



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J8H2006

Elmira Water Board

Project Name: Foster Island

Rose Martino
One Fountain Drive
Elmira, NY 14905

Project / PO Number: N/A
Received: 08/21/2018
Reported: 08/28/2018

Analytical Testing Parameters

Client Sample ID: Foster Island #40

Sample Matrix: Drinking Water

Lab Sample ID: J8H2006-01

Collected By: RMM

Collection Date: 08/20/2018 13:00

Volatile Organic Compounds - GC/MS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 524.2/EPA 524.2, Rv 4.1								
Benzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Bromobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Bromochloromethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
n-Butylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
tert-Butylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
sec-Butylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Carbon tetrachloride	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Chlorobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Chloroethane (Ethyl chloride)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
2-Chlorotoluene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
4-Chlorotoluene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Dibromomethane (Methylene bromide)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,2-Dichlorobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,4-Dichlorobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,3-Dichlorobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Dichlorodifluoromethane (Freon-12)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,1-Dichloroethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,2-Dichloroethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,1-Dichloroethene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
cis-1,2-Dichloroethene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
trans-1,2-Dichloroethene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
2,2-Dichloropropane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,2-Dichloropropane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,3-Dichloropropane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
cis-1,3-Dichloropropene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
trans-1,3-Dichloropropene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,1-Dichloropropene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Ethylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Hexachlorobutadiene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Isopropylbenzene (Cumene)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Methyl bromide (Bromomethane)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Methyl tert-butyl ether (MTBE)	<0.500	10 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Methyl chloride (Chloromethane)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Methylene chloride (Dichloromethane)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Naphthalene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH

Microbac Laboratories, Inc.

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J8H2006

Client Sample ID: Foster Island #40

Sample Matrix: Drinking Water

Lab Sample ID: J8H2006-01

Collected By: RMM

Collection Date: 08/20/2018 13:00

Volatile Organic Compounds - GC/MS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
n-Propylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Styrene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,1,2,2-Tetrachloroethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,1,1,2-Tetrachloroethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Tetrachloroethene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Toluene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,2,4-Trichlorobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,2,3-Trichlorobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,1,2-Trichloroethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,1,1-Trichloroethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Trichloroethene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Trichlorofluoromethane (Freon 11)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,2,3-Trichloropropane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,3,5-Trimethylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
1,2,4-Trimethylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Vinyl chloride	<0.500	2 NYVOA	0.500	ug/L			08/27/18 2235	RJH
m,p-Xylene	<1.00	5 NYVOA	1.00	ug/L	Y		08/27/18 2235	RJH
o-Xylene	<0.500	5 NYVOA	0.500	ug/L	Y		08/27/18 2235	RJH
Xylenes (total)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2235	RJH
Surrogate: 4-Bromofluorobenzene	70.4	Limit: 70-130		% Rec			08/27/18 2235	RJH
Surrogate: 1,2-Dichlorobenzene-d4	71.4	Limit: 70-130		% Rec			08/27/18 2235	RJH



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J8H2006

Client Sample ID: Foster Island #41

Sample Matrix: Drinking Water

Lab Sample ID: J8H2006-02

Collected By: RMM

Collection Date: 08/20/2018 13:10

Volatile Organic Compounds - GC/MS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 524.2/EPA 524.2, Rv 4.1								
Benzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Bromobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Bromochloromethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
n-Butylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
tert-Butylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
sec-Butylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Carbon tetrachloride	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Chlorobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Chloroethane (Ethyl chloride)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
2-Chlorotoluene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
4-Chlorotoluene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Dibromomethane (Methylene bromide)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,2-Dichlorobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,4-Dichlorobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,3-Dichlorobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Dichlorodifluoromethane (Freon-12)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,1-Dichloroethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,2-Dichloroethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,1-Dichloroethene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
cis-1,2-Dichloroethene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
trans-1,2-Dichloroethene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
2,2-Dichloropropane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,2-Dichloropropane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,3-Dichloropropane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
cis-1,3-Dichloropropene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
trans-1,3-Dichloropropene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,1-Dichloropropene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Ethylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Hexachlorobutadiene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Isopropylbenzene (Cumene)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Methyl bromide (Bromomethane)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Methyl tert-butyl ether (MTBE)	<0.500	10 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Methyl chloride (Chloromethane)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Methylene chloride (Dichloromethane)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Naphthalene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
n-Propylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Styrene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,1,2,2-Tetrachloroethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,1,1,2-Tetrachloroethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Tetrachloroethene	0.910	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Toluene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,2,4-Trichlorobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH

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CERTIFICATE OF ANALYSIS

J8H2006

Client Sample ID:	Foster Island #41	Collected By:	RMM
Sample Matrix:	Drinking Water	Collection Date:	03/20/2018 13:10
Lab Sample ID:	J8H2006-02		

Volatile Organic Compounds - GC/MS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,2,3-Trichlorobenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,1,2-Trichloroethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,1,1-Trichloroethane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Trichloroethene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Trichlorofluoromethane (Freon 11)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,2,3-Trichloropropane	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,3,5-Trimethylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
1,2,4-Trimethylbenzene	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Vinyl chloride	<0.500	2 NYVOA	0.500	ug/L			08/27/18 2302	RJH
m,p-Xylene	<1.00	5 NYVOA	1.00	ug/L	Y		08/27/18 2302	RJH
o-Xylene	<0.500	5 NYVOA	0.500	ug/L	Y		08/27/18 2302	RJH
Xylenes (total)	<0.500	5 NYVOA	0.500	ug/L			08/27/18 2302	RJH
Surrogate: 4-Bromofluorobenzene	70.0	Limit: 70-130		% Rec			08/27/18 2302	RJH
Surrogate: 1,2-Dichlorobenzene-d4	70.4	Limit: 70-130		% Rec			08/27/18 2302	RJH