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This package contains reports from the following laboratories:

- National Testing Laboratories, Ltd. (9 pages)
- Pace Analytical Services, Inc.- Minneapolis, MN (8 pages)
- Pace Analytical Services, Inc. – Greensburg, PA (1 page)
- EMSL Analytical, Inc. (1 page)
- Eurofins Eaton Analytical, Inc. (1 page)

NELAP accredited #E87753



National Testing Laboratories, Ltd556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 439367****2/4/2023****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 Distilled
Production Code: 11-9-22
Container Size: 1 Gallon
PA PWS ID#: 9996247
PA Location: EP #103**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
Inorganic Analytes - Metals										
1002	Aluminum	200.7	0.2	mg/L	0.05	ND	1	12/30/2022 09:23		1/10/2023
1074	Antimony	200.8	0.006	mg/L	0.003	ND	1	12/30/2022 09:23		1/5/2023
1005	Arsenic	200.8	0.010	mg/L	0.002	ND	1	12/30/2022 09:23		1/5/2023
1010	Barium	200.7	2	mg/L	0.10	ND	1	12/30/2022 09:23		1/10/2023
1075	Beryllium	200.7	0.004	mg/L	0.001	ND	1	12/30/2022 09:23		1/10/2023
1079	Boron	200.7	--	mg/L	0.10	ND	1	12/30/2022 09:23		1/10/2023
1015	Cadmium	200.7	0.005	mg/L	0.001	ND	1	12/30/2022 09:23		1/10/2023
1016	Calcium	200.7	--	mg/L	2.0	ND	1	12/30/2022 09:23		1/10/2023
1020	Chromium	200.7	0.100	mg/L	0.007	ND	1	12/30/2022 09:23		1/10/2023
1022	Copper	200.7	1.0	mg/L	0.002	ND	1	12/30/2022 09:23		1/10/2023
1028	Iron	200.7	0.3	mg/L	0.020	ND	1	12/30/2022 09:23		1/10/2023
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	12/30/2022 09:23		1/5/2023
1031	Magnesium	200.7	--	mg/L	0.10	ND	1	12/30/2022 09:23		1/10/2023
1032	Manganese	200.7	0.05	mg/L	0.004	ND	1	12/30/2022 09:23		1/10/2023
1035	Mercury	200.8	0.002	mg/L	0.0002	ND	1	12/30/2022 09:23		1/5/2023
1036	Nickel	200.7	--	mg/L	0.005	ND	1	12/30/2022 09:23		1/10/2023
1042	Potassium	200.7	--	mg/L	1.0	ND	1	12/30/2022 09:23		1/10/2023
1045	Selenium	200.8	0.05	mg/L	0.002	ND	1	12/30/2022 09:23		1/5/2023
1049	Silica	200.7	--	mg/L	0.05	0.21	1	12/30/2022 09:23		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: 439367

2/4/2023

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 09:23		1/10/2023
1052	Sodium	200.7	--	mg/L	1	ND	1	12/30/2022 09:23		1/10/2023
1085	Thallium	200.8	0.002	mg/L	0.001	ND	1	12/30/2022 09:23		1/5/2023
4009	Uranium	200.8	0.030	mg/L	0.001	ND	1	12/30/2022 09:23		1/5/2023
1095	Zinc	200.7	5.000	mg/L	0.004	ND	1	12/30/2022 09:23		1/10/2023
Physical Factors										
1927	Alkalinity (Total as CaCO ₃)	2320B	--	mg/L	20	ND	1	12/30/2022 09:23		12/30/2022
1905	Apparent Color	2120B	15	CU	3	ND	1	12/30/2022 09:23		12/30/2022 11:20
1928	Bicarbonate (as CaCO ₃)	2320B	--	mg/L	20	ND	1	12/30/2022 09:23		12/30/2022
1929	Carbonate (as CaCO ₃)	2320B	--	mg/L	20	ND	1	12/30/2022 09:23		12/30/2022
1910	Corrosivity	2330B	--	SI		-6.05	R2 1	12/30/2022 09:23		1/10/2023
2905	Foaming Agents	5540C	0.5	mg/L	0.1	ND	1	12/30/2022 09:23		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 09:23		1/10/2023
1021	Hydroxide (as CaCO ₃)	2320B	--	mg/L	20	ND	1	12/30/2022 09:23		12/30/2022
1920	Odor Threshold	2150B	3	ton	1	ND	1	12/30/2022 09:23		12/30/2022 10:55
1925	pH	150.1	6.5-8.5	pH Units		5.4*	1	12/30/2022 09:23		12/30/2022 12:25
4254	pH Temperature	150.1	--	Deg, C		21	1	12/30/2022 09:23		12/30/2022 12:25
1064	Specific Cond. @ 25 deg. C	2510B	--	umhos/cm	1	2	1	12/30/2022 09:23		12/30/2022
1930	Total Dissolved Solids	2540C	500	mg/L	5	ND	1	12/30/2022 09:23		12/30/2022
0100	Turbidity	2130B	1	NTU	0.1	ND	1	12/30/2022 09:23		12/30/2022 11:10
Inorganic Analytes - Other										
1011	Bromate	300.1	0.010	mg/L	0.005	ND	1	12/30/2022 09:23		1/3/2023
1004	Bromide	300.1	--	mg/L	0.005	ND	1	12/30/2022 09:23		1/3/2023
1006	Chloramine as Cl ₂	4500Cl-G	4.0	mg/L	0.05	ND	1	12/30/2022 09:23		1/3/2023 15:06
1017	Chloride	300.0	250	mg/L	1.0	ND	1	12/30/2022 09:23		12/30/2022 11:54
1012	Chlorine as Cl ₂	4500Cl-G	4.0	mg/L	0.05	ND	1	12/30/2022 09:23		1/3/2023 15:03
1008	Chlorine Dioxide as ClO ₂	4500ClO2D	0.8	mg/L	0.1	ND	1	12/30/2022 09:23		1/3/2023 15:11
1009	Chlorite	300.1	1.0	mg/L	0.005	ND	1	12/30/2022 09:23		1/3/2023
1025	Fluoride	300.0	4.0	mg/L	0.10	ND	1	12/30/2022 09:23		12/30/2022 11:54
1040	Nitrate as N	300.0	10	mg/L	0.05	ND	1	12/30/2022 09:23		12/30/2022 11:54
1041	Nitrite as N	300.0	1	mg/L	0.05	ND	1	12/30/2022 09:23		12/30/2022 11:54
1044	Ortho Phosphate	300.0	--	mg/L	2.0	ND	1	12/30/2022 09:23		12/30/2022 11:54
1055	Sulfate	300.0	250	mg/L	5.0	ND	1	12/30/2022 09:23		12/30/2022 11:54
Organic Analytes - Trihalomethanes										
2943	Bromodichloromethane	524.2 THMs	--	mg/L	0.0005	0.0024	1	12/30/2022 09:23		12/30/2022
2942	Bromoform	524.2 THMs	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2941	Chloroform	524.2 THMs	--	mg/L	0.0005	0.0083	1	12/30/2022 09:23		12/30/2022

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ANALYTICAL REPORTS

SAMPLE CODE: 439367

2/4/2023

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	0.0008	1	12/30/2022 09:23		12/30/2022
2950	Total THMs	524.2 THMs	0.080	mg/L	0.0005	0.0115	1	12/30/2022 09:23		12/30/2022
Organic Analytes - Haloacetic Acids										
2454	Dibromoacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	12/30/2022 09:23	1/3/2023	1/6/2023
2451	Dichloroacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	12/30/2022 09:23	1/3/2023	1/6/2023
2453	Monobromoacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	12/30/2022 09:23	1/3/2023	1/6/2023
2450	Monochloroacetic Acid	552.2 HAAs --		ug/L	1.0	1.1	1	12/30/2022 09:23	1/3/2023	1/6/2023
2452	Trichloroacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	12/30/2022 09:23	1/3/2023	1/6/2023
2456	Total HAAs	552.2 HAAs 60		ug/L	1.0	1.1	1	12/30/2022 09:23	1/3/2023	1/6/2023
Organic Analytes - Volatiles										
2986	1,1,1,2-Tetrachloroethane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2981	1,1,1-Trichloroethane	524.2	0.2	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2988	1,1,2,2-Tetrachloroethane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2985	1,1,2-Trichloroethane	524.2	0.005	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2978	1,1-Dichloroethane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2977	1,1-Dichloroethene	524.2	0.007	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2410	1,1-Dichloropropene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2420	1,2,3-Trichlorobenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2414	1,2,3-Trichloropropane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2378	1,2,4-Trichlorobenzene	524.2	0.07	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2418	1,2,4-Trimethylbenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2968	1,2-Dichlorobenzene	524.2	0.6	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2980	1,2-Dichloroethane	524.2	0.005	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2983	1,2-Dichloropropane	524.2	0.005	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2424	1,3,5-Trimethylbenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2967	1,3-Dichlorobenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2412	1,3-Dichloropropane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2969	1,4-Dichlorobenzene	524.2	0.075	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2416	2,2-Dichloropropane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2965	2-Chlorotoluene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2966	4-Chlorotoluene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2030	4-Isopropyltoluene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2990	Benzene	524.2	0.005	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2993	Bromobenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2430	Bromochloromethane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2214	Bromomethane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2982	Carbon Tetrachloride	524.2	0.005	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2989	Chlorobenzene	524.2	0.1	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2216	Chloroethane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2210	Chloromethane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022

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ANALYTICAL REPORTS

SAMPLE CODE: 439367

2/4/2023

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 09:23		12/30/2022
2228	cis-1,3-Dichloropropene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2408	Dibromomethane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2212	Dichlorodifluoromethane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2964	Dichloromethane	524.2	0.005	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2992	Ethylbenzene	524.2	0.7	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2246	Hexachlorobutadiene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2994	Isopropylbenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2251	Methyl Tert Butyl Ether	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2247	Methyl-Ethyl Ketone	524.2	--	mg/L	0.005	ND	R2 1	12/30/2022 09:23		12/30/2022
2248	Naphthalene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2422	n-Butylbenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2997	o-Xylene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2963	p and m-Xylenes	524.2	--	mg/L	0.0010	ND	1	12/30/2022 09:23		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 09:23		12/30/2022
2428	sec-Butylbenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2996	Styrene	524.2	0.1	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2426	tert-Butylbenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2987	Tetrachloroethene	524.2	0.005	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2991	Toluene	524.2	1	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2979	trans-1,2-Dichloroethene	524.2	0.1	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2224	trans-1,3-Dichloropropene	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2984	Trichloroethene	524.2	0.005	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2218	Trichlorofluoromethane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2904	Trichlorotrifluoroethane	524.2	--	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2976	Vinyl Chloride	524.2	0.002	mg/L	0.0005	ND	1	12/30/2022 09:23		12/30/2022
2955	Xylenes (Total)	524.2	10	mg/L	0.0005	ND	1	12/30/2022 09:23		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 09:23	1/9/2023	1/9/2023
2946	1,2-Dibromoethane	504.1	0.00005	mg/L	0.00001	ND	1	12/30/2022 09:23	1/9/2023	1/9/2023
2105	2,4-D	515.4	70	ug/L	0.1	ND	1	12/30/2022 09:23	1/4/2023	1/13/2023
2066	3-Hydroxycarbofuran	531.2	--	ug/L	1.0	ND	1	12/30/2022 09:23		1/4/2023
2051	Alachlor	525.2	2	ug/L	0.2	ND	1	12/30/2022 09:23	1/8/2023	1/30/2023
2047	Aldicarb	531.2	7	ug/L	1.0	ND	1	12/30/2022 09:23		1/4/2023
2044	Aldicarb sulfone	531.2	7	ug/L	1.0	ND	1	12/30/2022 09:23		1/4/2023
2043	Aldicarb sulfoxide	531.2	7	ug/L	1.0	ND	1	12/30/2022 09:23		1/4/2023
2356	Aldrin	505	--	mg/L	0.00007	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2050	Atrazine	525.2	3	ug/L	0.1	ND	1	12/30/2022 09:23	1/8/2023	1/30/2023
2625	Bentazon	515.4	--	ug/L	1	ND	1	12/30/2022 09:23	1/4/2023	1/13/2023
2306	Benzo(A)pyrene	525.2	0.2	ug/L	0.02	ND	1	12/30/2022 09:23	1/8/2023	1/30/2023

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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 09:23	1/8/2023	1/30/2023
2021	Carbaryl	531.2	--	ug/L	1.0	ND	1	12/30/2022 09:23		1/4/2023
2046	Carbofuran	531.2	40	ug/L	1.0	ND	1	12/30/2022 09:23		1/4/2023
2959	Chlordane	505	0.002	mg/L	0.0001	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2031	Dalapon	515.4	200	ug/L	1	ND	1	12/30/2022 09:23	1/4/2023	1/13/2023
2035	Di(2-ethylhexyl) adipate	525.2	400	ug/L	0.2	ND	1	12/30/2022 09:23	1/8/2023	1/30/2023
2039	Di(2-ethylhexyl) phthalate	525.2	6	ug/L	0.6	ND	1	12/30/2022 09:23	1/8/2023	1/30/2023
2440	Dicamba	515.4	--	ug/L	1	ND	1	12/30/2022 09:23	1/4/2023	1/13/2023
2933	Dichloran	505	--	mg/L	0.001	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2070	Dieldrin	505	--	mg/L	0.0001	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2041	Dinoseb	515.4	7	ug/L	0.2	ND	1	12/30/2022 09:23	1/4/2023	1/13/2023
2032	Diquat	549.2	20	ug/L	0.4	ND	1	12/30/2022 09:23	1/3/2023	1/11/2023
2033	Endothall	548.1	100	ug/L	9	ND	1	12/30/2022 09:23	1/4/2023	1/16/2023
2005	Endrin	505	0.002	mg/L	0.00001	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2034	Glyphosate	547	700	ug/L	6	ND	1	12/30/2022 09:23		1/10/2023
2065	Heptachlor	505	0.0004	mg/L	0.00001	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2067	Heptachlor Epoxide	505	0.0002	mg/L	0.00001	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2274	Hexachlorobenzene	505	0.001	mg/L	0.0001	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2042	Hexachlorocyclopentadiene	505	0.05	mg/L	0.0001	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2010	Lindane	505	0.0002	mg/L	0.00002	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2022	Methomyl	531.2	--	ug/L	1.0	ND	1	12/30/2022 09:23		1/4/2023
2015	Methoxychlor	505	0.04	mg/L	0.0001	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2045	Metolachlor	525.2	--	ug/L	0.2	ND	1	12/30/2022 09:23	1/8/2023	1/30/2023
2595	Metribuzin	525.2	--	ug/L	0.2	ND	1	12/30/2022 09:23	1/8/2023	1/30/2023
2626	Molinate	525.2	--	ug/L	0.2	ND	1	12/30/2022 09:23	1/8/2023	1/30/2023
2036	Oxamyl	531.2	200	ug/L	1.0	ND	1	12/30/2022 09:23		1/4/2023
2934	Pentachloronitrobenzene	505	--	mg/L	0.0001	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2326	Pentachlorophenol	515.4	1	ug/L	0.04	ND	1	12/30/2022 09:23	1/4/2023	1/13/2023
2040	Picloram	515.4	500	ug/L	0.1	ND	1	12/30/2022 09:23	1/4/2023	1/13/2023
2077	Propachlor	525.2	--	ug/L	0.2	ND	1	12/30/2022 09:23	1/8/2023	1/30/2023
2110	Silvex 2,4,5-TP	515.4	50	ug/L	0.2	ND	1	12/30/2022 09:23	1/4/2023	1/13/2023
2037	Simazine	525.2	4	ug/L	0.07	ND	1	12/30/2022 09:23	1/8/2023	1/30/2023
2627	Thiobencarb	525.2	--	ug/L	0.2	ND	1	12/30/2022 09:23	1/8/2023	1/30/2023
2383	Total PCBs	505	0.0005	mg/L	0.0005	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2910	Total Phenols	420.4	--	mg/L	0.001	ND	R2 1	12/30/2022 09:23		1/10/2023
2020	Toxaphene	505	0.003	mg/L	0.001	ND	1	12/30/2022 09:23	1/3/2023	1/3/2023
2055	Trifluralin	505	--	mg/L	0.001	ND	1	12/30/2022 09:23	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: 439367

2/4/2023

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



Sarah Buchanan, Project Manager

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

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Laboratory ID: PA:68-00362, 0055

National Testing Laboratories, Ltd556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 439531****2/4/2023****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 Distilled
Production Code: 11-9-22
Container Size: 1 Gallon**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
Microbiologicals										
3100	Total Coliform by P/A	9223B	--	P/A	--	--	1	12/30/2022 09:23		12/30/2022 10:36
Total Coliform and E.coli were ABSENT in this sample.										
USP XXIII										
1003	Ammonia (as NH3)	USP XXIII	--	Pass/Fail	Pass	R2	1	12/30/2022 09:23		2/3/2023
1016	Calcium	USP XXIII	--	Pass/Fail	Pass	R2	1	12/30/2022 09:23		1/23/2023
1901	Carbon Dioxide (Free CO2)	USP XXIII	--	Pass/Fail	Pass	R2	1	12/30/2022 09:23		1/27/2023
1017	Chloride	USP XXIII	--	Pass/Fail	Pass	R2	1	12/30/2022 09:23		2/1/2023
	Heavy Metals (USP)	USP XXIII	--	Pass/Fail	Pass	R2	1	12/30/2022 09:23		2/3/2023
	Oxidizables (USP)	USP XXIII	--	Pass/Fail	Pass	R2	1	12/30/2022 09:23		1/27/2023
1925	pH	USP XXIII	--	pH Units	5.4	R2	1	12/30/2022 09:23		1/4/2023 12:25
1055	Sulfate	USP XXIII	--	Pass/Fail	Pass	R2	1	12/30/2022 09:23		1/23/2023
	Total Solids	USP XXIII	10	mg/L	10	ND	R2	1	12/30/2022 09:23	1/5/2023

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: 439531

2/4/2023

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



Analyst	Tests
CF	9223B, USP XXIII
JT	USP XXIII
SP	USP XXIII

Christine MacMillan, Technical Director

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National Testing Laboratories, Ltd556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 439366****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 Distilled
Production Code: 11-9-22
Container Size: 1 Gallon
PA PWS ID#: 9996247
PA Location: EP #103**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
Microbiologicals										
3114	E. Coli	9223B	1	MPN/100 mL	1	ND	1	12/30/2022 09:23		12/30/2022 11:00
3001	Standard Plate Count	9215B	500	CFU/ml	1	<1	1	12/30/2022 09:23		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 09:23		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.

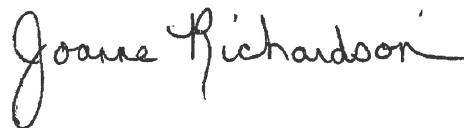
Pace Project Number:
10640004

Report Prepared Date:
January 23, 2023

Finished Product

Sample ID: 439367
Source Name: Columbus Municipal
Source Location: Columbus, OH
PWS ID: 9996247
Date & Time Opened: 01/18/2023 @ 08:21
Opened By: AS6
Laboratory Sample ID: 10640004001
Date Sampled: 01/18/2023 @ 08:21
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: DRINKING WATER = D SOIL SAMPLE = S GROUND WATER = G SLUDGE/WASTE = W POOL WATER = P OTHER TYPE = O		SAMPLE SITE DESCRIPTION		LAB #	
SAMPLE #	COLLECTION		SAMPLE TYPE	# OF CONTAINERS	
	DATE	TIME			
439365			A	1	Diploia
439367			A	1	
W0# : 10640004 					
RECEIVER SIGNATURE CONFIRMS THAT THE BOTTLES RECEIVED ARE CONSISTENT WITH THE REQUIRED TESTING PROTOCOL.			RELINQUISHED BY: (Signature)		
SAMPLED BY: (Signature)	DATE	TIME	DATE	TIME	
(1)			(4)		
SHIPPED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
(2)	1/16/13	1:00	(5)		
RECEIVED BY: (Signature)	DATE	TIME	RELINQUISHED BY: (Signature)	DATE	TIME
(3)	1/17/13	9:10	(6)		
			RECEIVED BY: (Signature)	DATE	TIME
			(7)		

See instructions on reverse side →

COC-001 2/12/11



1-800-458-3330

Beverage - Finished Product

Order Number: 2205087
Order Date: 10/7/2022
Sample Number:

Product:

FDATABASE GDRX

Distilled

Paid: No Method:

P.O.:

TSR: SBW

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$: _____

Check #: _____

Lab Comments/Special Instructions:

2022 Distilled Product

Distilled

State Forms:

PA

Lab Sample Information:

Date Received: 11/17/22

Time Received: 12:33

Received By: *Myer*

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 #103

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 OH*

(If Different than Above)

Product Collected By: *Joel Williamson*

(Signature)

Product Collected By: *Joel Williamson*

(Please Print)

Brand Name/Product Type: *Magnetic Springs Distilled*
e.g. XYZ Spring Water or XYZ Distilled Water

Container Size: *1gal*

Production Code/Lot Number: *11-9-22*

Form Completed By: *Joel Williamson*

Additional Comments:

Rev: SRT102120

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

Effective Date: 11/16/2022

Sample Condition
Upon Receipt

Client Name:

National Testing

Project #:

WO#: 10640004

Courier: ☐ FedEx ☒ UPS ☐ USPS ☐ Client
☐ Pace ☐ SpeedDee ☐ Commercial

PM: JMR

Due Date: 01/26/23

CLIENT: NTL

Tracking Number: 1ZAI9310175 469088 ☐ See Exceptions
ENV-FRM-MIN4-0142Custody Seal on Cooler/Box Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ NoBiological Tissue Frozen? ☐ Yes ☐ No ☒ N/APacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other *Packing*Temp Blank? ☐ Yes ☒ NoThermometer: ☐ T1 (0461) ☐ T2 (1336) ☐ T3 (0459) ☐ T4 (0254) ☐ T5 (0178) ☒ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9 (0727) 01339252/1710Type of Ice: ☐ Wet ☐ Blue ☐ Dry ☒ None
☐ MeltedDid Samples Originate in West Virginia? ☐ Yes ☒ NoWere All Container Temps Taken? ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6 °C

Cooler temp Read w/Temp Blank: °C

Average Corrected Temp

(no temp blank only): 17.1 °C

Correction Factor: Sub 0.1

Cooler Temp Corrected w/temp blank: °C

☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 ContainerUSDA Regulated Soil: ☒ N/A, water sample/other:)

Date/Initials of Person Examining Contents: 1/17/23 APC

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

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted:

Date/Time:

Comments/Resolution: Finished product temperature not applicable.

Project Manager Review: James Richardson

Date: 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 DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled By: B62

Line: 1



DC# Title: ENV-FRM-MIN4-0142 v02_Sample Condition Upon Receipt
(SCUR) Exception Form

Effective Date: 09/22/2022

Workorder #: 10640004

No Temp Blank		
Read Temp	Corrected Temp	Average temp
17.2	17.1	17.1
17.2	17.2	

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
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	
								☐ Yes	☐ No	

Comments:



Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414

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

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

Sample ID.....439367 Date Collected.....01/18/2023 Spike.....200 pg
Client..... National Testing Laboratory Date Received.....01/17/2023 IS Spike.....2000 pg
Lab Sample ID..... 10640004001 Date Extracted.....01/18/2023 CS Spike.....200 pg

	Sample 439367	Method Blank	Lab Spike	Lab 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	93%	89%	85%	93%
pg Recovered	1861 pg/L	1785 pg/L	1705 pg/L	1857 pg/L
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	86%	78%	79%	82%
pg Recovered	171 pg/L	156 pg/L	158 pg/L	164 pg/L
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	E230120B_05	E230119B_09	E230119B_07	E230119B_08
Analysis Date	01/20/2023	01/19/2023	01/19/2023	01/19/2023
Analysis Time	11:14	18:24	17:26	17:55
Analyst	CVS	SM	SM	SM
Volume	1.009L	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-¹³C₁₂]
CS = Cleanup Standard [2,3,7,8-TCDD-³⁷Cl₄]

Analyst: *Chuck Suer*

Project No.....10640004

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2205087
Pace Project No.: 30554667

Sample: 439367 **Lab ID: 30554667001** Collected: 01/16/23 00:00 Received: 01/17/23 12:13 Matrix: Drinking Water
PWS: Site ID: Sample Type:

Comments: • FINISHED PRODUCT, Columbus Municipal, Columbus, OH
• Magnetic Springs Distilled, 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	-41.1 ± 44.5 (81.2) C:NA T:NA	pCi/L	01/20/23 20:06	10043-92-2	
Pace Analytical Services - Greensburg						
Gross Alpha	EPA 900.0	0.155 ± 0.513 (1.30) C:NA T:NA	pCi/L	01/26/23 08:50	12587-46-1	
Gross Beta	EPA 900.0	0.150 ± 0.601 (1.44) C:NA T:NA	pCi/L	01/26/23 08:50	12587-47-2	
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.000 ± 0.278 (0.623) C:NA T:103%	pCi/L	01/24/23 13:31	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	-0.00943 ± 0.197 (0.472) C:84% T:91%	pCi/L	01/23/23 12:41	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.000 ± 0.475 (1.10)	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> / cinnaslab@EMSL.com

EMSL Order ID: 042301251
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: 439367

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

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm ²)	Area Analyzed (mm ²)	ASBESTOS				
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
					MFL (million fibers per liter)				
439367	11/17/2023	100	1335	0.0762	None Detected	ND	0.18	<0.18	0.00 - 0.65
042301251-0001	01:10 PM								

Collection Date/Time: 11/17/2023 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 09:16:46

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 ≤ 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: 439367

Job ID: 810-49279-1

Client Sample ID: 439367/2205087

Lab Sample ID: 810-49279-1

Date Collected: 12/30/22 09:22

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	0.16		0.050		ug/L			01/11/23 11:59	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 09:41	01/09/23 12:40	1

Eurofins Eaton South Bend