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This report package contains 19 pages.

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- Pace Analytical Services, Inc. – Greensburg, PA (1 page)
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- Eurofins Eaton Analytical, Inc. (1 page)

NELAP accredited #E87753



**National Testing Laboratories, Ltd**556 South Mansfield, Ypsilanti, MI, 48197-5166  
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 439361****2/8/2023****Customer:** Magnetic Springs Water Co. - Columbus  
Joel Williamson  
1917 Joyce Avenue  
Columbus, OH 43219**Source:** Columbus Municipal  
**Source Type:** Municipal Water  
**Brand Name:** Magnetic Springs Drinking  
**Production Code:** 11-9-22  
**Container Size:** 1 Gallon  
**PA PWS ID#:** 9996247  
**PA Location:** EP #102**Date/Time Received:** 11/17/2022 12:33**Collected by:** J. Williamson

The results herein conform to TNI and ISO/IEC 17025:2017 standards, where applicable. These results may be used for compliance purposes, as required, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

**Legend:**

Any 'Level Detected' marked with an asterisk (\*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

**"ND"** This contaminant was not detected at or above our lower reporting limit (LRL)**"NA"** Not Analyzed**"Standard"** This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.**"LRL"** This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.**"DF"** This column indicates the contaminant dilution factor.**Report Notes:**

pH analysis has a 15 minute hold time from sampling to analysis. Analysis of pH past the 15 minute hold time should be considered an estimate. In addition, Chlorine, Chloramine and Chlorine Dioxide hold time is immediate, therefore results should be considered an estimate.

| Fed Id #                           | Contaminant | Method | Standard | Units | LRL    | Level Detected | DF | Date/Time Sampled | Date Prepped | Date/Time Analyzed |
|------------------------------------|-------------|--------|----------|-------|--------|----------------|----|-------------------|--------------|--------------------|
| <b>Inorganic Analytes - Metals</b> |             |        |          |       |        |                |    |                   |              |                    |
| 1002                               | Aluminum    | 200.7  | 0.2      | mg/L  | 0.05   | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1074                               | Antimony    | 200.8  | 0.006    | mg/L  | 0.003  | ND             | 1  | 12/30/2022 09:41  |              | 1/5/2023           |
| 1005                               | Arsenic     | 200.8  | 0.010    | mg/L  | 0.002  | ND             | 1  | 12/30/2022 09:41  |              | 1/5/2023           |
| 1010                               | Barium      | 200.7  | 2        | mg/L  | 0.10   | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1075                               | Beryllium   | 200.7  | 0.004    | mg/L  | 0.001  | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1079                               | Boron       | 200.7  | --       | mg/L  | 0.10   | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1015                               | Cadmium     | 200.7  | 0.005    | mg/L  | 0.001  | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1016                               | Calcium     | 200.7  | --       | mg/L  | 2.0    | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1020                               | Chromium    | 200.7  | 0.100    | mg/L  | 0.007  | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1022                               | Copper      | 200.7  | 1.0      | mg/L  | 0.002  | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1028                               | Iron        | 200.7  | 0.3      | mg/L  | 0.020  | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1030                               | Lead        | 200.8  | 0.015    | mg/L  | 0.001  | ND             | 1  | 12/30/2022 09:41  |              | 1/5/2023           |
| 1031                               | Magnesium   | 200.7  | --       | mg/L  | 0.10   | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1032                               | Manganese   | 200.7  | 0.05     | mg/L  | 0.004  | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1035                               | Mercury     | 200.8  | 0.002    | mg/L  | 0.0002 | ND             | 1  | 12/30/2022 09:41  |              | 1/5/2023           |
| 1036                               | Nickel      | 200.7  | --       | mg/L  | 0.005  | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1042                               | Potassium   | 200.7  | --       | mg/L  | 1.0    | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1045                               | Selenium    | 200.8  | 0.05     | mg/L  | 0.002  | ND             | 1  | 12/30/2022 09:41  |              | 1/5/2023           |
| 1049                               | Silica      | 200.7  | --       | mg/L  | 0.05   | 0.07           | 1  | 12/30/2022 09:41  |              | 1/10/2023          |

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# National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166  
(440) 449-2525, Fax: (440) 449-8585

