



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J1E1049

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: 05/13/2021
Reported: 06/15/2021

Case Narrative

Eurofins Eaton Analytical, Inc:

Note: Only 213 mL of sample was provided for the field trip blank (J1E1049-02). The MRL was adjusted to 2.3 ng/L.

Analytical Testing Parameters

Table with 4 columns: Client Sample ID, Sample Matrix, Lab Sample ID, Collected By, Collection Date. Values include Applewood, Drinking Water, J1E1049-01, Client, 05/13/2021 12:04.

Analyses Performed by: Eurofins Eaton Analytical, Inc. - South Bend

Main data table with columns: Method, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Lists various perfluorinated acids and their detection results.



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Client Sample ID: Field Blank of Applewood	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 05/13/2021 12:02
Lab Sample ID: J1E1049-02	

Analyses Performed by: Eurofins Eaton Analytical, Inc. - South Bend

	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: 537.1								
Perfluorooctanoic acid (PFOA)	<2.3		2.3	ng/L		05/25/21 0615	05/25/21 2218	KR
Perfluorooctanesulfonic acid (PFOS)	<2.3		2.3	ng/L		05/25/21 0615	05/25/21 2218	KR
Perfluorobutanesulfonic acid (PFBS)	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
Perfluoroheptanoic acid (PFHpA)	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
Perfluorohexanesulfonic acid (PFHxS)	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
Perfluorononanoic acid (PFNA)	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
Perfluorodecanoic acid (PFDA)	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
Perfluorohexanoic acid (PFHxA)	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
Perfluorododecanoic acid (PFDoA)	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
Perfluorotridecanoic acid (PFTrDA)	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
Perfluoroundecanoic acid (PFUnA)	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
N-ethyl	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
Perfluorooctanesulfonamidoacetic acid								
N-methyl	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
Perfluorooctanesulfonamidoacetic acid								
HFPO-DA/GenX	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
ADONA	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
9Cl-PF3ONS/F-53B Major	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
11Cl-PF3OUdS/F-53B Minor	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
Perfluorotetradecanoic acid (PFTeDA)	<2.3		2.3	ng/L	\$	05/25/21 0615	05/25/21 2218	KR
Surrogate: SS-NEtFOSAA-d5	89	Limit: 70-130		% Rec		05/25/21 0615	05/25/21 2218	KR
Surrogate: SS-PFDA-13C2	92	Limit: 70-130		% Rec		05/25/21 0615	05/25/21 2218	KR
Surrogate: SS-PFHxA-13C2	94	Limit: 70-130		% Rec		05/25/21 0615	05/25/21 2218	KR
Surrogate: SS-HFPO-DA-13C3	90	Limit: 70-130		% Rec		05/25/21 0615	05/25/21 2218	KR

Client Sample ID: Applewood	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 05/13/2021 12:05
Lab Sample ID: J1E1049-03	

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		06/01/21 0800	06/08/21 1828	ARM
Surrogate: 1,4-Dioxane-d8	74.0	Limit: 70-130		% Rec		06/01/21 0800	06/08/21 1828	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.



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Definitions

- \$: \$ The state of origin does not offer certification for this parameter.
- 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. - Dayville
11549

New York State Department of Health

Eurofins Eaton Analytical, Inc. - South Bend
NY Lab ID No.: 11398
PA DEP ID: 68-00466

New York State Department of Health
Pennsylvania Department of Environmental Protection

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: 06/15/2021 10:16

Microbac Laboratories, Inc.

3821 Buck Dr. | Cortland, NY 13045 | 607-753-3403 p | www.microbac.com



Chain of Custody

Microbac Laboratories, Inc., New York Division

Lab Manager: Renee Lantz



J1E1049

TAT 14 days

Town of Chenango

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

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

Project/PO Number: N/A
Tentatively Scheduled: 5/13/2021
Route: CRT-Shipped Bottle Orders

Client Sample ID: Sample Point: Approved

Lab Sample ID: J1E1049-01

Matrix: Drinking Water

Type: Grab

Sampled Date & Time: 5-13-2021/1204

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

Client Sample ID: Sample Point: Field Blank of Approved

Lab Sample ID: J1E1049-02

Matrix: Drinking Water

Type: Field Blank

Sampled Date & Time: 5-13-2021/1202

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

Client Sample ID: Sample Point: Approved

Lab Sample ID: J1E1049-03

Matrix: Drinking Water

Type: Grab

Sampled Date & Time: 5-13-2021/1205

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

Sampled/Relinquished by: <u>Lulse</u>	Date/Time: <u>5-13-2021</u>	Received by: <u>[Signature]</u>
Printed Name: <u>Client</u>	<u>1210</u>	Printed Name: <u>T. Webster</u>
Relinquished by: <u>[Signature]</u>	Date/Time: <u>5-13-2021</u>	Received by: <u>[Signature]</u>
Printed Name: <u>T. Webster</u>	<u>1600</u>	Printed Name: <u>[Signature]</u>
Relinquished by:	Date/Time:	Received by:
Printed Name:		Printed Name:



Chain of Custody

Microbac Laboratories, Inc., New York Division

Lab Manager: Renee Lantz



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Town of Chenango

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

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

Project/PO Number: N/A
Tentatively Scheduled: 5/13/2021
Route: CRT-Shipped Bottle Orders

As Received at Laboratory: On Ice: Yes / No Temp: 4.2 °C Thermometer ID: 2044 Total Containers: 4

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: