



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J7D1166

Elmira Water Board

Project Name: SOC

Rose Martino
One Fountain Drive
Elmira, NY 14905

Project / PO Number: N/A
Received: 04/18/2017
Reported: 04/29/2017

Analytical Testing Parameters

| | | | |
|--------------------------|--------------------------|-------------------------|------------------|
| Client Sample ID: | Filter Plant-Entry Point | Collected By: | RMM-Client |
| Sample Matrix: | Drinking Water | Collection Date: | 04/18/2017 13:15 |
| Lab Sample ID: | J7D1166-01 | | |

| Volatile Organic Compounds - GC/ECD | Result | Limit(s) | RL | Units | Note | Prepared | Analyzed | Lab |
|---------------------------------------------------|----------|------------|---------------|-------|------|---------------|---------------|-----|
| Method: Micro-Extraction/EPA 504.1, Rv 1.1 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | <0.00997 | 0.200 MCL | 0.00997 | ug/L | | 04/18/17 1430 | 04/18/17 1749 | NY |
| 1,2-Dibromoethane (Ethylene dibromide, EDB) | <0.00997 | 0.0500 MCL | 0.00997 | ug/L | | 04/18/17 1430 | 04/18/17 1749 | NY |
| Surrogate: 2,4,5,6-Tetrachloro-m-xylene | 109 | | Limit: 70-130 | % Rec | | 04/18/17 1430 | 04/18/17 1749 | NY |

| | | | |
|--------------------------|--------------------------|-------------------------|------------------|
| Client Sample ID: | Filter Plant-Entry Point | Collected By: | RMM-Client |
| Sample Matrix: | Drinking Water | Collection Date: | 04/18/2017 13:20 |
| Lab Sample ID: | J7D1166-02 | | |

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

| Pesticides and Polychlorinated Biphenyls (PCBs) - GC/ECD | Result | Limit(s) | RL | Units | Note | Prepared | Analyzed |
|----------------------------------------------------------|---------|----------|---------------|-------|------|---------------|---------------|
| Method: EPA 505, Rv 2.1 | | | | | | | |
| Chlordane (tech.) | <0.200 | 2.00 MCL | 0.200 | ug/L | | 04/21/17 1310 | 04/21/17 2118 |
| Dieldrin | <0.0200 | | 0.0200 | ug/L | | 04/21/17 1310 | 04/21/17 2118 |
| Endrin | <0.0100 | 2.00 MCL | 0.0100 | ug/L | | 04/21/17 1310 | 04/21/17 2118 |
| Toxaphene | <1.00 | 3.00 MCL | 1.00 | ug/L | | 04/21/17 1310 | 04/21/17 2118 |
| Aroclor-1016 (PCB-1016) | <0.0800 | | 0.0800 | ug/L | | 04/21/17 1310 | 04/21/17 2118 |
| Aroclor-1221 (PCB-1221) | <20.0 | | 20.0 | ug/L | | 04/21/17 1310 | 04/21/17 2118 |
| Aroclor-1232 (PCB-1232) | <0.500 | | 0.500 | ug/L | | 04/21/17 1310 | 04/21/17 2118 |
| Aroclor-1242 (PCB-1242) | <0.300 | | 0.300 | ug/L | | 04/21/17 1310 | 04/21/17 2118 |
| Aroclor-1248 (PCB-1248) | <0.100 | | 0.100 | ug/L | | 04/21/17 1310 | 04/21/17 2118 |
| Aroclor-1254 (PCB-1254) | <0.100 | | 0.100 | ug/L | | 04/21/17 1310 | 04/21/17 2118 |
| Aroclor-1260 (PCB-1260) | <0.100 | | 0.100 | ug/L | | 04/21/17 1310 | 04/21/17 2118 |
| Surrogate: 2,4,5,6-Tetrachloro-m-xylene | 74.0 | | Limit: 70-130 | % Rec | | 04/21/17 1310 | 04/21/17 2118 |



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|---------------------------------------------------|------------------------------------------|
| Client Sample ID: Filter Plant-Entry Point | Collected By: RMM-Client |
| Sample Matrix: Drinking Water | Collection Date: 04/18/2017 13:23 |
| Lab Sample ID: J7D1166-03 | |

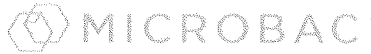
Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

| Herbicides - GC/ECD | Result | Limit(s) | RL | Units | Note | Prepared | Analyzed |
|-----------------------------------------------|---------|----------|---------------|-------|------|---------------|---------------|
| Method: EPA 515.3, Rv 1.0 | | | | | | | |
| 2,4-D | <0.100 | 70.0 MCL | 0.100 | ug/L | | 04/24/17 1025 | 04/24/17 2202 |
| Dalapon | <1.00 | 200 MCL | 1.00 | ug/L | | 04/24/17 1025 | 04/24/17 2202 |
| Dicamba | <0.100 | | 0.100 | ug/L | | 04/24/17 1025 | 04/24/17 2202 |
| Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP) | <0.200 | 7.00 MCL | 0.200 | ug/L | | 04/24/17 1025 | 04/24/17 2202 |
| Pentachlorophenol | <0.0400 | 1.00 MCL | 0.0400 | ug/L | | 04/24/17 1025 | 04/24/17 2202 |
| Picloram | <0.100 | | 0.100 | ug/L | | 04/24/17 1025 | 04/24/17 2202 |
| 2,4,5-TP (Silvex) | <0.200 | 50.0 MCL | 0.200 | ug/L | | 04/24/17 1025 | 04/24/17 2202 |
| Surrogate: 2,4-Dichlorophenylacetic acid | 93.6 | | Limit: 70-130 | % Rec | | 04/24/17 1025 | 04/24/17 2202 |

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|---------------------------------------------------|------------------------------------------|
| Client Sample ID: Filter Plant-Entry Point | Collected By: RMM-Client |
| Sample Matrix: Drinking Water | Collection Date: 04/18/2017 13:25 |
| Lab Sample ID: J7D1166-04 | |

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

| Semi-Volatile Organic Compounds - GC/MS | Result | Limit(s) | RL | Units | Note | Prepared | Analyzed |
|-----------------------------------------|--------|-----------|---------------|-------|------|---------------|---------------|
| Method: EPA 525.2, Rv 2.0 | | | | | | | |
| Alachlor | <0.200 | 2.00 MCL | 0.200 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Aldrin | <0.100 | | 0.100 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Atrazine | <0.100 | 3.00 MCL | 0.100 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Benzo[a]pyrene | <0.020 | 0.200 MCL | 0.020 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| gamma-BHC (Lindane) | <0.020 | 0.200 MCL | 0.020 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Butachlor | <0.100 | | 0.100 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| bis(2-Ethylhexyl)adipate | <0.600 | 400 MCL | 0.600 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| bis(2-Ethylhexyl)phthalate | <0.600 | 6.00 MCL | 0.600 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Heptachlor | <0.040 | 0.400 MCL | 0.040 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Heptachlor epoxide | <0.020 | 0.200 MCL | 0.020 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Hexachlorobenzene | <0.100 | 1.00 MCL | 0.100 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Hexachlorocyclopentadiene | <0.100 | 50.0 MCL | 0.100 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Methoxychlor | <0.100 | 40.0 MCL | 0.100 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Metolachlor | <0.100 | | 0.100 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Metribuzin | <0.100 | | 0.100 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Propachlor (Ramrod) | <0.100 | | 0.100 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Simazine | <0.070 | 4.00 MCL | 0.070 | ug/L | | 04/24/17 0900 | 04/26/17 1253 |
| Surrogate: 1,3-Dimethyl-2-nitrobenzene | 98.5 | | Limit: 70-130 | % Rec | | 04/24/17 0900 | 04/26/17 1253 |
| Surrogate: Pyrene-d10 | 105 | | Limit: 70-130 | % Rec | | 04/24/17 0900 | 04/26/17 1253 |
| Surrogate: Triphenyl phosphate | 119 | | Limit: 70-130 | % Rec | | 04/24/17 0900 | 04/26/17 1253 |



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| | |
|---------------------------------------------------|------------------------------------------|
| Client Sample ID: Filter Plant-Entry Point | Collected By: RMM-Client |
| Sample Matrix: Drinking Water | Collection Date: 04/18/2017 13:30 |
| Lab Sample ID: J7D1166-05 | |

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

| Semi-Volatile Organic Compounds - HPLC | Result | Limit(s) | RL | Units | Note | Prepared | Analyzed |
|----------------------------------------------------------------|--------|----------|---------------|-------|------|---------------|---------------|
| Method: EPA 531.2, Rv 1.0 | | | | | | | |
| Aldicarb sulfone | <0.800 | | 0.800 | ug/L | | 04/20/17 1030 | 04/20/17 1604 |
| Aldicarb sulfoxide | <0.500 | | 0.500 | ug/L | | 04/20/17 1030 | 04/20/17 1604 |
| Aldicarb (Temik) | <0.500 | | 0.500 | ug/L | | 04/20/17 1030 | 04/20/17 1604 |
| Carbaryl (Sevin) | <0.500 | | 0.500 | ug/L | | 04/20/17 1030 | 04/20/17 1604 |
| Carbofuran (Furaden) | <0.900 | 40.0 MCL | 0.900 | ug/L | | 04/20/17 1030 | 04/20/17 1604 |
| 3-Hydroxycarbofuran | <0.500 | | 0.500 | ug/L | | 04/20/17 1030 | 04/20/17 1604 |
| Methomyl (Lannate) | <0.500 | | 0.500 | ug/L | | 04/20/17 1030 | 04/20/17 1604 |
| Oxamyl | <2.00 | 200 MCL | 2.00 | ug/L | | 04/20/17 1030 | 04/20/17 1604 |
| Surrogate: 4-Bromo-3,5-dimethylphenyl-N-methylcarb amate | 97.2 | | Limit: 70-130 | % Rec | | 04/20/17 1030 | 04/20/17 1604 |

Laboratory
NY: Microbac Laboratories, Inc., New York Division

Definitions
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.

Limits may be 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.

Reviewed and Approved By:

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Project Manager
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04/29/2017 00:04