



Microbac Laboratories, Inc., Sayre Division
 CERTIFICATE OF ANALYSIS
 S4B0359

Elmira Water Board

Project Name: NY Drinking Water

David McCarty
 One Fountain DR
 Elmira, NY 14905

Project / PO Number: N/A
 Received: 02/22/2024
 Reported: 03/08/2024

Analytical Testing Parameters

Client Sample ID:	Filter Plant Entry Point	Collected By:	David McCarty
Sample Matrix:	Drinking Water	Collection Date:	02/21/2024 14:28
Lab Sample ID:	S4B0359-01		

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			02/28/24 1449	RSD
Bromobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Bromochloromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Bromodichloromethane	0.00682		0.00050	mg/L			02/28/24 1449	RSD
Bromoform	<0.00050		0.00050	mg/L			02/28/24 1449	RSD
n-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
sec-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
tert-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Carbon tetrachloride	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Chlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Chlorodibromomethane	0.00415		0.00050	mg/L			02/28/24 1449	RSD
Chloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Chloroform	0.00596		0.00050	mg/L			02/28/24 1449	RSD
2-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
4-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Dibromomethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,2-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,3-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,4-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Dichlorodifluoromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,1-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,2-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,1-Dichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S4B0359

Client Sample ID: Filter Plant Entry Point	Collected By: David McCarty
Sample Matrix: Drinking Water	Collection Date: 02/21/2024 14:28
Lab Sample ID: S4B0359-01	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
cis-1,2-Dichloroethylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
trans-1,2-Dichloroethylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,3-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
2,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,1-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
cis-1,3-Dichloropropylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
trans-1,3-Dichloropropylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Ethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Hexachlorobutadiene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Isopropylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
4-Isopropyltoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Methyl bromide	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Methyl chloride	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Methyl tert-butyl ether	<0.00050	0.01 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Methylene chloride	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Naphthalene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
n-Propylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Styrene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,1,1,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,1,1,2,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Tetrachloroethylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Toluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,2,3-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,2,4-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,1,1-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,1,2-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S4B0359

Client Sample ID: Filter Plant Entry Point	Collected By: David McCarty
Sample Matrix: Drinking Water	Collection Date: 02/21/2024 14:28
Lab Sample ID: S4B0359-01	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Trichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Trichlorofluoromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,2,3-Trichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,2,4-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
1,3,5-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Vinyl chloride	<0.00050	0.002 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
m&p-xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
o-Xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Xylenes (total)	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1449	RSD
Surrogate: 4-Bromofluorobenzene	99.8	Limit: 70-130		% Rec			02/28/24 1449	RSD
Surrogate: 1,2-Dichlorobenzene-d4	107	Limit: 70-130		% Rec			02/28/24 1449	RSD



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S4B0359

Client Sample ID: Foster Island #40	Collected By: David McCarty
Sample Matrix: Drinking Water	Collection Date: 02/21/2024 13:40
Lab Sample ID: S4B0359-02	

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			02/28/24 1514	RSD
Bromobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Bromochloromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Bromodichloromethane	<0.00050		0.00050	mg/L			02/28/24 1514	RSD
Bromoform	<0.00050		0.00050	mg/L			02/28/24 1514	RSD
n-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
sec-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
tert-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Carbon tetrachloride	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Chlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Chlorodibromomethane	<0.00050		0.00050	mg/L			02/28/24 1514	RSD
Chloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Chloroform	0.00052		0.00050	mg/L			02/28/24 1514	RSD
2-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
4-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Dibromomethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,2-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,3-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,4-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Dichlorodifluoromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,1-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,2-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,1-Dichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
cis-1,2-Dichloroethylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
trans-1,2-Dichloroethylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,3-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S4B0359

Client Sample ID: Foster Island #40	Collected By: David McCarty
Sample Matrix: Drinking Water	Collection Date: 02/21/2024 13:40
Lab Sample ID: S4B0359-02	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
2,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,1-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
cis-1,3-Dichloropropylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
trans-1,3-Dichloropropylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Ethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Hexachlorobutadiene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Isopropylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
4-Isopropyltoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Methyl bromide	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Methyl chloride	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Methyl tert-butyl ether	<0.00050	0.01 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Methylene chloride	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Naphthalene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
n-Propylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Styrene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,1,1,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,1,2,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Tetrachloroethylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Toluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,2,3-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,2,4-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,1,1-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,1,2-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Trichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Trichlorofluoromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,2,3-Trichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
1,2,4-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S4B0359

Client Sample ID: Foster Island #40	Collected By: David McCarty
Sample Matrix: Drinking Water	Collection Date: 02/21/2024 13:40
Lab Sample ID: S4B0359-02	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,3,5-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Vinyl chloride	<0.00050	0.002 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
m&p-xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
o-Xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Xylenes (total)	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1514	RSD
Surrogate: 4-Bromofluorobenzene	104	Limit: 70-130		% Rec			02/28/24 1514	RSD
Surrogate: 1,2-Dichlorobenzene-d4	106	Limit: 70-130		% Rec			02/28/24 1514	RSD



Microbac Laboratories, Inc., Sayre Division
 CERTIFICATE OF ANALYSIS
 S4B0359

Client Sample ID: Foster Island #41	Collected By: David McCarty
Sample Matrix: Drinking Water	Collection Date: 02/21/2024 13:52
Lab Sample ID: S4B0359-03	

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			02/28/24 1539	RSD
Bromobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Bromochloromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Bromodichloromethane	<0.00050		0.00050	mg/L			02/28/24 1539	RSD
Bromoform	<0.00050		0.00050	mg/L			02/28/24 1539	RSD
n-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
sec-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
tert-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Carbon tetrachloride	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Chlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Chlorodibromomethane	<0.00050		0.00050	mg/L			02/28/24 1539	RSD
Chloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Chloroform	<0.00050		0.00050	mg/L			02/28/24 1539	RSD
2-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
4-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Dibromomethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,2-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,3-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,4-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Dichlorodifluoromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,1-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,2-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,1-Dichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
cis-1,2-Dichloroethylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
trans-1,2-Dichloroethylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,3-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S4B0359

Client Sample ID: Foster Island #41	Collected By: David McCarty
Sample Matrix: Drinking Water	Collection Date: 02/21/2024 13:52
Lab Sample ID: S4B0359-03	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
2,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,1-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
cis-1,3-Dichloropropylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
trans-1,3-Dichloropropylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Ethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Hexachlorobutadiene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Isopropylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
4-Isopropyltoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Methyl bromide	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Methyl chloride	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Methyl tert-butyl ether	<0.00050	0.01 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Methylene chloride	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Naphthalene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
n-Propylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Styrene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,1,1,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,1,2,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Tetrachloroethylene	0.00086	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Toluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,2,3-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,2,4-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,1,1-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,1,2-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Trichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Trichlorofluoromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,2,3-Trichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
1,2,4-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S4B0359

Client Sample ID: Foster Island #41	Collected By: David McCarty
Sample Matrix: Drinking Water	Collection Date: 02/21/2024 13:52
Lab Sample ID: S4B0359-03	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,3,5-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Vinyl chloride	<0.00050	0.002 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
m&p-xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
o-Xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Xylenes (total)	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1539	RSD
Surrogate: 4-Bromofluorobenzene	105	Limit: 70-130		% Rec			02/28/24 1539	RSD
Surrogate: 1,2-Dichlorobenzene-d4	111	Limit: 70-130		% Rec			02/28/24 1539	RSD



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S4B0359

Client Sample ID: Foster Island #42

Sample Matrix: Drinking Water

Lab Sample ID: S4B0359-04

Collected By: David McCarty

Collection Date: 02/21/2024 14:05

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			02/28/24 1628	RSD
Bromobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Bromochloromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Bromodichloromethane	<0.00050		0.00050	mg/L			02/28/24 1628	RSD
Bromoform	<0.00050		0.00050	mg/L			02/28/24 1628	RSD
n-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
sec-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
tert-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Carbon tetrachloride	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Chlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Chlorodibromomethane	<0.00050		0.00050	mg/L			02/28/24 1628	RSD
Chloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Chloroform	<0.00050		0.00050	mg/L			02/28/24 1628	RSD
2-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
4-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Dibromomethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,2-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,3-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,4-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Dichlorodifluoromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,1-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,2-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,1-Dichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
cis-1,2-Dichloroethylene	0.00098	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
trans-1,2-Dichloroethylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,3-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S4B0359

Client Sample ID: Foster Island #42	Collected By: David McCarty
Sample Matrix: Drinking Water	Collection Date: 02/21/2024 14:05
Lab Sample ID: S4B0359-04	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
2,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,1-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
cis-1,3-Dichloropropylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
trans-1,3-Dichloropropylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Ethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Hexachlorobutadiene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Isopropylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
4-Isopropyltoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Methyl bromide	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Methyl chloride	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Methyl tert-butyl ether	<0.00050	0.01 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Methylene chloride	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Naphthalene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
n-Propylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Styrene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,1,1,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,1,2,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Tetrachloroethylene	0.00619	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Toluene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,2,3-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,2,4-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,1,1-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,1,2-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Trichloroethene	0.00083	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Trichlorofluoromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,2,3-Trichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
1,2,4-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S4B0359

Client Sample ID: Foster Island #42	Collected By: David McCarty
Sample Matrix: Drinking Water	Collection Date: 02/21/2024 14:05
Lab Sample ID: S4B0359-04	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,3,5-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Vinyl chloride	<0.00050	0.002 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
m&p-xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
o-Xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Xylenes (total)	<0.00050	0.005 NYVOA	0.00050	mg/L			02/28/24 1628	RSD
Surrogate: 4-Bromofluorobenzene	104	Limit: 70-130		% Rec			02/28/24 1628	RSD
Surrogate: 1,2-Dichlorobenzene-d4	105	Limit: 70-130		% Rec			02/28/24 1628	RSD



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S4B0359

Client Sample ID: 524.2 Trip Blank

Sample Matrix: Drinking Water

Lab Sample ID: S4B0359-05

Collected By: David McCarty

Collection Date: 02/21/2024

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			03/06/24 1218	AFG
Bromobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Bromochloromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Bromodichloromethane	<0.00050		0.00050	mg/L			03/06/24 1218	AFG
Bromoform	<0.00050		0.00050	mg/L			03/06/24 1218	AFG
n-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
sec-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
tert-Butylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Carbon tetrachloride	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Chlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Chlorodibromomethane	<0.00050		0.00050	mg/L			03/06/24 1218	AFG
Chloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Chloroform	<0.00050		0.00050	mg/L			03/06/24 1218	AFG
2-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
4-Chlorotoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Dibromomethane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,2-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,3-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,4-Dichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Dichlorodifluoromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,1-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,2-Dichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,1-Dichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
cis-1,2-Dichloroethylene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
trans-1,2-Dichloroethylene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,3-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S4B0359

Client Sample ID: 524.2 Trip Blank	Collected By: David McCarty
Sample Matrix: Drinking Water	Collection Date: 02/21/2024
Lab Sample ID: S4B0359-05	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
2,2-Dichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,1-Dichloropropene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
cis-1,3-Dichloropropylene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
trans-1,3-Dichloropropylene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Ethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Hexachlorobutadiene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Isopropylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
4-Isopropyltoluene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Methyl bromide	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Methyl chloride	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Methyl tert-butyl ether	<0.00050	0.01 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Methylene chloride	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Naphthalene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
n-Propylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Styrene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,1,1,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,1,2,2-Tetrachloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Tetrachloroethylene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Toluene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,2,3-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,2,4-Trichlorobenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,1,1-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,1,2-Trichloroethane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Trichloroethene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Trichlorofluoromethane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,2,3-Trichloropropane	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
1,2,4-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S4B0359

Client Sample ID: 524.2 Trip Blank	Collected By: David McCarty
Sample Matrix: Drinking Water	Collection Date: 02/21/2024
Lab Sample ID: S4B0359-05	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,3,5-Trimethylbenzene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Vinyl chloride	<0.00050	0.002 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
m&p-xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
o-Xylene	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Xylenes (total)	<0.00050	0.005 NYVOA	0.00050	mg/L			03/06/24 1218	AFG
Surrogate: 4-Bromofluorobenzene	115	Limit: 70-130		% Rec			03/06/24 1218	AFG
Surrogate: 1,2-Dichlorobenzene-d4	121	Limit: 70-130		% Rec			03/06/24 1218	AFG

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: 03/08/2024 11:12



TAT 7 days

Elmira Water Board

Project Name: NY Drinking Water

David McCarty
 One Fountain DR
 Elmira, NY 14905
 Phone: (607) 732-2277
 lab.results@elmirawaterboard.org

Project/PO Number: N/A
 Tentatively Scheduled: 2/12/2024
 Route: NY-Route 4 WNY

Client Sample ID: Filter Plant Entry Point

Lab Sample ID: S4B0359-01

Matrix: Drinking Water

Sampled Date & Time: 2/21/24 2:28 pm

Type: Grab

Analysis	Method	Field Results/Comments	Hold Time
524.2 VOC	EPA 524.2, Rv. 4.1 (1995)	524.2 VOC NY VERSION	14 days
		Container(s)	Designator
		40ml-Vial-Ascorbic, HCL	A
		40ml-Vial-Ascorbic, HCL	B

Client Sample ID: Foster Island #40

Lab Sample ID: S4B0359-02

Matrix: Drinking Water

Sampled Date & Time: 2/21/24 1:40 pm (2/21/24 KS)

Type: Grab

Analysis	Method	Field Results/Comments	Hold Time
524.2 VOC	EPA 524.2, Rv. 4.1 (1995)	524.2 VOC NY VERSION	14 days
		Container(s)	Designator
		40ml-Vial-Ascorbic, HCL	A
		40ml-Vial-Ascorbic, HCL	B

Client Sample ID: Foster Island #41

Lab Sample ID: S4B0359-03

Matrix: Drinking Water

Sampled Date & Time: 2/21/24 1:52 pm

Type: Grab

Analysis	Method	Field Results/Comments	Hold Time
524.2 VOC	EPA 524.2, Rv. 4.1 (1995)	524.2 VOC NY VERSION	14 days
		Container(s)	Designator
		40ml-Vial-Ascorbic, HCL	A
		40ml-Vial-Ascorbic, HCL	B



Chain of Custody

Microbac Laboratories, Inc., Sayre Division

Lab Contact: Joseph Palanza



S4B0359

Elmira Water Board

David McCarty
One Fountain DR
Elmira, NY 14905
Phone: (607) 732-2277
lab.results@elmirawaterboard.org

Project Name: NY Drinking Water

Project/PO Number: N/A
Tenatively Scheduled: 2/12/2024
Route: NY-Route 4 WNY

Client Sample ID: Foster Island #42

Lab Sample ID: S4B0359-04

Matrix: Drinking Water

Type: Grab

Sampled Date & Time: 2/21/24 2:05pm

Table with 4 columns: Analysis, Method, Field Results/Comments, Hold Time. Row 1: 524.2 VOC, EPA 524.2, Rv. 4.1 (1995), 524.2 VOC NY VERSION, 14 days. Sub-rows for Container(s): 40ml-Vial-Ascorbic, HCL, Designator: A, B.

Client Sample ID: 524.2 Trip Blank

Lab Sample ID: S4B0359-05

Matrix: Drinking Water

Type: Trip Blank

Sampled Date & Time:

Table with 4 columns: Analysis, Method, Field Results/Comments, Hold Time. Row 1: 524.2 VOC, EPA 524.2, Rv. 4.1 (1995), 524.2 VOC NY VERSION, 14 days. Sub-rows for Container(s): 40ml-Vial-Ascorbic, HCL, Designator: A.

Handwritten signature table with columns: Relinquished by, Date/Time, Received by, Printed Name. Includes signatures of David McCarty and EJ. Thomas.

As Received at Laboratory: On Ice: (Yes/No) Temp: 3.1 °C Thermometer ID: 7 Custody Seal: Yes / No (NA) Total Containers: 9.00

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: