

Microbac Laboratories, Inc., Sayre Division
 CERTIFICATE OF ANALYSIS

S8J0362

Elmira Water Board

Project Name: SOC

Rose Martino
 One Fountain Drive
 Elmira, NY 14905

Project / PO Number: N/A
 Received: 10/16/2018
 Reported: 10/29/2018

Analytical Testing Parameters

Client Sample ID:	Filter Plant Entry Point	Collected By:	RM-Client
Sample Matrix:	Drinking Water	Collection Date:	10/15/2018 14:30
Lab Sample ID:	S8J0362-01		

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

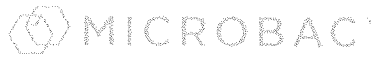
Herbicides - GC/ECD	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 515.3, Rv 1.0								
2,4-D [2C]	<0.100	70.0 MCL	0.100	ug/L		10/24/18 1030	10/24/18 2134	JPB
Dalapon [2C]	<1.00	200 MCL	1.00	ug/L		10/24/18 1030	10/24/18 2134	JPB
Dicamba [2C]	<0.100		0.100	ug/L		10/24/18 1030	10/24/18 2134	JPB
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP) [2C]	<0.200	7.00 MCL	0.200	ug/L		10/24/18 1030	10/24/18 2134	JPB
Pentachlorophenol [2C]	<0.0400	1.00 MCL	0.0400	ug/L		10/24/18 1030	10/24/18 2134	JPB
Picloram [2C]	<0.100	500 MCL	0.100	ug/L		10/24/18 1030	10/24/18 2134	JPB
2,4,5-TP (Silvex) [2C]	<0.200	50.0 MCL	0.200	ug/L		10/24/18 1030	10/24/18 2134	JPB
Surrogate: 2,4-Dichloropenylacetic acid [2C]	86.8	Limit: 70-130		% Rec		10/24/18 1030	10/24/18 2134	JPB

Pesticides and Polychlorinated Biphenyls (PCBs) - GC/ECD	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 505, Rv 2.1								
Chlordane (tech.) [2C]	<0.200	2.00 MCL	0.200	ug/L		10/23/18 1400	10/23/18 2147	JPB
Dieldrin [2C]	<0.0200		0.0200	ug/L		10/23/18 1400	10/23/18 2147	JPB
Endrin [2C]	<0.0100	2.00 MCL	0.0100	ug/L		10/23/18 1400	10/23/18 2147	JPB
Toxaphene [2C]	<1.00	3.00 MCL	1.00	ug/L		10/23/18 1400	10/23/18 2147	JPB
Aroclor-1016 (PCB-1016) [2C]	<0.0800		0.0800	ug/L		10/23/18 1400	10/23/18 2147	JPB
Aroclor-1221 (PCB-1221) [2C]	<20.0		20.0	ug/L		10/23/18 1400	10/23/18 2147	JPB
Aroclor-1232 (PCB-1232) [2C]	<0.500		0.500	ug/L		10/23/18 1400	10/23/18 2147	JPB
Aroclor-1242 (PCB-1242) [2C]	<0.300		0.300	ug/L		10/23/18 1400	10/23/18 2147	JPB
Aroclor-1248 (PCB-1248) [2C]	<0.100		0.100	ug/L		10/23/18 1400	10/23/18 2147	JPB
Aroclor-1254 (PCB-1254) [2C]	<0.100		0.100	ug/L		10/23/18 1400	10/23/18 2147	JPB
Aroclor-1260 (PCB-1260) [2C]	<0.100		0.100	ug/L		10/23/18 1400	10/23/18 2147	JPB
Surrogate: 2,4,5,6-Tetrachloro-m-xylene [2C]	95.5	Limit: 70-130		% Rec		10/23/18 1400	10/23/18 2147	JPB

Semi-Volatile Organic Compounds - GC/ECD	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 504.1, Rv 1.1								
1,2-Dibromo-3-chloropropane (DBCP) [2C]	<0.0100	0.200 MCL	0.0100	ug/L		10/22/18 1430	10/22/18 2339	JPB
1,2-Dibromoethane (Ethylene dibromide, EDB) [2C]	<0.0100	0.0500 MCL	0.0100	ug/L		10/22/18 1430	10/22/18 2339	JPB

Microbac Laboratories, Inc.