## ANALYTICAL REPORTS

SAMPLE CODE: 439361

2/8/2023

| Fed Id #                                                                    | Contaminant                 | Method     | Standard | Units    | LRL    | Level Detected | DF | Date/Time Sampled | Date Prepped | Date/Time Analyzed |
|-----------------------------------------------------------------------------|-----------------------------|------------|----------|----------|--------|----------------|----|-------------------|--------------|--------------------|
| 1050                                                                        | Silver                      | 200.7      | 0.10     | mg/L     | 0.002  | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1052                                                                        | Sodium                      | 200.7      | --       | mg/L     | 1      | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1085                                                                        | Thallium                    | 200.8      | 0.002    | mg/L     | 0.001  | ND             | 1  | 12/30/2022 09:41  |              | 1/5/2023           |
| 4009                                                                        | Uranium                     | 200.8      | 0.030    | mg/L     | 0.001  | ND             | 1  | 12/30/2022 09:41  |              | 1/5/2023           |
| 1095                                                                        | Zinc                        | 200.7      | 5.000    | mg/L     | 0.004  | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| Physical Factors                                                            |                             |            |          |          |        |                |    |                   |              |                    |
| 1927                                                                        | Alkalinity (Total as CaCO3) | 2320B      | --       | mg/L     | 20     | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 1905                                                                        | Apparent Color              | 2120B      | 15       | CU       | 3      | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022 11:20   |
| 1928                                                                        | Bicarbonate (as CaCO3)      | 2320B      | --       | mg/L     | 20     | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 1929                                                                        | Carbonate (as CaCO3)        | 2320B      | --       | mg/L     | 20     | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 1910                                                                        | Corrosivity                 | 2330B      | --       | SI       | -4.40  | R2             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 2905                                                                        | Foaming Agents              | 5540C      | 0.5      | mg/L     | 0.1    | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022 09:45   |
| MBAS, calculated as Linear Alkylate Sulfonate (LAS), mol wt of 342.4 g/mole |                             |            |          |          |        |                |    |                   |              |                    |
| 1915                                                                        | Hardness                    | 2340B      | --       | mg/L     | 5.0    | ND             | 1  | 12/30/2022 09:41  |              | 1/10/2023          |
| 1021                                                                        | Hydroxide (as CaCO3)        | 2320B      | --       | mg/L     | 20     | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 1920                                                                        | Odor Threshold              | 2150B      | 3        | ton      | 1      | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022 10:55   |
| 1925                                                                        | pH                          | 150.1      | 6.5-8.5  | pH Units |        | 7.0            | 1  | 12/30/2022 09:41  |              | 12/30/2022 12:25   |
| 4254                                                                        | pH Temperature              | 150.1      | --       | Deg, C   |        | 21             | 1  | 12/30/2022 09:41  |              | 12/30/2022 12:25   |
| 1064                                                                        | Specific Cond. @ 25 deg. C  | 2510B      | --       | umhos/cm | 1      | 4              | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 1930                                                                        | Total Dissolved Solids      | 2540C      | 500      | mg/L     | 5      | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 0100                                                                        | Turbidity                   | 2130B      | 1        | NTU      | 0.1    | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022 11:10   |
| Inorganic Analytes - Other                                                  |                             |            |          |          |        |                |    |                   |              |                    |
| 1011                                                                        | Bromate                     | 300.1      | 0.010    | mg/L     | 0.005  | ND             | 1  | 12/30/2022 09:41  |              | 1/3/2023           |
| 1004                                                                        | Bromide                     | 300.1      | --       | mg/L     | 0.005  | ND             | 1  | 12/30/2022 09:41  |              | 1/3/2023           |
| 1006                                                                        | Chloramine as Cl2           | 4500Cl-G   | 4.0      | mg/L     | 0.05   | ND             | 1  | 12/30/2022 09:41  |              | 1/3/2023 15:06     |
| 1017                                                                        | Chloride                    | 300.0      | 250      | mg/L     | 1.0    | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022 11:20   |
| 1012                                                                        | Chlorine as Cl2             | 4500Cl-G   | 4.0      | mg/L     | 0.05   | ND             | 1  | 12/30/2022 09:41  |              | 1/3/2023 15:03     |
| 1008                                                                        | Chlorine Dioxide as ClO2    | 4500ClO2D  | 0.8      | mg/L     | 0.1    | ND             | 1  | 12/30/2022 09:41  |              | 1/3/2023 15:11     |
| 1009                                                                        | Chlorite                    | 300.1      | 1.0      | mg/L     | 0.005  | ND             | 1  | 12/30/2022 09:41  |              | 1/3/2023           |
| 1025                                                                        | Fluoride                    | 300.0      | 4.0      | mg/L     | 0.10   | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022 11:20   |
| 1040                                                                        | Nitrate as N                | 300.0      | 10       | mg/L     | 0.05   | 0.07           | 1  | 12/30/2022 09:41  |              | 12/30/2022 11:20   |
| 1041                                                                        | Nitrite as N                | 300.0      | 1        | mg/L     | 0.05   | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022 11:20   |
| 1044                                                                        | Ortho Phosphate             | 300.0      | --       | mg/L     | 2.0    | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022 11:20   |
| 1055                                                                        | Sulfate                     | 300.0      | 250      | mg/L     | 5.0    | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022 11:20   |
| Organic Analytes - Trihalomethanes                                          |                             |            |          |          |        |                |    |                   |              |                    |
| 2943                                                                        | Bromodichloromethane        | 524.2 THMs | --       | mg/L     | 0.0005 | 0.0021         | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2942                                                                        | Bromoform                   | 524.2 THMs | --       | mg/L     | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2941                                                                        | Chloroform                  | 524.2 THMs | --       | mg/L     | 0.0005 | 0.0070         | 1  | 12/30/2022 09:41  |              | 12/30/2022         |

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## ANALYTICAL REPORTS

SAMPLE CODE: 439361

2/8/2023

| Fed Id #                                   | Contaminant               | Method        | Standard | Units | LRL    | Level Detected | DF | Date/Time Sampled | Date Prepped | Date/Time Analyzed |
|--------------------------------------------|---------------------------|---------------|----------|-------|--------|----------------|----|-------------------|--------------|--------------------|
| 2944                                       | Dibromochloromethane      | 524.2 THMs    | --       | mg/L  | 0.0005 | 0.0007         | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2950                                       | Total THMs                | 524.2 THMs    | 0.080    | mg/L  | 0.0005 | 0.0098         | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| <b>Organic Analytes - Haloacetic Acids</b> |                           |               |          |       |        |                |    |                   |              |                    |
| 2454                                       | Dibromoacetic Acid        | 552.2 HAAs -- |          | ug/L  | 1.0    | ND             | 1  | 12/30/2022 09:41  | 1/3/2023     | 1/6/2023           |
| 2451                                       | Dichloroacetic Acid       | 552.2 HAAs -- |          | ug/L  | 1.0    | ND             | 1  | 12/30/2022 09:41  | 1/3/2023     | 1/6/2023           |
| 2453                                       | Monobromoacetic Acid      | 552.2 HAAs -- |          | ug/L  | 1.0    | ND             | 1  | 12/30/2022 09:41  | 1/3/2023     | 1/6/2023           |
| 2450                                       | Monochloroacetic Acid     | 552.2 HAAs -- |          | ug/L  | 1.0    | ND             | 1  | 12/30/2022 09:41  | 1/3/2023     | 1/6/2023           |
| 2452                                       | Trichloroacetic Acid      | 552.2 HAAs -- |          | ug/L  | 1.0    | ND             | 1  | 12/30/2022 09:41  | 1/3/2023     | 1/6/2023           |
| 2456                                       | Total HAAs                | 552.2 HAAs 60 |          | ug/L  | 1.0    | ND             | 1  | 12/30/2022 09:41  | 1/3/2023     | 1/6/2023           |
| <b>Organic Analytes - Volatiles</b>        |                           |               |          |       |        |                |    |                   |              |                    |
| 2986                                       | 1,1,1,2-Tetrachloroethane | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2981                                       | 1,1,1-Trichloroethane     | 524.2         | 0.2      | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2988                                       | 1,1,2,2-Tetrachloroethane | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2985                                       | 1,1,2-Trichloroethane     | 524.2         | 0.005    | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2978                                       | 1,1-Dichloroethane        | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2977                                       | 1,1-Dichloroethene        | 524.2         | 0.007    | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2410                                       | 1,1-Dichloropropene       | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2420                                       | 1,2,3-Trichlorobenzene    | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2414                                       | 1,2,3-Trichloropropane    | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2378                                       | 1,2,4-Trichlorobenzene    | 524.2         | 0.07     | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2418                                       | 1,2,4-Trimethylbenzene    | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2968                                       | 1,2-Dichlorobenzene       | 524.2         | 0.6      | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2980                                       | 1,2-Dichloroethane        | 524.2         | 0.005    | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2983                                       | 1,2-Dichloropropane       | 524.2         | 0.005    | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2424                                       | 1,3,5-Trimethylbenzene    | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2967                                       | 1,3-Dichlorobenzene       | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2412                                       | 1,3-Dichloropropane       | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2969                                       | 1,4-Dichlorobenzene       | 524.2         | 0.075    | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2416                                       | 2,2-Dichloropropane       | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2965                                       | 2-Chlorotoluene           | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2966                                       | 4-Chlorotoluene           | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2030                                       | 4-Isopropyltoluene        | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2990                                       | Benzene                   | 524.2         | 0.005    | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2993                                       | Bromobenzene              | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2430                                       | Bromochloromethane        | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2214                                       | Bromomethane              | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2982                                       | Carbon Tetrachloride      | 524.2         | 0.005    | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2989                                       | Chlorobenzene             | 524.2         | 0.1      | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2216                                       | Chloroethane              | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |
| 2210                                       | Chloromethane             | 524.2         | --       | mg/L  | 0.0005 | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022         |

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## ANALYTICAL REPORTS

SAMPLE CODE: 439361

2/8/2023

| Fed Id #                                                                                        | Contaminant                 | Method | Standard | Units | LRL     | Level Detected | DF   | Date/Time Sampled | Date Prepped | Date/Time Analyzed |
|-------------------------------------------------------------------------------------------------|-----------------------------|--------|----------|-------|---------|----------------|------|-------------------|--------------|--------------------|
| 2380                                                                                            | cis-1,2-Dichloroethene      | 524.2  | 0.07     | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2228                                                                                            | cis-1,3-Dichloropropene     | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2408                                                                                            | Dibromomethane              | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2212                                                                                            | Dichlorodifluoromethane     | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2964                                                                                            | Dichloromethane             | 524.2  | 0.005    | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2992                                                                                            | Ethylbenzene                | 524.2  | 0.7      | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2246                                                                                            | Hexachlorobutadiene         | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2994                                                                                            | Isopropylbenzene            | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2251                                                                                            | Methyl Tert Butyl Ether     | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2247                                                                                            | Methyl-Ethyl Ketone         | 524.2  | --       | mg/L  | 0.005   | ND             | R2 1 | 12/30/2022 09:41  |              | 12/30/2022         |
| 2248                                                                                            | Naphthalene                 | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2422                                                                                            | n-Butylbenzene              | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2997                                                                                            | o-Xylene                    | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2963                                                                                            | p and m-Xylenes             | 524.2  | --       | mg/L  | 0.0010  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| Due to the limitation of EPA Method 524.2, p and m isomers of Xylene are reported as aggregate. |                             |        |          |       |         |                |      |                   |              |                    |
| 2998                                                                                            | Propylbenzene               | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2428                                                                                            | sec-Butylbenzene            | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2996                                                                                            | Styrene                     | 524.2  | 0.1      | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2426                                                                                            | tert-Butylbenzene           | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2987                                                                                            | Tetrachloroethene           | 524.2  | 0.005    | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2991                                                                                            | Toluene                     | 524.2  | 1        | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2979                                                                                            | trans-1,2-Dichloroethene    | 524.2  | 0.1      | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2224                                                                                            | trans-1,3-Dichloropropene   | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2984                                                                                            | Trichloroethene             | 524.2  | 0.005    | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2218                                                                                            | Trichlorofluoromethane      | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2904                                                                                            | Trichlorotrifluoroethane    | 524.2  | --       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2976                                                                                            | Vinyl Chloride              | 524.2  | 0.002    | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| 2955                                                                                            | Xylenes (Total)             | 524.2  | 10       | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  |              | 12/30/2022         |
| Organic Analytes - Others                                                                       |                             |        |          |       |         |                |      |                   |              |                    |
| 2931                                                                                            | 1,2-Dibromo-3-chloropropane | 504.1  | 0.0002   | mg/L  | 0.00001 | ND             | 1    | 12/30/2022 09:41  | 1/9/2023     | 1/9/2023           |
| 2946                                                                                            | 1,2-Dibromoethane           | 504.1  | 0.00005  | mg/L  | 0.00001 | ND             | 1    | 12/30/2022 09:41  | 1/9/2023     | 1/9/2023           |
| 2105                                                                                            | 2,4-D                       | 515.4  | 70       | ug/L  | 0.1     | ND             | 1    | 12/30/2022 09:41  | 1/4/2023     | 1/13/2023          |
| 2066                                                                                            | 3-Hydroxycarbofuran         | 531.2  | --       | ug/L  | 1.0     | ND             | 1    | 12/30/2022 09:41  |              | 1/4/2023           |
| 2051                                                                                            | Alachlor                    | 525.2  | 2        | ug/L  | 0.2     | ND             | 1    | 12/30/2022 09:41  | 1/8/2023     | 1/30/2023          |
| 2047                                                                                            | Aldicarb                    | 531.2  | 7        | ug/L  | 1.0     | ND             | 1    | 12/30/2022 09:41  |              | 1/4/2023           |
| 2044                                                                                            | Aldicarb sulfone            | 531.2  | 7        | ug/L  | 1.0     | ND             | 1    | 12/30/2022 09:41  |              | 1/4/2023           |
| 2043                                                                                            | Aldicarb sulfoxide          | 531.2  | 7        | ug/L  | 1.0     | ND             | 1    | 12/30/2022 09:41  |              | 1/4/2023           |
| 2356                                                                                            | Aldrin                      | 505    | --       | mg/L  | 0.00007 | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2050                                                                                            | Atrazine                    | 525.2  | 3        | ug/L  | 0.1     | ND             | 1    | 12/30/2022 09:41  | 1/8/2023     | 1/30/2023          |
| 2625                                                                                            | Bentazon                    | 515.4  | --       | ug/L  | 1       | ND             | 1    | 12/30/2022 09:41  | 1/4/2023     | 1/13/2023          |
| 2306                                                                                            | Benzo(A)pyrene              | 525.2  | 0.2      | ug/L  | 0.02    | ND             | 1    | 12/30/2022 09:41  | 1/8/2023     | 1/30/2023          |

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# National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166  
(440) 449-2525, Fax: (440) 449-8585

## ANALYTICAL REPORTS

SAMPLE CODE: 439361

2/8/2023

| Fed Id # | Contaminant                | Method | Standard | Units | LRL     | Level Detected | DF   | Date/Time Sampled | Date Prepped | Date/Time Analyzed |
|----------|----------------------------|--------|----------|-------|---------|----------------|------|-------------------|--------------|--------------------|
| 2076     | Butachlor                  | 525.2  | --       | ug/L  | 0.2     | ND             | 1    | 12/30/2022 09:41  | 1/8/2023     | 1/30/2023          |
| 2021     | Carbaryl                   | 531.2  | --       | ug/L  | 1.0     | ND             | 1    | 12/30/2022 09:41  |              | 1/4/2023           |
| 2046     | Carbofuran                 | 531.2  | 40       | ug/L  | 1.0     | ND             | 1    | 12/30/2022 09:41  |              | 1/4/2023           |
| 2959     | Chlordane                  | 505    | 0.002    | mg/L  | 0.0001  | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2031     | Dalapon                    | 515.4  | 200      | ug/L  | 1       | ND             | 1    | 12/30/2022 09:41  | 1/4/2023     | 1/13/2023          |
| 2035     | Di(2-ethylhexyl) adipate   | 525.2  | 400      | ug/L  | 0.2     | ND             | 1    | 12/30/2022 09:41  | 1/8/2023     | 1/30/2023          |
| 2039     | Di(2-ethylhexyl) phthalate | 525.2  | 6        | ug/L  | 0.6     | ND             | 1    | 12/30/2022 09:41  | 1/8/2023     | 1/30/2023          |
| 2440     | Dicamba                    | 515.4  | --       | ug/L  | 1       | ND             | 1    | 12/30/2022 09:41  | 1/4/2023     | 1/13/2023          |
| 2933     | Dichloran                  | 505    | --       | mg/L  | 0.001   | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2070     | Dieldrin                   | 505    | --       | mg/L  | 0.00002 | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2041     | Dinoseb                    | 515.4  | 7        | ug/L  | 0.2     | ND             | 1    | 12/30/2022 09:41  | 1/4/2023     | 1/13/2023          |
| 2032     | Diquat                     | 549.2  | 20       | ug/L  | 0.4     | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/11/2023          |
| 2033     | Endothall                  | 548.1  | 100      | ug/L  | 9       | ND             | 1    | 12/30/2022 09:41  | 1/4/2023     | 1/16/2023          |
| 2005     | Endrin                     | 505    | 0.002    | mg/L  | 0.00001 | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2034     | Glyphosate                 | 547    | 700      | ug/L  | 6       | ND             | 1    | 12/30/2022 09:41  |              | 1/10/2023          |
| 2065     | Heptachlor                 | 505    | 0.0004   | mg/L  | 0.00001 | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2067     | Heptachlor Epoxide         | 505    | 0.0002   | mg/L  | 0.00001 | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2274     | Hexachlorobenzene          | 505    | 0.001    | mg/L  | 0.0001  | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2042     | Hexachlorocyclopentadiene  | 505    | 0.05     | mg/L  | 0.0001  | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2010     | Lindane                    | 505    | 0.0002   | mg/L  | 0.00002 | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2022     | Methomyl                   | 531.2  | --       | ug/L  | 1.0     | ND             | 1    | 12/30/2022 09:41  |              | 1/4/2023           |
| 2015     | Methoxychlor               | 505    | 0.04     | mg/L  | 0.0001  | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2045     | Metolachlor                | 525.2  | --       | ug/L  | 0.2     | ND             | 1    | 12/30/2022 09:41  | 1/8/2023     | 1/30/2023          |
| 2595     | Metribuzin                 | 525.2  | --       | ug/L  | 0.2     | ND             | 1    | 12/30/2022 09:41  | 1/8/2023     | 1/30/2023          |
| 2626     | Molinate                   | 525.2  | --       | ug/L  | 0.2     | ND             | 1    | 12/30/2022 09:41  | 1/8/2023     | 1/30/2023          |
| 2036     | Oxamyl                     | 531.2  | 200      | ug/L  | 1.0     | ND             | 1    | 12/30/2022 09:41  |              | 1/4/2023           |
| 2934     | Pentachloronitrobenzene    | 505    | --       | mg/L  | 0.0001  | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2326     | Pentachlorophenol          | 515.4  | 1        | ug/L  | 0.04    | ND             | 1    | 12/30/2022 09:41  | 1/4/2023     | 1/13/2023          |
| 2040     | Picloram                   | 515.4  | 500      | ug/L  | 0.1     | ND             | 1    | 12/30/2022 09:41  | 1/4/2023     | 1/13/2023          |
| 2077     | Propachlor                 | 525.2  | --       | ug/L  | 0.2     | ND             | 1    | 12/30/2022 09:41  | 1/8/2023     | 1/30/2023          |
| 2110     | Silvex 2,4,5-TP            | 515.4  | 50       | ug/L  | 0.2     | ND             | 1    | 12/30/2022 09:41  | 1/4/2023     | 1/13/2023          |
| 2037     | Simazine                   | 525.2  | 4        | ug/L  | 0.07    | ND             | 1    | 12/30/2022 09:41  | 1/8/2023     | 1/30/2023          |
| 2627     | Thiobencarb                | 525.2  | --       | ug/L  | 0.2     | ND             | 1    | 12/30/2022 09:41  | 1/8/2023     | 1/30/2023          |
| 2383     | Total PCBs                 | 505    | 0.0005   | mg/L  | 0.0005  | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2910     | Total Phenols              | 420.4  | --       | mg/L  | 0.001   | ND             | R2 1 | 12/30/2022 09:41  |              | 1/10/2023          |
| 2020     | Toxaphene                  | 505    | 0.003    | mg/L  | 0.001   | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |
| 2055     | Trifluralin                | 505    | --       | mg/L  | 0.001   | ND             | 1    | 12/30/2022 09:41  | 1/3/2023     | 1/3/2023           |

### Qualifiers:

R2: The laboratory is not licensed for this parameter. The reported result cannot be used for compliance purposes.

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# National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166  
(440) 449-2525, Fax: (440) 449-8585

## ANALYTICAL REPORTS

SAMPLE CODE: 439361

2/8/2023

| Fed Id # | Contaminant | Method | Standard | Units | LRL | Level<br>Detected | DF | Date/Time<br>Sampled | Date<br>Prepped | Date/Time<br>Analyzed |
|----------|-------------|--------|----------|-------|-----|-------------------|----|----------------------|-----------------|-----------------------|
|----------|-------------|--------|----------|-------|-----|-------------------|----|----------------------|-----------------|-----------------------|

| Analyst | Tests                                                   |
|---------|---------------------------------------------------------|
| ZSC     | 200.7,200.8,2330B,2340B                                 |
| DMJ     | 200.8                                                   |
| SP      | 2320B,2120B,5540C,2150B,150.1,2510B,2130B               |
| CF      | 2540C                                                   |
| SG      | 300.1,300.0                                             |
| DHG     | 4500CI-G,4500CI02D,420.4                                |
| SB      | 524.2 THMs,552.2 HAAs,524.2,504.1,515.4,531.2,505,549.2 |
| JLF     | 525.2,548.1,547                                         |



Christine MacMillan, Technical Director

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**National Testing Laboratories, Ltd**556 South Mansfield, Ypsilanti, MI, 48197-5166  
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 439360****1/9/2023****Customer:** Magnetic Springs Water Co. - Columbus  
Joel Williamson  
1917 Joyce Avenue  
Columbus, OH 43219**Source:** Columbus Municipal  
**Source Type:** Municipal Water  
**Brand Name:** Magnetic Springs Drinking  
**Production Code:** 11-9-22  
**Container Size:** 1 Gallon  
**PA PWS ID#:** 9996247  
**PA Location:** EP #102**Date/Time Received:** 11/17/2022 12:33**Collected by:** J. Williamson

The results herein conform to TNI and ISO/IEC 17025:2017 standards, where applicable. These results may be used for compliance purposes, as required, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

**Legend:**

Any 'Level Detected' marked with an asterisk (\*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

**"ND"** This contaminant was not detected at or above our lower reporting limit (LRL)**"NA"** Not Analyzed**"Standard"** This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.**"LRL"** This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.**"DF"** This column indicates the contaminant dilution factor.**Report Notes:**

| Fed Id #                                       | Contaminant          | Method | Standard | Units      | LRL | Level Detected | DF | Date/Time Sampled | Date Prepped | Date/Time Analyzed |
|------------------------------------------------|----------------------|--------|----------|------------|-----|----------------|----|-------------------|--------------|--------------------|
| <b>Microbiologicals</b>                        |                      |        |          |            |     |                |    |                   |              |                    |
| 3114                                           | E. Coli              | 9223B  | 1        | MPN/100 mL | 1   | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022 11:00   |
| 3001                                           | Standard Plate Count | 9215B  | 500      | CFU/ml     | 1   | <1             | 1  | 12/30/2022 09:41  |              | 12/30/2022 10:59   |
| Pour Plate Method, 35°C/48hr, Plate Count Agar |                      |        |          |            |     |                |    |                   |              |                    |
| 3000                                           | Total Coliform       | 9223B  | 1        | MPN/100 mL | 1   | ND             | 1  | 12/30/2022 09:41  |              | 12/30/2022 11:00   |

| Analyst | Tests        |
|---------|--------------|
| CF      | 9223B, 9215B |



Christine MacMillan, Technical Director

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**Report Prepared for:**

Christian Schmidt  
National Testing Laboratories  
6571 Wilson Mills Road  
Cleveland OH 44143

**REPORT OF  
LABORATORY  
ANALYSIS FOR  
2,3,7,8-TCDD**

**Report Summary:**

Enclosed are analytical results of one drinking water sample analyzed for 2,3,7,8-TCDD content. This sample was analyzed according to Method 1613B by High Resolution Gas Chromatography/High Resolution Mass Spectrometry.

The results reported for this sample and the associated quality control samples were all within the criteria described in Method 1613B. If you have any questions or concerns regarding these results, please contact Joanne Richardson, your Pace Project Manager.

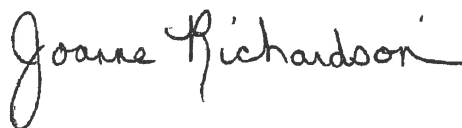
**Pace Project Number:**  
10640020

**Report Prepared Date:**  
January 23, 2023

**Finished Product**

Sample ID: 439361  
Source Name: Columbus Municipal  
Source Location: Columbus , OH  
PWS ID: N/A  
Date & Time Opened: 01/18/2023 @ 08:23  
Opened By: AS6  
Laboratory Sample ID: 10640020001  
Date Sampled: 01/20/2023 @ 08:23  
Date Received: 01/17/2023 @ 09:10

**This report has been reviewed by:**



January 23, 2023

Joanne Richardson,  
(612) 607-6453  
(612) 607-6444 (fax)



**Report of Laboratory Analysis**

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The results relate only to the samples included in this report.



Pace Analytical Services, LLC  
1700 Elm Street - Suite 200  
Minneapolis, MN 55414

Tel: 612-607-1700  
Fax: 612-607-6444

## Minnesota Laboratory Certifications

| Authority      | Certificate #  | Authority       | Certificate #  |
|----------------|----------------|-----------------|----------------|
| A2LA           | 2926.01        | Missouri        | 10100          |
| Alabama        | 40770          | Montana         | CERT0092       |
| Alaska-DW      | MN00064        | Nebraska        | NE-OS-18-06    |
| Alaska-UST     | 17-009         | Nevada          | MN00064        |
| Arizona        | AZ0014         | New Hampshire   | 2081           |
| Arkansas - WW  | 88-0680        | New Jersey      | MN002          |
| Arkansas-DW    | MN00064        | New York        | 11647          |
| California     | 2929           | North Carolina- | 27700          |
| Colorado       | MN00064        | North Carolina- | 530            |
| Connecticut    | PH-0256        | North Dakota    | R-036          |
| Florida        | E87605         | Ohio-DW         | 41244          |
| Georgia        | 959            | Ohio-VAP (170   | CL101          |
| Hawaii         | MN00064        | Ohio-VAP (180   | CL110          |
| Idaho          | MN00064        | Oklahoma        | 9507           |
| Illinois       | 200011         | Oregon-Primary  | MN300001       |
| Indiana        | C-MN-01        | Oregon-Second   | MN200001       |
| Iowa           | 368            | Pennsylvania    | 68-00563       |
| Kansas         | E-10167        | Puerto Rico     | MN00064        |
| Kentucky-DW    | 90062          | South Carolina  | 74003          |
| Kentucky-WW    | 90062          | Tennessee       | TN02818        |
| Louisiana-DEQ  | AI-84596       | Texas           | T104704192     |
| Louisiana-DW   | MN00064        | Utah            | MN00064        |
| Maine          | MN00064        | Vermont         | VT-027053137   |
| Maryland       | 322            | Virginia        | 460163         |
| Michigan       | 9909           | Washington      | C486           |
| Minnesota      | 027-053-137    | West Virginia-D | 382            |
| Minnesota-Ag   | via MN 027-053 | West Virginia-D | 9952C          |
| Minnesota-Petr | 1240           | Wisconsin       | 999407970      |
| Mississippi    | MN00064        | Wyoming-UST     | via A2LA 2926. |

## REPORT OF LABORATORY ANALYSIS

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**Pace Analytical Services, LLC**  
1700 Elm Street, Suite 200  
Minneapolis, MN 55414  
Phone: 612.607.1700  
Fax: 612.607.6444  
www.pacelabs.com

## Reporting Flags

- A = Reporting Limit based on signal to noise (EDL)
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- H2 = Extracted outside of holding time
- I = Isotope ratio out of specification
- J = Estimated value
- L = Suppressive interference, analyte may be biased low
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs

## REPORT OF LABORATORY ANALYSIS

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# CHAIN OF CUSTODY

Initiated by: ☐ Client ☒ National Testing Laboratories, Ltd. ☐ Other

Page 1 of 1

|                                                                                                                               |            |                         |             |                                  |                                  |
|-------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------|-------------|----------------------------------|----------------------------------|
| CLIENT COMMENTS:                                                                                                              |            | CLIENT/COMPANY NAME:    |             | TEST(S) REQUESTED PER SAMPLE (X) |                                  |
| TYPES OF SAMPLES:<br>DRINKING WATER = D SOIL SAMPLE = S<br>GROUND WATER = G SLUDGE/WASTE = W<br>POOL WATER = P OTHER TYPE = O |            | SAMPLE SITE DESCRIPTION |             | LAB #                            |                                  |
| SAMPLE #                                                                                                                      | COLLECTION |                         | SAMPLE TYPE | # OF CONTAINERS                  | TEST(S) REQUESTED PER SAMPLE (X) |
|                                                                                                                               | DATE       | TIME                    |             |                                  |                                  |
| 439361                                                                                                                        | 1/12/23    | 14:00                   | DIK         | 1                                | 10640020<br>10640020<br>10640020 |
| 439362                                                                                                                        | 1/12/23    | 14:00                   | DIK         | 1                                |                                  |
| RECEIVED BY: (Signature) DATE TIME<br>1/12/23 14:00                                                                           |            |                         |             |                                  |                                  |
| RECEIVED BY: (Signature) DATE TIME<br>1/12/23 9:10                                                                            |            |                         |             |                                  |                                  |

**National Testing  
Laboratories, Ltd.**

*Quality Water Analysis*

1-800-458-3330

**Beverage - Finished Product**

Order Number: 2205089

Order Date: 10/7/2022

Sample Number:

Product:

FDATABASE GDRX *Drinking*

Paid: No Method:

P.O.:

TSR: SBW

439361

Columbus

OH 43219

If finished product is submitted in laboratory containers, complete the following information.

Date Opened: \_\_\_\_/\_\_\_\_/\_\_\_\_ Time Opened: \_\_\_\_:\_\_\_\_:\_\_\_\_

Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☐ EST ☐ CST ☐ MST ☐ PST

PWS ID# (if applicable):

Source Type: ☐ Spring ☐ Well ☒ Municipal

☐ Other:

Source Name: Columbus Municipal

(Source Information is REQUIRED for All Finished Products)

City & State: Columbus Ohio

(If Different than Above)

Product Collected By: *Joel Williamson*

(Signature)

Product Collected By: Joel Williamson

(Please Print)

Brand Name/Product Type: Magnetic Drinking

e.g. XYZ Spring Water or XYZ Distilled Water

Container Size: 1gal

Production Code/Lot Number: 11-9-22

Form Completed By:

Additional Comments:

**For Laboratory Use ONLY**

Lab Accounting Information:

Payment \$: \_\_\_\_\_

Check #: \_\_\_\_\_

Lab Comments/Special Instructions:

2022 Drinking Product

State Forms:

PA

Lab Sample Information:

Date Received: 11/17/22

Time Received: 12:33

Received By: JR

Date Opened: \_\_\_\_/\_\_\_\_/\_\_\_\_

Time Opened: \_\_\_\_:\_\_\_\_:\_\_\_\_

Opened By: \_\_\_\_\_

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

IF PENNSYLVANIA REPORTING IS REQUIRED AND YOUR  
PRODUCT IS GREATER THAN 1.77 LITERS, PLEASE PROVIDE  
THE FOLLOWING:

Penn. PWS ID#: 9996247

Location: EP #102

Rev: SRT102120

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

Effective Date: 11/16/2022

|                                                                                                                                                                                                                                                     |                                                              |                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------|
| Sample Condition<br>Upon Receipt                                                                                                                                                                                                                    | Client Name:<br><u>Pace National</u>                         | Project #:<br><b>WO# : 10640020</b>       |
| Courier: <input type="checkbox"/> FedEx <input checked="" type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Client<br><input type="checkbox"/> Pace <input type="checkbox"/> Speedee <input type="checkbox"/> Commercial |                                                              | PM: JMR Due Date: 01/26/23<br>CLIENT: NTL |
| Tracking Number: <u>17A-W9310173997896</u>                                                                                                                                                                                                          | <input type="checkbox"/> See Exceptions<br>ENV-FRM-MIN4-0142 |                                           |

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other Packing peanuts Temp Blank? ☐ Yes ☒ No

Thermometer: ☐ T1 (0461) ☐ T2 (1336) ☐ T3 (0459) ☐ T4 (0254) ☐ T5 (0178) ☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9 (0727) ☐ 01339252/1710 Type of Ice: ☐ Wet ☐ Blue ☐ Dry ☒ None  
☐ Melted

|                                                                                                             |                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Did Samples Originate in West Virginia? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Were All Container Temps Taken? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |
| Temp should be above freezing to 6 °C Cooler temp Read w/Temp Blank: _____ °C                               | Average Corrected Temp (no temp blank only): <u>18.4</u> °C                                                                      |
| Correction Factor: <u>Sub 0.1</u> Cooler Temp Corrected w/temp blank: _____ °C                              | <input checked="" type="checkbox"/> See Exceptions ENV-FRM-MIN4-0142 <input type="checkbox"/> 1 Container                        |

USDA Regulated Soil: ☒ N/A (water) sample/other: \_\_\_\_\_Date/Initials of Person Examining Contents: 1/17/23 APCDid samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check maps)? ☐ Yes ☐ NoDid samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

| Location (Check one): <input type="checkbox"/> Duluth <input checked="" type="checkbox"/> Minneapolis <input type="checkbox"/> Virginia                                                                                                                                                                         | COMMENTS                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chain of Custody Present and Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                    | 1.                                                                                                                                                                                                                                                                                                                                                                       |
| Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                              | 2.                                                                                                                                                                                                                                                                                                                                                                       |
| Sampler Name and/or Signature on COC? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A                                                                                                                                                                          | 3.                                                                                                                                                                                                                                                                                                                                                                       |
| Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                           | 4. If fecal: <input type="checkbox"/> <8 hrs <input type="checkbox"/> >8 hr, <24 <input type="checkbox"/> No                                                                                                                                                                                                                                                             |
| Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                          | 5. <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E.coli<br><input type="checkbox"/> BOD/cBOD <input type="checkbox"/> Hex Chrom <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate<br><input type="checkbox"/> Nitrite <input type="checkbox"/> Orthophos <input type="checkbox"/> Other |
| Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                            | 6.                                                                                                                                                                                                                                                                                                                                                                       |
| Sufficient Sample Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                   | 7.                                                                                                                                                                                                                                                                                                                                                                       |
| Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A                                                                                                                                                                                       | 8.                                                                                                                                                                                                                                                                                                                                                                       |
| Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                       | 9.                                                                                                                                                                                                                                                                                                                                                                       |
| Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                          | 10. Is sediment visible in the dissolved container? <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                             |
| Field Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A                                                                                                                                                            | 11. If no, write ID/Date/Time of container below:                                                                                                                                                                                                                                                                                                                        |
| Is sufficient information available to reconcile the samples to the COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                    | <input type="checkbox"/> See Exceptions<br>ENV-FRM-MIN4-0142                                                                                                                                                                                                                                                                                                             |
| Matrix: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Other                                                                                                                                                                     | 12. Sample #                                                                                                                                                                                                                                                                                                                                                             |
| All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A                                                                                                                                               | <input type="checkbox"/> NaOH <input type="checkbox"/> HNO3<br><input type="checkbox"/> H2SO4 <input type="checkbox"/> Zinc Acetate                                                                                                                                                                                                                                      |
| All containers needing preservation are found to be in compliance with EPA recommendation (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH >10 Cyanide) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A                                                               | Positive for Residual Chlorine? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Exceptions<br>ENV-FRM-MIN4-0142                                                                                                                                                                                                                    |
| Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxins/PFAS (*If adding preservative to a container, it must be added to associated field and equipment blanks—verify with PM first.) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | pH Paper Lot #                                                                                                                                                                                                                                                                                                                                                           |
| Headspace in Methyl Mercury Container? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A                                                                                                                                                                         | Residual Chlorine 0-6 Roll 0-6 Strip 0-14 Strip                                                                                                                                                                                                                                                                                                                          |
| Extra labels present on soil VOA or WIDRO containers? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A                                                                                                                                                          | 13.                                                                                                                                                                                                                                                                                                                                                                      |
| Headspace in VOA Vials (greater than 6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A                                                                                                                                                                     | 14. <input type="checkbox"/> See Exceptions<br>ENV-FRM-MIN4-0142                                                                                                                                                                                                                                                                                                         |
| 3 Trip Blanks Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A                                                                                                                                                                                         | 15.                                                                                                                                                                                                                                                                                                                                                                      |
| Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A                                                                                                                                                                              | Pace Trip Blank Lot # (if purchased):                                                                                                                                                                                                                                                                                                                                    |

## CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: Finished product temperature not applicable.Project Manager Review: James RichardsonDate: 1-17-23

NOTE: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled By: B62Line: 1



DC#\_Title: ENV-FRM-MIN4-0142 v02\_Sample Condition Upon Receipt  
(SCUR) Exception Form

Effective Date: 09/22/2022

Workorder #: 10640020

| No Temp Blank |                |              |
|---------------|----------------|--------------|
| Read Temp     | Corrected Temp | Average Temp |
| 18.6          | 18.5           | 18.4         |
| 18.4          | 18.7           |              |
|               |                |              |
|               |                |              |

PM Notified of Out of Temp Cooler? ☒ Yes ☐ No

If yes, indicate who was contacted, date and time.  
If no, indicate reason why.

Multiple Cooler Project? ☐ Yes ☐ No

If anything is OVER 6.0° C, you MUST document containers in this section HERE



| Tracking Number | Temperature |
|-----------------|-------------|
|                 |             |
|                 |             |
|                 |             |
|                 |             |
|                 |             |
|                 |             |
|                 |             |
|                 |             |
|                 |             |

| Out of Temp Sample ID | Container Type | # of Containers |
|-----------------------|----------------|-----------------|
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |

pH Adjustment Log for Preserved Samples

| Sample ID | Type Of Preserve | pH Upon Receipt | Date Adjusted | Time Adjusted | Amount Added (mL) | Lot # Added | pH After | In Compliance After Addition? |                             | Initials |
|-----------|------------------|-----------------|---------------|---------------|-------------------|-------------|----------|-------------------------------|-----------------------------|----------|
|           |                  |                 |               |               |                   |             |          | <input type="checkbox"/> Yes  | <input type="checkbox"/> No |          |
|           |                  |                 |               |               |                   |             |          | <input type="checkbox"/> Yes  | <input type="checkbox"/> No |          |
|           |                  |                 |               |               |                   |             |          | <input type="checkbox"/> Yes  | <input type="checkbox"/> No |          |
|           |                  |                 |               |               |                   |             |          | <input type="checkbox"/> Yes  | <input type="checkbox"/> No |          |
|           |                  |                 |               |               |                   |             |          | <input type="checkbox"/> Yes  | <input type="checkbox"/> No |          |
|           |                  |                 |               |               |                   |             |          | <input type="checkbox"/> Yes  | <input type="checkbox"/> No |          |
|           |                  |                 |               |               |                   |             |          | <input type="checkbox"/> Yes  | <input type="checkbox"/> No |          |
|           |                  |                 |               |               |                   |             |          | <input type="checkbox"/> Yes  | <input type="checkbox"/> No |          |

Comments:



PaceAnalyticalServices,LLC.  
1700ElmStreet  
Minneapolis,MN,55414

**Drinking Water Analysis Results**  
**2,3,7,8-TCDD – USEPA Method 1613B**

Tel12-607-1700  
Fax612-607-6444

Sample ID.....439361 Date Collected.....01/20/2023 Spike.....200 pg  
Client..... National Testing Laboratory Date Received.....01/17/2023 IS Spike.....2000 pg  
Lab Sample ID..... 10640020001 Date Extracted.....01/18/2023 CS Spike.....200 pg

|                       | Sample<br>439361 | Method<br>Blank | Lab<br>Spike | Lab<br>Spike Dup |
|-----------------------|------------------|-----------------|--------------|------------------|
| [2,3,7,8-TCDD]        | ND               | ND              | --           | --               |
| LOQ                   | 5.0 pg/L         | 5.0 pg/L        | --           | --               |
| 2,3,7,8-TCDD Recovery | --               | --              | 101%         | 95%              |
| pg Recovered          | --               | --              | 201pg/L      | 190pg/L          |
| Spike Recovery Limit  | --               | --              | 73-146%      | 73-146%          |
| RPD                   |                  |                 | 5.8%         |                  |
| IS Recovery           | 101%             | 89%             | 85%          | 93%              |
| pg Recovered          | 2020 pg/L        | 1785 pg/L       | 1705 pg/L    | 1857 pg/L        |
| IS Recovery Limits    | 31-137%          | 31-137%         | 25-141%      | 25-141%          |
| CS Recovery           | 89%              | 78%             | 79%          | 82%              |
| pg Recovered          | 178 pg/L         | 156 pg/L        | 158 pg/L     | 164 pg/L         |
| CS Recovery Limits    | 42-164%          | 42-164%         | 37-158%      | 37-158%          |
| Filename              | E230120B_06      | E230119B_09     | E230119B_07  | E230119B_08      |
| Analysis Date         | 01/20/2023       | 01/19/2023      | 01/19/2023   | 01/19/2023       |
| Analysis Time         | 11:43            | 18:24           | 17:26        | 17:55            |
| Analyst               | CVS              | SM              | SM           | SM               |
| Volume                | 1.003L           | 1.007L          | 0.995L       | 1.005L           |
| Dilution              | NA               | NA              | NA           | NA               |
| ICAL Date             | 11/30/2021       | 11/30/2021      | 11/30/2021   | 11/30/2021       |
| CCAL Filename         | E230120B_02      | E230119B_03     | E230119B_03  | E230119B_03      |

! = Outside the Control Limits  
ND = Not Detected  
LOQ = Limit of Quantitation  
Limits = Control Limits from Method 1613 (10/94 Revision), Tables 6A and 7A  
RPD = Relative Percent Difference of Lab Spike Recoveries  
IS = Internal Standard [2,3,7,8-TCDD-<sup>13</sup>C<sub>12</sub>]  
CS = Cleanup Standard [2,3,7,8-TCDD-<sup>37</sup>Cl<sub>4</sub>]

Analyst: *Chuck Suerp*

Project No.....10640020

## ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2205089  
Pace Project No.: 30554670

**Sample: 439361**      **Lab ID: 30554670001**      Collected: 01/16/23 00:00      Received: 01/17/23 12:30      Matrix: Drinking Water  
PWS:      Site ID:      Sample Type:

Comments: • FINISHED PRODUCT, Columbus Municipal, Columbus, OH  
• Magnetic Drinking, Prod. code: 11-9-22, Cont. size: 1 Gallon  
• no date/time/opened by listed  
• Sample collection dates and times were not present on the sample containers.  
• Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH <2 for radiochemistry analysis. The samples were preserved <2 within the required 5 days of collection.

| Parameters                            | Method                   | Act ± Unc (MDC) Carr Trac                          | Units | Analyzed       | CAS No.    | Qual |
|---------------------------------------|--------------------------|----------------------------------------------------|-------|----------------|------------|------|
| Pace Analytical Services - Greensburg |                          |                                                    |       |                |            |      |
| Radon                                 | SM 7500RnB-07            | <b>-37.5 ± 44.9 (81.5)</b><br><b>C:NA T:NA</b>     | pCi/L | 01/20/23 20:41 | 10043-92-2 |      |
| Pace Analytical Services - Greensburg |                          |                                                    |       |                |            |      |
| Gross Alpha                           | EPA 900.0                | <b>0.099 ± 0.552 (1.45)</b><br><b>C:NA T:NA</b>    | pCi/L | 01/26/23 08:50 | 12587-46-1 |      |
| Gross Beta                            | EPA 900.0                | <b>0.082 ± 0.546 (1.35)</b><br><b>C:NA T:NA</b>    | pCi/L | 01/26/23 08:50 | 12587-47-2 |      |
| Pace Analytical Services - Greensburg |                          |                                                    |       |                |            |      |
| Radium-226                            | EPA 903.1                | <b>1.67 ± 0.683 (0.197)</b><br><b>C:NA T:103%</b>  | pCi/L | 01/24/23 13:46 | 13982-63-3 |      |
| Pace Analytical Services - Greensburg |                          |                                                    |       |                |            |      |
| Radium-228                            | EPA 904.0                | <b>0.251 ± 0.274 (0.580)</b><br><b>C:83% T:91%</b> | pCi/L | 01/23/23 12:41 | 15262-20-1 |      |
| Pace Analytical Services - Greensburg |                          |                                                    |       |                |            |      |
| Total Radium                          | Total Radium Calculation | <b>1.92 ± 0.957 (0.777)</b>                        | pCi/L | 01/25/23 11:08 | 7440-14-4  |      |

## REPORT OF LABORATORY ANALYSIS

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## EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order ID: 042301248  
Customer ID: NTLI78  
Customer PO: 14630  
Project ID:

Attn: Chrissy MacMillan  
National Testing Laboratories, Inc.  
6571 Wilson Mills Road  
Cleveland, OH 44143

Phone: (440) 449-2525  
Fax: (Ema) il -only  
Received: 01/17/2023  
Analyzed: 01/23/2023

Proj: 439361

### Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

| Sample ID<br>Client / EMSL | Sample<br>Filtration<br>Date/Time | Original<br>Sample Vol.<br>Filtered<br>(ml) | Effective<br>Filter<br>Area<br>(mm²) | Area<br>Analyzed<br>(mm²) | ASBESTOS                       |                    |                           |               |                      |
|----------------------------|-----------------------------------|---------------------------------------------|--------------------------------------|---------------------------|--------------------------------|--------------------|---------------------------|---------------|----------------------|
|                            |                                   |                                             |                                      |                           | Asbestos<br>Types              | Fibers<br>Detected | Analytical<br>Sensitivity | Concentration | Confidence<br>Limits |
|                            |                                   |                                             |                                      |                           | MFL (million fibers per liter) |                    |                           |               |                      |
| 439361                     | 1/17/2023                         | 100                                         | 1335                                 | 0.0762                    | None Detected                  | ND                 | 0.18                      | <0.18         | 0.00 - 0.65          |
| 042301248-0001             | 01:14 PM                          |                                             |                                      |                           |                                |                    |                           |               |                      |

Collection Date/Time: 11/17/2022 12:33 PM

Bottle supplied by client.

Analyst(s)

Seri Smith

(1)

Samantha Rundstrom, Laboratory Manager  
or Other Approved Signatory

Any questions please contact Samantha Rundstrom-Cruz.

Initial report from: 01/23/2023 09:14:35

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty is available on request. Sample collection performed by the client. Pre-cleaned sample containers are available for purchase from EMSL. Note if sample containers are provided by the client, acceptable bottle blank level is defined as  $\leq 0.01$  MFL for  $\geq 10\mu\text{m}$  fibers. ND=None Detected. No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson), 5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The larger of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAC NYS ELAP 10872, NJ DEP 03036, FL DOH E87975, PA ID# 68-00367



## Client Sample Results

Client: National Testing Laboratories, Ltd  
Project/Site: 439361

Job ID: 810-49276-1

Client Sample ID: 439361/2205089

Lab Sample ID: 810-49276-1

Date Collected: 12/30/22 09:41

Matrix: Bottled Water

Date Received: 01/05/23 09:00

### Method: EPA 331.0 - Perchlorate (LC/MS/MS)

| Analyte     | Result | Qualifier | RL    | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-----|------|---|----------|----------------|---------|
| Perchlorate | <0.050 |           | 0.050 |     | ug/L |   |          | 01/11/23 10:58 | 1       |

5

### General Chemistry

| Analyte                      | Result | Qualifier | RL    | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------|--------|-----------|-------|-----|------|---|----------------|----------------|---------|
| Cyanide, Total (MCAWW 335.4) | <0.020 |           | 0.020 |     | mg/L |   | 01/09/23 11:20 | 01/09/23 13:34 | 1       |