



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J2A1250

Ithaca City School District

Project Name: Caroline ES School

Ken Smith
602 Hancock ST
Ithaca, NY 14850

Project / PO Number: FN22-00315
Received: 01/27/2022
Reported: 02/21/2022

Analytical Testing Parameters

Table with 4 columns: Client Sample ID, Sample Matrix, Lab Sample ID, Collected By, Collection Date. Values include Entry Point- Kitchen, Drinking Water, J2A1250-01, Stephanie Egan-Engels, 01/27/2022 11:20.

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 data for 1,4-Dioxane and its surrogate.

Table with 4 columns: Client Sample ID, Sample Matrix, Lab Sample ID, Collected By, Collection Date. Values include FIELD BLANK, Drinking Water, J2A1250-02, Stephanie Egan-Engels, 01/27/2022.

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 a list of various PFAS compounds with their respective results and limits.

Microbac Laboratories, Inc.

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



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J2A1250

<b>Client Sample ID:</b> FIELD BLANK	<b>Collected By:</b> Stephanie Egan-Engels
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 01/27/2022
<b>Lab Sample ID:</b> J2A1250-02	

Per and Polyfluoroalkyl Substances (PFAS) by LCMSMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Surrogate: M3HFPO-DA	97.7	Limit: 70-130		% Rec		02/03/22 1123	02/08/22 2241	JWR
Surrogate: MPFDA	92.9	Limit: 70-130		% Rec		02/03/22 1123	02/08/22 2241	JWR
Surrogate: d5-N-EtFOSAA	98.8	Limit: 70-130		% Rec		02/03/22 1123	02/08/22 2241	JWR

<b>Client Sample ID:</b> Entry Point- Kitchen	<b>Collected By:</b> Stephanie Egan-Engels
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 01/27/2022 11:15
<b>Lab Sample ID:</b> J2A1250-03	

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

Per and Polyfluoroalkyl Substances (PFAS) by LCMSMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 537.1</b>								
Perfluorooctanoic acid (PFOA)	<2.00		2.00	ng/L		02/03/22 1123	02/08/22 2254	JWR
Perfluorooctane sulfonate (PFOS)	<2.00		2.00	ng/L		02/03/22 1123	02/08/22 2254	JWR
Perfluorohexanoic acid (PFHxA)	<2.00		2.00	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
Perfluoroheptanoic acid (PFHpA)	<2.00		2.00	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
Perfluorononanoic acid (PFNA)	<2.00		2.00	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
Perfluorodecanoic acid (PFDA)	<2.00		2.00	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
Perfluoroundecanoic acid (PFUdA)	<2.00		2.00	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
Perfluorododecanoic acid (PFDoA)	<2.00		2.00	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
Perfluorotridecanoic acid (PFTrDA)	<2.00		2.00	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
Perfluorotetradecanoic acid (PFTeDA)	<2.00		2.00	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
Perfluorobutane sulfonate (PFBS)	<1.80		1.80	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
Perfluorohexane sulfonate (PFHxS)	<1.80		1.80	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
N-ethylperfluorooctanesulfonamidoacetic acid	<20.0		20.0	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
N-methylperfluorooctanesulfonamidoacetic acid	<20.0		20.0	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
Hexafluoropropylene oxide dimer acid (HFPO-DA)	<12.5		12.5	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
4,8-dioxa-3H-perfluorononanoic acid (NaDONA)	<2.00		2.00	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid	<2.00		2.00	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
11Cl-PF3OUdS	<2.00		2.00	ng/L	<b>Y1</b>	02/03/22 1123	02/08/22 2254	JWR
Surrogate: MPFHxA	93.0	Limit: 70-130		% Rec		02/03/22 1123	02/08/22 2254	JWR
Surrogate: M3HFPO-DA	101	Limit: 70-130		% Rec		02/03/22 1123	02/08/22 2254	JWR
Surrogate: MPFDA	96.8	Limit: 70-130		% Rec		02/03/22 1123	02/08/22 2254	JWR
Surrogate: d5-N-EtFOSAA	99.9	Limit: 70-130		% Rec		02/03/22 1123	02/08/22 2254	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.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J2A1250

Definitions

- ng/L: Nanograms per Liter
- 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	NY State Department of Health
Microbac Laboratories, Inc. - Dayville 11549	New York State Department of Health
Microbac Laboratories, Inc., New York Division NY Lab ID No.: 10795	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: 02/21/2022 17:39

Microbac Laboratories, Inc.

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

**CHAIN OF CUSTODY RECORD**

Number  
Instructions on back

TO BE COMPLETED BY MICROBAC

**Lab Report Address**

Client Name: Ithaca City School District  
Address: 400 Lake Street  
City, State, Zip: Ithaca, NY 14850  
Contact: Ken Smith, CC: Ellen Phillips  
Telephone No.: (607) 624-7051

**Invoice Address**

Client Name: Ithaca City School District  
Address: 400 Lake Street  
City, State, Zip: Ithaca, NY 14850  
Contact: Ken Smith, CC: Ellen Phillips  
Telephone No.: (607) 624-7051

**Turnaround Time**

[] Routine (5 to 7 business days)  
[] RUSH\* (notify lab)  
Holding Time  
Samples Received on [ ] Yes [ ] No N/A  
Custody Seals Intact? [ ] Yes [ ] No N/A

Send Report via: [ ] Mail [ ] Fax [] e-mail (address) ken.smith@icsd.k12.ny.us Send Invoice via: [ ] Mail [ ] Fax [] e-mail (address) ken.smith@icsd.k12.ny.us

Project: PFOA/PFOS, 1,4-Dioxane Testing Location: CAPELINE Water Dist. PO No.: FN22-00315 Compliance Monitoring? [] Yes [ ] No  
Agency/Program: Tompkins County DOH

Sampled by (PRINT): Stephanie Egan-Engels Sampler Signature: [Signature] Sampler Phone No.: (607) 257-1555, ext. 6022

\* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)  
\*\* Preservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved



ITHACA CITY SCHOOL DISTRICT  
PM: Shannon Weeks

Lab ID	Client Sample ID (Location of sample taken. Ex: Kitchen sink, bathroom sink etc.)	Date Collected	Time Collected	No. of Containers	Matrix	Grab / Comp	Preservative Types *	Sample Disposition	Received By (Signature)	Date/Time	Additional Notes
	Entry Point - Kitchen	1/17/2022	1:20 AM	2	DW	G	Trizma	X	[Signature]	1/21/22	
	Field Blank	1/17/2022		1	LW	G	Trizma	X			
	Entry Point - Kitchen	1/17/2022	11:15 AM	2	DW	G	Na2SO3/NaHSO4	X			MS/MSD included

**REQUESTED ANALYSIS**

EPA522 - Dioxane  
EPA537 - PFOA/PFOS

Possible Hazard Identification [ ] Hazardous [] Non-Hazardous [ ] Radioactive [ ] Disposition as appropriate [ ] Return [ ] Archive

**Carbon Copy to: Tompkins County DOH**  
Email Results to:  
jdrew@tstbooces.org segan@tstbooces.org  
malo@tstbooces.org mmirou@tstbooces.org  
ephillips@icsd.k12.ny.us