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Client Sample ID: Filter Plant Entry Point	Collected By: RM-Client
Sample Matrix: Drinking Water	Collection Date: 10/15/2018 14:30
Lab Sample ID: S8J0362-01	

Semi-Volatile Organic Compounds - GC/ECD	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Surrogate: 2,4,5,6-Tetrachloro-m-xylene [2C]	95.5	Limit: 70-130		% Rec		10/22/18 1430	10/22/18 2339	JPB

Semi-Volatile Organic Compounds - GC/MS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 525.2, Rv 2.0					Method Notes: A26			
Aalachlor	<0.192	2.00 MCL	0.192	ug/L		10/22/18 1000	10/22/18 2121	CDT
Aldrin	<0.096		0.096	ug/L		10/22/18 1000	10/22/18 2121	CDT
Atrazine	<0.096	3.00 MCL	0.096	ug/L		10/22/18 1000	10/22/18 2121	CDT
Benzo[a]pyrene	<0.019	0.200 MCL	0.019	ug/L		10/22/18 1000	10/22/18 2121	CDT
gamma-BHC (Lindane)	<0.019	0.200 MCL	0.019	ug/L		10/22/18 1000	10/22/18 2121	CDT
Butachlor	<0.096		0.096	ug/L		10/22/18 1000	10/22/18 2121	CDT
bis(2-Ethylhexyl)adipate	<0.577	400 MCL	0.577	ug/L		10/22/18 1000	10/22/18 2121	CDT
bis(2-Ethylhexyl)phthalate	<0.577	6.00 MCL	0.577	ug/L		10/22/18 1000	10/22/18 2121	CDT
Heptachlor	<0.038	0.400 MCL	0.038	ug/L		10/22/18 1000	10/22/18 2121	CDT
Heptachlor epoxide	<0.019	0.200 MCL	0.019	ug/L		10/22/18 1000	10/22/18 2121	CDT
Hexachlorobenzene	<0.096	1.00 MCL	0.096	ug/L		10/22/18 1000	10/22/18 2121	CDT
Hexachlorocyclopentadiene	<0.096	50.0 MCL	0.096	ug/L		10/22/18 1000	10/22/18 2121	CDT
Methoxychlor	<0.096	40.0 MCL	0.096	ug/L		10/22/18 1000	10/22/18 2121	CDT
Metolachlor	<0.096		0.096	ug/L		10/22/18 1000	10/22/18 2121	CDT
Metribuzin	<0.096		0.096	ug/L		10/22/18 1000	10/22/18 2121	CDT
Propachlor (Ramrod)	<0.096		0.096	ug/L		10/22/18 1000	10/22/18 2121	CDT
Simazine	<0.067	4.00 MCL	0.067	ug/L		10/22/18 1000	10/22/18 2121	CDT
Surrogate: 1,3-Dimethyl-2-nitrobenzene	99.0	Limit: 70-130		% Rec		10/22/18 1000	10/22/18 2121	CDT
Surrogate: Pyrene-d10	92.5	Limit: 70-130		% Rec		10/22/18 1000	10/22/18 2121	CDT
Surrogate: Triphenyl phosphate	109	Limit: 70-130		% Rec		10/22/18 1000	10/22/18 2121	CDT

Semi-Volatile Organic Compounds - HPLC	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 531.2, Rv 1.0								
Aldicarb sulfone	<0.800		0.800	ug/L		10/25/18 1058	10/25/18 1929	RSD
Aldicarb sulfoxide	<0.500		0.500	ug/L		10/25/18 1058	10/25/18 1929	RSD
Aldicarb (Temik)	<0.500		0.500	ug/L		10/25/18 1058	10/25/18 1929	RSD
Carbaryl (Sevin)	<0.500		0.500	ug/L		10/25/18 1058	10/25/18 1929	RSD
Carbofuran (Furaden)	<0.900	40.0 MCL	0.900	ug/L		10/25/18 1058	10/25/18 1929	RSD
3-Hydroxycarbofuran	<0.500		0.500	ug/L		10/25/18 1058	10/25/18 1929	RSD
Methomyl (Lannate)	<0.500		0.500	ug/L		10/25/18 1058	10/25/18 1929	RSD
Oxamyl	<2.00	200 MCL	2.00	ug/L		10/25/18 1058	10/25/18 1929	RSD
Surrogate: 4-Bromo-3,5-dimethylphenyl-N-methylcarbamate	87.6	Limit: 70-130		% Rec		10/25/18 1058	10/25/18 1929	RSD



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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

- A26: Sample was not preserved to the pH required by the method.
MCL: US EPA Maximum Contaminant Level
RL: Reporting Limit

Project Requested Certification(s)

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.

Reviewed and Approved By:

Handwritten signature of Renee Lantz

Renee Lantz
Customer Relationship Specialist
Reported: 10/29/2018 17:37