR
Perfluorononanoic acid (PFNA)	<2.00		2.00	ng/L	Y1	05/24/23 1615	06/01/23 0518	JWR
Perfluorodecanoic acid (PFDA)	<2.00		2.00	ng/L	Y1	05/24/23 1615	06/01/23 0518	JWR
Perfluoroundecanoic acid (PFUnA)	<2.00		2.00	ng/L	Y	05/24/23 1615	06/01/23 0518	JWR
Perfluorododecanoic acid (PFDoA)	<2.00		2.00	ng/L	Y1	05/24/23 1615	06/01/23 0518	JWR
Perfluorotridecanoic acid (PFTrDA)	<2.00		2.00	ng/L	Y1	05/24/23 1615	06/01/23 0518	JWR
Perfluorotetradecanoic acid (PFTDA)	<2.00		2.00	ng/L	Y	05/24/23 1615	06/01/23 0518	JWR
Perfluorobutanesulfonic acid (PFBS)	<2.00		2.00	ng/L	Y	05/24/23 1615	06/01/23 0518	JWR
Perfluorohexanesulfonic acid (PFHxS)	<2.00		2.00	ng/L	Y	05/24/23 1615	06/01/23 0518	JWR
N-E perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.00		2.00	ng/L	Y	05/24/23 1615	06/01/23 0518	JWR
N-M perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.00		2.00	ng/L	Y	05/24/23 1615	06/01/23 0518	JWR
Hexafluoropropylene oxide dimer acid (HFPO-DA)	<2.00		2.00	ng/L	Y1	05/24/23 1615	06/01/23 0518	JWR
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.00		2.00	ng/L	Y	05/24/23 1615	06/01/23 0518	JWR
9-ChexadecaFl-3-oxanonane-sulf acid (9Cl-PF3ONS)	<2.00		2.00	ng/L	Y	05/24/23 1615	06/01/23 0518	JWR
11-CleicosaFl-3-oxaundecane-sulf acid (11Cl-PF3OUdS)	<2.00		2.00	ng/L	Y	05/24/23 1615	06/01/23 0518	JWR
Surrogate: 13C2-PFHxA	110	Limit: 70-130		% Rec		05/24/23 1615	06/01/23 0518	JWR
Surrogate: 13C3-HFPO-DA	103	Limit: 70-130		% Rec		05/24/23 1615	06/01/23 0518	JWR
Surrogate: 13C2-PFDA	111	Limit: 70-130		% Rec		05/24/23 1615	06/01/23 0518	JWR
Surrogate: d5-N-EtFOSAA	106	Limit: 70-130		% Rec		05/24/23 1615	06/01/23 0518	JWR

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.



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Definitions

- AC:** Analyte did not confirm by ion-ratio criteria. Analyte result was set to zero.
- ng/L:** Nanograms per Liter
- NYVOA:** New York DOH Part 5 Public Water System MCLs
- RL:** Reporting Limit
- ug/L:** Micrograms per Liter
- Y:** This analyte is not on the laboratory's current scope of accreditation.
- Y1:** Accreditation is not offered by the accrediting body for this analyte.

Project Requested Certification(s)

Microbac Laboratories Inc., - Marietta, OH 10861	NY 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: 06/05/2023 21:12



TAT 14 days

Town of Chenango

Greg Burden
1529 NY ROUTE 12
Binghamton, NY 13901
Phone: (607) 760-6240
greg.burden@townofchenango.com

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

Project/PO Number: N/A
Tenatively Scheduled: 3/17/2023
Route: CRT-Shipped Bottle Orders

Client Sample ID: Sample Point: Ep 110 Applewood

Lab Sample ID: S3C0298-01

Matrix: Drinking Water

Type: Grab

Sampled Date & Time: 5/19/23 9:30 AM

Analysis	Method	Field Results/Comments	Hold Time
522 1 4-Dioxane	EPA 522, Rv. 1 (2008)		28 days
537 PFAS	EPA 537 Rev. 1.1		14 days
		<u>Container(s)</u>	<u>Designator</u>
		1L-Bottle Glass Amber-Na2SO3, NaHSO4	A
		250ml-Bottle HDPE-Trizma	B
		250ml-Bottle HDPE-Trizma	C
		250ml-Bottle HDPE-Trizma	D
		250ml-Bottle HDPE-Trizma	E

Client Sample ID: Sample Point: Field Blank of Ep 110 Applewood

Lab Sample ID: S3C0298-02

Matrix: Drinking Water

Type: Field Blank

Sampled Date & Time: 5/19/23 9:30 AM

Analysis	Method	Field Results/Comments	Hold Time
537 PFAS	EPA 537 Rev. 1.1		14 days
		<u>Container(s)</u>	<u>Designator</u>
		250ml-Bottle HDPE-Trizma	A

Sampled/Relinquished by: <u>[Signature]</u>	Date/Time: <u>11 AM</u>	Received by: <u>[Signature]</u>	<u>5/19/23</u>
Printed Name: <u>Luke Mosney</u>	<u>5/19/23</u>	Printed Name: <u>Lloyd Barker</u>	<u>13:29</u>
Relinquished by:	Date/Time:	Received by:	
Printed Name:		Printed Name:	
Relinquished by:	Date/Time:	Received by: <u>[Signature]</u>	<u>5/19/23</u>
Printed Name:		Printed Name: <u>Lloyd Barker</u>	<u>16:24</u>

As Received at Laboratory: On Ice: Yes / No Temp: 6.4 °C Thermometer ID: 5 Custody Seal: Yes / No / NA
Total Containers: 6.00

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: