



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Elmira Water Board

Project Name: NY Drinking Water

Kaden Cole
One Fountain DR
Elmira, NY 14905

Project / PO Number: N/A
Received: 05/18/2023
Reported: 05/31/2023

Analytical Testing Parameters

Client Sample ID: Filter Plant
Sample Matrix: Drinking Water
Lab Sample ID: S3E0447-01

Collected By: Kaden Cole
Collection Date: 05/17/2023 12:18

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Table with 9 columns: Volatile Organic Compounds by GCMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Rows include various compounds like Benzene, Bromobenzene, etc., with their respective results and limits.



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Filter Plant	Collected By: Kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/17/2023 12:18
Lab Sample ID: S3E0447-01	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,1-Dichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
1,3-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
2,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
1,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
1,1-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
trans-1,3-Dichloropropene	<0.00050		0.00050	mg/L			05/24/23 1604	IMM
cis-1,3-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
Ethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
Hexachlorobutadiene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
Isopropylbenzene (Cumene)	<0.00050		0.00050	mg/L			05/24/23 1604	IMM
4-Isopropyltoluene (p-Isopropyltoluene)	<0.00050		0.00050	mg/L			05/24/23 1604	IMM
Methyl tert-butyl ether (MTBE)	<0.00050		0.00050	mg/L			05/24/23 1604	IMM
Methylene chloride (Dichloromethane)	<0.00050	0.005 MCL	0.00050	mg/L			05/24/23 1604	IMM
Naphthalene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
n-Propylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
Styrene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
1,1,1,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
1,1,1,2,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
Tetrachloroethene	<0.00050	0.005 MCL	0.00050	mg/L			05/24/23 1604	IMM
Toluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
1,2,4-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
1,2,3-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
1,1,1-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
1,1,2-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
Trichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
Trichlorofluoromethane (Freon 11)	<0.00050		0.00050	mg/L			05/24/23 1604	IMM
1,2,3-Trichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
1,2,4-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
1,3,5-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Filter Plant
Sample Matrix: Drinking Water
Lab Sample ID: S3E0447-01

Collected By: Kaden Cole
Collection Date: 05/17/2023 12:18

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Vinyl chloride	<0.00050	0.002 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
m,p-Xylene	<0.00050		0.00050	mg/L			05/24/23 1604	IMM
o-Xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
Xylenes (total)	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1604	IMM
Surrogate: 4-Bromofluorobenzene	90.2	Limit: 70-130		% Rec			05/24/23 1604	IMM
Surrogate: 1,2-Dichlorobenzene-d4	105	Limit: 70-130		% Rec			05/24/23 1604	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Hudson	Collected By: Kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/17/2023 13:23
Lab Sample ID: S3E0447-02	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 524.2, Rv. 4.1 (1995)								
Benzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Bromobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Bromochloromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Bromodichloromethane	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
Bromoform	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
Bromomethane	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
tert-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
sec-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
n-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Carbon tetrachloride	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Chlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Chloroethane (Ethyl chloride)	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
Chloroform	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
Chloromethane	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
2-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
4-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Dibromochloromethane	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
Dibromomethane (Methylene bromide)	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
1,4-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
1,2-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
1,3-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Dichlorodifluoromethane (Freon-12)	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
1,2-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
1,1-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
trans-1,2-Dichloroethene	<0.00050	0.1 MCL	0.00050	mg/L			05/24/23 1629	IMM
cis-1,2-Dichloroethene	<0.00050	0.07 MCL	0.00050	mg/L			05/24/23 1629	IMM
1,1-Dichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
1,3-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
2,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
1,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Hudson	Collected By: Kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/17/2023 13:23
Lab Sample ID: S3E0447-02	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,1-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
trans-1,3-Dichloropropene	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
cis-1,3-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Ethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Hexachlorobutadiene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Isopropylbenzene (Cumene)	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
4-Isopropyltoluene (p-Isopropyltoluene)	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
Methyl tert-butyl ether (MTBE)	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
Methylene chloride (Dichloromethane)	<0.00050	0.005 MCL	0.00050	mg/L			05/24/23 1629	IMM
Naphthalene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
n-Propylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Styrene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
1,1,1,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
1,1,2,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Tetrachloroethene	<0.00050	0.005 MCL	0.00050	mg/L			05/24/23 1629	IMM
Toluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
1,2,4-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
1,2,3-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
1,1,1-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
1,1,2-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Trichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Trichlorofluoromethane (Freon 11)	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
1,2,3-Trichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
1,2,4-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
1,3,5-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Vinyl chloride	<0.00050	0.002 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
m,p-Xylene	<0.00050		0.00050	mg/L			05/24/23 1629	IMM
o-Xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Xylenes (total)	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1629	IMM
Surrogate: 4-Bromofluorobenzene	87.6	Limit: 70-130		% Rec			05/24/23 1629	IMM
Surrogate: 1,2-Dichlorobenzene-d4	103	Limit: 70-130		% Rec			05/24/23 1629	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Hudson
Sample Matrix: Drinking Water
Lab Sample ID: S3E0447-02

