



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

S0G0264

Elmira Water Board

Project Name: NY Drinking Water

Rose Martino  
 One Fountain Drive  
 Elmira, NY 14905

Project / PO Number: N/A  
 Received: 08/18/2020  
 Reported: 08/27/2020

**Analytical Testing Parameters**

|                   |                          |                  |                 |
|-------------------|--------------------------|------------------|-----------------|
| Client Sample ID: | Filter Plant Entry Point | Collected By:    | RMM-Client      |
| Sample Matrix:    | Drinking Water           | Collection Date: | 08/17/2020 7:25 |
| Lab Sample ID:    | S0G0264-01               |                  |                 |

Analyses Subcontracted to: 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                            | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Bromobenzene                       | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Bromochloromethane                 | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Bromodichloromethane               | 14.7   |          | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Bromoform                          | 0.97   |          | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Bromomethane                       | <0.50  |          | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| tert-Butylbenzene                  | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| sec-Butylbenzene                   | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| n-Butylbenzene                     | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Carbon tetrachloride               | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Chlorobenzene                      | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Chloroethane (Ethyl chloride)      | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Chloroform                         | 18.0   |          | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Chloromethane                      | <0.50  |          | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 2-Chlorotoluene                    | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 4-Chlorotoluene                    | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Dibromochloromethane               | 8.53   |          | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Dibromomethane (Methylene bromide) | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,4-Dichlorobenzene                | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,2-Dichlorobenzene                | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,3-Dichlorobenzene                | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Dichlorodifluoromethane (Freon-12) | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,2-Dichloroethane                 | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,1-Dichloroethane                 | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| trans-1,2-Dichloroethene           | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| cis-1,2-Dichloroethene             | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,1-Dichloroethene                 | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,3-Dichloropropane                | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 2,2-Dichloropropane                | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,2-Dichloropropane                | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,1-Dichloropropene                | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| trans-1,3-Dichloropropene          | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| cis-1,3-Dichloropropene            | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Ethylbenzene                       | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Hexachlorobutadiene                | <0.50  | 5 NYVOA  | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |

Microbac Laboratories, Inc.

2369 Elmira Street | Sayre, PA 18840 | 570-888-0169 p | www.microbac.com



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

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|   |   |
|---|---|
| <b>Client Sample ID:</b> Filter Plant Entry Point | <b>Collected By:</b> RMM-Client         |
| <b>Sample Matrix:</b> Drinking Water              | <b>Collection Date:</b> 08/17/2020 7:25 |
| <b>Lab Sample ID:</b> S0G0264-01                  |   |

| Volatile Organic Compounds by GCMS      | Result | Limit(s)      | RL   | Units | Note | Prepared | Analyzed      | Analyst |
|---|--------|---------------|------|-------|------|----------|---------------|---------|
| Isopropylbenzene (Cumene)               | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 4-Isopropyltoluene (p-Isopropyltoluene) | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Methyl tert-butyl ether (MTBE)          | <0.50  | 10 NYVOA      | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Methylene chloride (Dichloromethane)    | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Naphthalene                             | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| n-Propylbenzene                         | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Styrene                                 | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,1,1,2-Tetrachloroethane               | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,1,1,2,2-Tetrachloroethane             | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Tetrachloroethene                       | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Toluene                                 | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,2,4-Trichlorobenzene                  | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,2,3-Trichlorobenzene                  | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,1,1-Trichloroethane                   | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,1,2-Trichloroethane                   | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Trichloroethene                         | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Trichlorofluoromethane (Freon 11)       | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,2,3-Trichloropropane                  | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,2,4-Trimethylbenzene                  | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| 1,3,5-Trimethylbenzene                  | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Vinyl chloride                          | <0.50  | 2 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| m,p-Xylene                              | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| o-Xylene                                | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Xylenes (total)                         | <0.50  | 5 NYVOA       | 0.50 | ug/L  |      |          | 08/20/20 1719 | JAN     |
| Surrogate: 4-Bromofluorobenzene         | 82.4   | Limit: 70-130 |      | % Rec |      |          | 08/20/20 1719 | JAN     |
| Surrogate: 1,2-Dichlorobenzene-d4       | 78.0   | Limit: 70-130 |      | % Rec |      |          | 08/20/20 1719 | JAN     |