Collected By: Kaden Cole
Collection Date: 05/17/2023 13:23

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Foster Island #40

Sample Matrix: Drinking Water

Lab Sample ID: S3E0447-03

Collected By: Kaden Cole

Collection Date: 05/17/2023 13:39

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 524.2, Rv. 4.1 (1995)								
Benzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Bromobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Bromochloromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Bromodichloromethane	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
Bromoform	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
Bromomethane	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
tert-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
sec-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
n-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Carbon tetrachloride	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Chlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Chloroethane (Ethyl chloride)	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
Chloroform	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
Chloromethane	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
2-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
4-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Dibromochloromethane	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
Dibromomethane (Methylene bromide)	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
1,4-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
1,2-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
1,3-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Dichlorodifluoromethane (Freon-12)	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
1,2-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
1,1-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
trans-1,2-Dichloroethene	<0.00050	0.1 MCL	0.00050	mg/L			05/24/23 1654	IMM
cis-1,2-Dichloroethene	<0.00050	0.07 MCL	0.00050	mg/L			05/24/23 1654	IMM
1,1-Dichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
1,3-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
2,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
1,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Foster Island #40	Collected By: Kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/17/2023 13:39
Lab Sample ID: S3E0447-03	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,1-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
trans-1,3-Dichloropropene	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
cis-1,3-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Ethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Hexachlorobutadiene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Isopropylbenzene (Cumene)	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
4-Isopropyltoluene (p-Isopropyltoluene)	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
Methyl tert-butyl ether (MTBE)	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
Methylene chloride (Dichloromethane)	<0.00050	0.005 MCL	0.00050	mg/L			05/24/23 1654	IMM
Naphthalene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
n-Propylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Styrene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
1,1,1,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
1,1,2,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Tetrachloroethene	<0.00050	0.005 MCL	0.00050	mg/L			05/24/23 1654	IMM
Toluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
1,2,4-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
1,2,3-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
1,1,1-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
1,1,2-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Trichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Trichlorofluoromethane (Freon 11)	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
1,2,3-Trichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
1,2,4-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
1,3,5-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Vinyl chloride	<0.00050	0.002 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
m,p-Xylene	<0.00050		0.00050	mg/L			05/24/23 1654	IMM
o-Xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Xylenes (total)	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1654	IMM
Surrogate: 4-Bromofluorobenzene	89.2	Limit: 70-130		% Rec			05/24/23 1654	IMM
Surrogate: 1,2-Dichlorobenzene-d4	108	Limit: 70-130		% Rec			05/24/23 1654	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Foster Island #40	Collected By: Kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/17/2023 13:39
Lab Sample ID: S3E0447-03	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Foster Island #41
 Sample Matrix: Drinking Water
 Lab Sample ID: S3E0447-04

Collected By: Kaden Cole
 Collection Date: 05/17/2023 13:46

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 524.2, Rv. 4.1 (1995)								
Benzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Bromobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Bromochloromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Bromodichloromethane	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
Bromoform	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
Bromomethane	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
tert-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
sec-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
n-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Carbon tetrachloride	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Chlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Chloroethane (Ethyl chloride)	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
Chloroform	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
Chloromethane	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
2-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
4-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Dibromochloromethane	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
Dibromomethane (Methylene bromide)	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
1,4-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
1,2-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
1,3-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Dichlorodifluoromethane (Freon-12)	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
1,2-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
1,1-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
trans-1,2-Dichloroethene	<0.00050	0.1 MCL	0.00050	mg/L			05/24/23 1718	IMM
cis-1,2-Dichloroethene	<0.00050	0.07 MCL	0.00050	mg/L			05/24/23 1718	IMM
1,1-Dichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
1,3-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
2,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
1,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Foster Island #41	Collected By: Kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/17/2023 13:46
Lab Sample ID: S3E0447-04	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,1-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
trans-1,3-Dichloropropene	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
cis-1,3-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Ethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Hexachlorobutadiene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Isopropylbenzene (Cumene)	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
4-Isopropyltoluene (p-Isopropyltoluene)	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
Methyl tert-butyl ether (MTBE)	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
Methylene chloride (Dichloromethane)	<0.00050	0.005 MCL	0.00050	mg/L			05/24/23 1718	IMM
Naphthalene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
n-Propylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Styrene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
1,1,1,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
1,1,2,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Tetrachloroethene	0.00074	0.005 MCL	0.00050	mg/L			05/24/23 1718	IMM
Toluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
1,2,4-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
1,2,3-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
1,1,1-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
1,1,2-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Trichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Trichlorofluoromethane (Freon 11)	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
1,2,3-Trichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
1,2,4-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
1,3,5-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Vinyl chloride	<0.00050	0.002 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
m,p-Xylene	<0.00050		0.00050	mg/L			05/24/23 1718	IMM
o-Xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Xylenes (total)	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1718	IMM
Surrogate: 4-Bromofluorobenzene	89.4	Limit: 70-130		% Rec			05/24/23 1718	IMM
Surrogate: 1,2-Dichlorobenzene-d4	109	Limit: 70-130		% Rec			05/24/23 1718	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Foster Island #41	Collected By: Kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/17/2023 13:46
Lab Sample ID: S3E0447-04	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Foster Island #42	Collected By: kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/17/2023 13:52
Lab Sample ID: S3E0447-05	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 524.2, Rv. 4.1 (1995)								
Benzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Bromobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Bromochloromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Bromodichloromethane	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
Bromoform	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
Bromomethane	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
tert-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
sec-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
n-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Carbon tetrachloride	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Chlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Chloroethane (Ethyl chloride)	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
Chloroform	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
Chloromethane	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
2-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
4-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Dibromochloromethane	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
Dibromomethane (Methylene bromide)	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
1,4-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
1,2-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
1,3-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Dichlorodifluoromethane (Freon-12)	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
1,2-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
1,1-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
trans-1,2-Dichloroethene	<0.00050	0.1 MCL	0.00050	mg/L			05/24/23 1743	IMM
cis-1,2-Dichloroethene	0.00090	0.07 MCL	0.00050	mg/L			05/24/23 1743	IMM
1,1-Dichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
1,3-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
2,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
1,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Foster Island #42	Collected By: kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/17/2023 13:52
Lab Sample ID: S3E0447-05	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,1-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
trans-1,3-Dichloropropene	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
cis-1,3-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Ethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Hexachlorobutadiene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Isopropylbenzene (Cumene)	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
4-Isopropyltoluene (p-Isopropyltoluene)	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
Methyl tert-butyl ether (MTBE)	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
Methylene chloride (Dichloromethane)	<0.00050	0.005 MCL	0.00050	mg/L			05/24/23 1743	IMM
Naphthalene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
n-Propylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Styrene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
1,1,1,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
1,1,2,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Tetrachloroethene	0.00487	0.005 MCL	0.00050	mg/L			05/24/23 1743	IMM
Toluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
1,2,4-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
1,2,3-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
1,1,1-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
1,1,2-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Trichloroethene	0.00065	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Trichlorofluoromethane (Freon 11)	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
1,2,3-Trichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
1,2,4-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
1,3,5-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Vinyl chloride	<0.00050	0.002 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
m,p-Xylene	<0.00050		0.00050	mg/L			05/24/23 1743	IMM
o-Xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Xylenes (total)	<0.00050	0.005 NYVOA	0.00050	mg/L			05/24/23 1743	IMM
Surrogate: 4-Bromofluorobenzene	85.4	Limit: 70-130		% Rec			05/24/23 1743	IMM
Surrogate: 1,2-Dichlorobenzene-d4	108	Limit: 70-130		% Rec			05/24/23 1743	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Foster Island #42

Sample Matrix: Drinking Water

Lab Sample ID: S3E0447-05

Collected By: kaden Cole

Collection Date: 05/17/2023 13:52

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Trip Blank	Collected By: Kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/15/2023 13:46
Lab Sample ID: S3E0447-09	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 524.2, Rv. 4.1 (1995)								
Benzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Bromobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Bromochloromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Bromodichloromethane	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
Bromoform	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
Bromomethane	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
tert-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
sec-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
n-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Carbon tetrachloride	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Chlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Chloroethane (Ethyl chloride)	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
Chloroform	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
Chloromethane	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
2-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
4-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Dibromochloromethane	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
Dibromomethane (Methylene bromide)	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
1,4-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
1,2-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
1,3-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Dichlorodifluoromethane (Freon-12)	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
1,2-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
1,1-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
trans-1,2-Dichloroethene	<0.00050	0.1 MCL	0.00050	mg/L			05/25/23 1857	IMM
cis-1,2-Dichloroethene	<0.00050	0.07 MCL	0.00050	mg/L			05/25/23 1857	IMM
1,1-Dichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
1,3-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
2,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
1,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Trip Blank	Collected By: Kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/15/2023 13:46
Lab Sample ID: S3E0447-09	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,1-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
trans-1,3-Dichloropropene	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
cis-1,3-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Ethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Hexachlorobutadiene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Isopropylbenzene (Cumene)	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
4-Isopropyltoluene (p-Isopropyltoluene)	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
Methyl tert-butyl ether (MTBE)	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
Methylene chloride (Dichloromethane)	<0.00050	0.005 MCL	0.00050	mg/L			05/25/23 1857	IMM
Naphthalene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
n-Propylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Styrene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
1,1,1,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
1,1,2,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Tetrachloroethene	<0.00050	0.005 MCL	0.00050	mg/L			05/25/23 1857	IMM
Toluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
1,2,4-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
1,2,3-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
1,1,1-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
1,1,2-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Trichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Trichlorofluoromethane (Freon 11)	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
1,2,3-Trichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
1,2,4-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
1,3,5-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Vinyl chloride	<0.00050	0.002 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
m,p-Xylene	<0.00050		0.00050	mg/L			05/25/23 1857	IMM
o-Xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Xylenes (total)	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1857	IMM
Surrogate: 4-Bromofluorobenzene	85.4	Limit: 70-130		% Rec			05/25/23 1857	IMM
Surrogate: 1,2-Dichlorobenzene-d4	103	Limit: 70-130		% Rec			05/25/23 1857	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Trip Blank
Sample Matrix: Drinking Water
Lab Sample ID: S3E0447-09

Collected By: Kaden Cole
Collection Date: 05/15/2023 13:46

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Trip Blank
 Sample Matrix: Drinking Water
 Lab Sample ID: S3E0447-10

Collected By: Kaden Cole
 Collection Date: 05/15/2023 13:39

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 524.2, Rv. 4.1 (1995)								
Benzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Bromobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Bromochloromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Bromodichloromethane	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
Bromoform	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
Bromomethane	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
tert-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
sec-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
n-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Carbon tetrachloride	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Chlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Chloroethane (Ethyl chloride)	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
Chloroform	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
Chloromethane	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
2-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
4-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Dibromochloromethane	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
Dibromomethane (Methylene bromide)	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
1,4-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
1,2-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
1,3-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Dichlorodifluoromethane (Freon-12)	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
1,2-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
1,1-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
trans-1,2-Dichloroethene	<0.00050	0.1 MCL	0.00050	mg/L			05/25/23 1921	IMM
cis-1,2-Dichloroethene	<0.00050	0.07 MCL	0.00050	mg/L			05/25/23 1921	IMM
1,1-Dichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
1,3-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
2,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
1,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Trip Blank	Collected By: Kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/15/2023 13:39
Lab Sample ID: S3E0447-10	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,1-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
trans-1,3-Dichloropropene	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
cis-1,3-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Ethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Hexachlorobutadiene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Isopropylbenzene (Cumene)	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
4-Isopropyltoluene (p-Isopropyltoluene)	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
Methyl tert-butyl ether (MTBE)	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
Methylene chloride (Dichloromethane)	<0.00050	0.005 MCL	0.00050	mg/L			05/25/23 1921	IMM
Naphthalene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
n-Propylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Styrene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
1,1,1,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
1,1,2,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Tetrachloroethene	<0.00050	0.005 MCL	0.00050	mg/L			05/25/23 1921	IMM
Toluene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
1,2,4-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
1,2,3-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
1,1,1-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
1,1,2-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Trichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Trichlorofluoromethane (Freon 11)	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
1,2,3-Trichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
1,2,4-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
1,3,5-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Vinyl chloride	<0.00050	0.002 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
m,p-Xylene	<0.00050		0.00050	mg/L			05/25/23 1921	IMM
o-Xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Xylenes (total)	<0.00050	0.005 NYVOA	0.00050	mg/L			05/25/23 1921	IMM
Surrogate: 4-Bromofluorobenzene	87.2	Limit: 70-130		% Rec			05/25/23 1921	IMM
Surrogate: 1,2-Dichlorobenzene-d4	102	Limit: 70-130		% Rec			05/25/23 1921	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0447

Client Sample ID: Trip Blank	Collected By: Kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/15/2023 13:39
Lab Sample ID: S3E0447-10	

Volatil Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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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

- MCL:** US EPA Maximum Contaminant Level
- mg/L:** Milligrams 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

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:

Joseph Palanza
Project Manager
Reported: 05/31/2023 10:27

CHAIN OF CUSTODY

MNY Workorder # _____

Client Information		Billing/Invoice:		Analysis Requested			
Name: <u>Elmira Water Board</u>				VOC			
Address: <u>1 Fountain Dr. Elmira</u>							
<u>NY 14905</u>							
Contact: <u>Kaden Cole</u>							
Phone: <u>(607)-732-7277</u>							
Project:							
Quote ID:		PO#:					
Rush TAT Bus. Days: <2 2-5 5-7 7-10		Date Req.:					
Release to DOH: Yes							
Email Results: Yes							
Fax Results: Yes							

Receiving Info (Lab Use Only)	
Ice:	YES NO
Cooler:	YES NO
Sample Temp:	
Cooler Seal:	YES NO
Pickup:	YES NO
Dropoff:	C W
Accepted?	YES NO
Container Material	
Container Size (in ml)	
Preservative	

Sample Information				Matrix	Number of Containers for Analysis Requested				Comments/Field Data
Description/Location	Date	Time	Initial	Type					
1 VOC Filter Plant	5/17/23	12:18	KC						
2 VOC Hudson	5/17/23	1:23	KC						
3 VOC Fosters #40	5/17/23	1:39	KC						
4 VOC Fosters #41	5/17/23	1:46	KC						
5 VOC Fosters #42	5/17/23	1:52	KC						
6									
7									
8									



Print Name and Company	Signature	Date/Time	Comments
Sampled: <u>Kaden Cole Elmira Water Board</u>	<u>Kaden Cole</u>	<u>9:02</u>	***PLACE ALL SAMPLES IN BAGS WITH ICE.***
Received: <u>E.T. Timmer 3</u>	<u>[Signature]</u>	<u>5-18-23</u>	
Received:			
Received:			
Received:			
Received: <u>MADONNO</u>	<u>Kim Jones</u>	<u>5/19/23 8:30am #7</u>	<u>Temp: 7.6</u>

Microbac Laboratories (MNY) may be unable to perform a portion of the requested testing in which case we will subcontract the analysis to another accredited laboratory. By signing this document you are attesting that you have been informed by MNY of the intent to subcontract and are in agreement with this action.