



Quality Water Analysis

Corporate Headquarters
6571 Wilson Mills Road
Cleveland, Ohio 44143

Phone: 800-458-3330

This report package contains 50 pages.

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- Eurofins Eaton Analytical, Inc. (8 pages)
- con-test – East Longmeadow, MA (Pace Analytical) (13 pages)

NELAP accredited #E87753



ANALYTICAL REPORTS

SAMPLE CODE: 468840

10/24/2024

Customer: Puritan Springs Water Co
 Shawn Gray
 1709 N Kickapoo
 Lincoln, IL 62656

Source: Mahomet Aquifer
Source Type: Well Water
Brand Name: Drinking Water
Production Code: 091224 0708 0056
Container Size: 5 Gallon

Date/Time Received: 9/16/2024 09:27

Collected by: E. Reichert

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	9/23/2024 13:42		10/14/2024
1074	Antimony	200.8	0.006	mg/L	0.003	ND	1	9/23/2024 13:42		10/15/2024
1005	Arsenic	200.8	0.010	mg/L	0.002	ND	1	9/23/2024 13:42		10/15/2024
1010	Barium	200.7	2	mg/L	0.10	ND	1	9/23/2024 13:42		10/14/2024
1075	Beryllium	200.7	0.004	mg/L	0.001	ND	1	9/23/2024 13:42		10/14/2024
1079	Boron	200.7	--	mg/L	0.10	ND	1	9/23/2024 13:42		10/14/2024
1015	Cadmium	200.7	0.005	mg/L	0.001	ND	1	9/23/2024 13:42		10/14/2024
1016	Calcium	200.7	--	mg/L	2.0	ND	1	9/23/2024 13:42		10/14/2024
1020	Chromium	200.7	0.100	mg/L	0.007	ND	1	9/23/2024 13:42		10/14/2024
1022	Copper	200.7	1.0	mg/L	0.002	ND	1	9/23/2024 13:42		10/14/2024
1028	Iron	200.7	0.3	mg/L	0.020	ND	1	9/23/2024 13:42		10/14/2024
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	9/23/2024 13:42		10/15/2024
1031	Magnesium	200.7	--	mg/L	0.10	ND	1	9/23/2024 13:42		10/14/2024
1032	Manganese	200.7	0.05	mg/L	0.004	ND	1	9/23/2024 13:42		10/14/2024
1035	Mercury	200.8	0.002	mg/L	0.0002	ND	1	9/23/2024 13:42		10/15/2024
1036	Nickel	200.7	--	mg/L	0.005	ND	1	9/23/2024 13:42		10/14/2024
1042	Potassium	200.7	--	mg/L	1.0	ND	1	9/23/2024 13:42		10/14/2024
1045	Selenium	200.8	0.05	mg/L	0.002	ND	1	9/23/2024 13:42		10/15/2024
1049	Silica	200.7	--	mg/L	0.05	ND	1	9/23/2024 13:42		10/14/2024

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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: 468840

10/24/2024

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	9/23/2024 13:42		10/14/2024
1052	Sodium	200.7	--	mg/L	1	ND	1	9/23/2024 13:42		10/14/2024
1085	Thallium	200.8	0.002	mg/L	0.001	ND	1	9/23/2024 13:42		10/15/2024
4006	Uranium	200.8	0.030	mg/L	0.001	ND	1	9/23/2024 13:42		10/15/2024
1095	Zinc	200.7	5.000	mg/L	0.004	ND	1	9/23/2024 13:42		10/14/2024
Physical Factors										
1927	Alkalinity (Total as CaCO ₃)	2320B	--	mg/L	20	ND	1	9/23/2024 13:42		10/2/2024
1905	Apparent Color	2120B	15	CU	3	ND	1	9/23/2024 13:42		9/23/2024 15:30
1910	Corrosivity	2330B	--	SI		-5.31	R2	1	9/23/2024 13:42	10/15/2024
2905	Foaming Agents	5540C	0.5	mg/L	0.1	ND	1	9/23/2024 13:42		9/25/2024 12:20
MBAS, calculated as Linear Alkylate Sulfonate (LAS), mol wt of 342.4 g/mole										
1915	Hardness	2340B	--	mg/L	5.0	ND	1	9/23/2024 13:42		10/14/2024
1920	Odor Temperature	2150B	--	Deg, C		21	1	9/23/2024 13:42		9/23/2024 14:30
1920	Odor Threshold	2150B	3	ton	1	ND	1	9/23/2024 13:42		9/23/2024 14:30
1925	pH	150.1	6.5-8.5	pH Units		5.8*	1	9/23/2024 13:42		9/23/2024 14:45
4254	pH Temperature	150.1	--	Deg, C		21	1	9/23/2024 13:42		9/23/2024 14:45
1930	Total Dissolved Solids	2540C	500	mg/L	5	ND	1	9/23/2024 13:42		9/25/2024
0100	Turbidity	2130B	1	NTU	0.1	ND	1	9/23/2024 13:42		9/23/2024 15:20
Inorganic Analytes - Other										
1011	Bromate	300.1	0.010	mg/L	0.005	ND	1	9/23/2024 13:42		10/1/2024
1004	Bromide	300.1	--	mg/L	0.005	ND	1	9/23/2024 13:42		10/1/2024
1006	Chloramine as Cl ₂	4500Cl-G	4.0	mg/L	0.05	ND	1	9/23/2024 13:42		9/23/2024 16:17
1017	Chloride	300.0	250	mg/L	1.0	ND	1	9/23/2024 13:42		9/24/2024 12:53
1012	Chlorine as Cl ₂	4500Cl-G	4.0	mg/L	0.05	ND	1	9/23/2024 13:42		9/23/2024 16:14
1008	Chlorine Dioxide as ClO ₂	4500ClO2D	0.8	mg/L	0.1	ND	1	9/23/2024 13:42		9/23/2024 16:14
1009	Chlorite	300.1	1.0	mg/L	0.005	ND	1	9/23/2024 13:42		10/1/2024
1025	Fluoride	300.0	4.0	mg/L	0.10	ND	1	9/23/2024 13:42		9/24/2024 12:53
1040	Nitrate as N	300.0	10	mg/L	0.05	ND	1	9/23/2024 13:42		9/24/2024 12:53
1041	Nitrite as N	300.0	1	mg/L	0.05	ND	1	9/23/2024 13:42		9/24/2024 12:53
1044	Ortho Phosphate	300.0	--	mg/L	2.0	ND	1	9/23/2024 13:42		9/24/2024 12:53
1055	Sulfate	300.0	250	mg/L	5.0	ND	1	9/23/2024 13:42		9/24/2024 12:53
Organic Analytes - Trihalomethanes										
2943	Bromodichloromethane	524.2 THMs	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2942	Bromoform	524.2 THMs	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2941	Chloroform	524.2 THMs	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2944	Dibromochloromethane	524.2 THMs	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2950	Total THMs	524.2 THMs	0.080	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
Organic Analytes - Haloacetic Acids										

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ANALYTICAL REPORTS

SAMPLE CODE: 468840

10/24/2024

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
2454	Dibromoacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	9/23/2024 13:42	10/3/2024	10/8/2024
2451	Dichloroacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	9/23/2024 13:42	10/3/2024	10/8/2024
2453	Monobromoacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	9/23/2024 13:42	10/3/2024	10/8/2024
2450	Monochloroacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	9/23/2024 13:42	10/3/2024	10/8/2024
2452	Trichloroacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	9/23/2024 13:42	10/3/2024	10/8/2024
2456	Total HAAs	552.2 HAAs 60		ug/L	1.0	ND	1	9/23/2024 13:42	10/3/2024	10/8/2024
Organic Analytes - Volatiles										
2986	1,1,1,2-Tetrachloroethane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2981	1,1,1-Trichloroethane	524.2	0.2	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2988	1,1,2,2-Tetrachloroethane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2985	1,1,2-Trichloroethane	524.2	0.005	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2978	1,1-Dichloroethane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2977	1,1-Dichloroethene	524.2	0.007	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2410	1,1-Dichloropropene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2420	1,2,3-Trichlorobenzene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2414	1,2,3-Trichloropropane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2378	1,2,4-Trichlorobenzene	524.2	0.07	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2418	1,2,4-Trimethylbenzene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2968	1,2-Dichlorobenzene	524.2	0.6	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2980	1,2-Dichloroethane	524.2	0.005	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2983	1,2-Dichloropropane	524.2	0.005	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2424	1,3,5-Trimethylbenzene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2967	1,3-Dichlorobenzene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2412	1,3-Dichloropropane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2969	1,4-Dichlorobenzene	524.2	0.075	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2416	2,2-Dichloropropane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2965	2-Chlorotoluene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2966	4-Chlorotoluene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2030	4-Isopropyltoluene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2990	Benzene	524.2	0.005	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2993	Bromobenzene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2430	Bromochloromethane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2214	Bromomethane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2982	Carbon Tetrachloride	524.2	0.005	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2989	Chlorobenzene	524.2	0.1	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2216	Chloroethane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2210	Chloromethane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2380	cis-1,2-Dichloroethene	524.2	0.07	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2228	cis-1,3-Dichloropropene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2408	Dibromomethane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024

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ANALYTICAL REPORTS

SAMPLE CODE: 468840

10/24/2024

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
2212	Dichlorodifluoromethane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2964	Dichloromethane	524.2	0.005	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2992	Ethylbenzene	524.2	0.7	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2246	Hexachlorobutadiene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2994	Isopropylbenzene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2251	Methyl Tert Butyl Ether	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2247	Methyl-Ethyl Ketone	524.2	--	mg/L	0.005	0.018 R2	1	9/23/2024 13:42		9/25/2024
2248	Naphthalene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2422	n-Butylbenzene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2997	o-Xylene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2963	p and m-Xylenes	524.2	--	mg/L	0.0010	ND	1	9/23/2024 13:42		9/25/2024
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	9/23/2024 13:42		9/25/2024
2428	sec-Butylbenzene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2996	Styrene	524.2	0.1	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2426	tert-Butylbenzene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2987	Tetrachloroethene	524.2	0.005	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2991	Toluene	524.2	1	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2979	trans-1,2-Dichloroethene	524.2	0.1	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2224	trans-1,3-Dichloropropene	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2984	Trichloroethene	524.2	0.005	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2218	Trichlorofluoromethane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2904	Trichlorotrifluoroethane	524.2	--	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2976	Vinyl Chloride	524.2	0.002	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
2955	Xylenes (Total)	524.2	10	mg/L	0.0005	ND	1	9/23/2024 13:42		9/25/2024
Organic Analytes - Others										
2414	1,2,3-Trichloropropane	504.1	0.00003	mg/L	0.00001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2931	1,2-Dibromo-3-chloropropane	504.1	0.0002	mg/L	0.00001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2946	1,2-Dibromoethane	504.1	0.00005	mg/L	0.00001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2105	2,4-D	515.4	70	ug/L	0.1	ND	1	9/23/2024 13:42	9/27/2024	10/2/2024
2066	3-Hydroxycarbofuran	531.2	--	ug/L	1.0	ND	1	9/23/2024 13:42		10/1/2024
2051	Alachlor	525.2	2	ug/L	0.2	ND	1	9/23/2024 13:42	9/26/2024	10/17/2024
2047	Aldicarb	531.2	7	ug/L	1.0	ND	1	9/23/2024 13:42		10/1/2024
2044	Aldicarb sulfone	531.2	7	ug/L	1.0	ND	1	9/23/2024 13:42		10/1/2024
2043	Aldicarb sulfoxide	531.2	7	ug/L	1.0	ND	1	9/23/2024 13:42		10/1/2024
2356	Aldrin	505	--	mg/L	0.00007	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2050	Atrazine	525.2	3	ug/L	0.1	ND	1	9/23/2024 13:42	9/26/2024	10/17/2024
2625	Bentazon	515.4	--	ug/L	1	ND	1	9/23/2024 13:42	9/27/2024	10/2/2024
2306	Benzo(A)pyrene	525.2	0.2	ug/L	0.02	ND	1	9/23/2024 13:42	9/26/2024	10/17/2024
2076	Butachlor	525.2	--	ug/L	0.2	ND	1	9/23/2024 13:42	9/26/2024	10/17/2024
2021	Carbaryl	531.2	--	ug/L	1.0	ND	1	9/23/2024 13:42		10/1/2024

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ANALYTICAL REPORTS

SAMPLE CODE: 468840

10/24/2024

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
2046	Carbofuran	531.2	40	ug/L	1.0	ND	1	9/23/2024 13:42		10/1/2024
2959	Chlordane	505	0.002	mg/L	0.0001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2031	Dalapon	515.4	200	ug/L	1	ND	1	9/23/2024 13:42	9/27/2024	10/2/2024
2035	Di(2-ethylhexyl) adipate	525.2	400	ug/L	0.2	ND	1	9/23/2024 13:42	9/26/2024	10/17/2024
2039	Di(2-ethylhexyl) phthalate	525.2	6	ug/L	0.6	ND	1	9/23/2024 13:42	9/26/2024	10/17/2024
2440	Dicamba	515.4	--	ug/L	1	ND	1	9/23/2024 13:42	9/27/2024	10/2/2024
2933	Dichloran	505	--	mg/L	0.001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2070	Dieldrin	505	--	mg/L	0.00002	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2041	Dinoseb	515.4	7	ug/L	0.2	ND	1	9/23/2024 13:42	9/27/2024	10/2/2024
2032	Diquat	549.2	20	ug/L	0.4	ND	1	9/23/2024 13:42	9/25/2024	10/9/2024
2033	Endothall	548.1	100	ug/L	9	ND	1	9/23/2024 13:42	9/30/2024	10/10/2024
2005	Endrin	505	0.002	mg/L	0.00001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2034	Glyphosate	547	700	ug/L	6	ND	1	9/23/2024 13:42		10/2/2024
2065	Heptachlor	505	0.0004	mg/L	0.00001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2067	Heptachlor Epoxide	505	0.0002	mg/L	0.00001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2274	Hexachlorobenzene	505	0.001	mg/L	0.0001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2042	Hexachlorocyclopentadiene	505	0.05	mg/L	0.0001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2010	Lindane	505	0.0002	mg/L	0.00002	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2022	Methomyl	531.2	--	ug/L	1.0	ND	1	9/23/2024 13:42		10/1/2024
2015	Methoxychlor	505	0.04	mg/L	0.0001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2045	Metolachlor	525.2	--	ug/L	0.2	ND	1	9/23/2024 13:42	9/26/2024	10/17/2024
2595	Metribuzin	525.2	--	ug/L	0.2	ND	1	9/23/2024 13:42	9/26/2024	10/17/2024
2626	Molinate	525.2	--	ug/L	0.2	ND	1	9/23/2024 13:42	9/26/2024	10/17/2024
2036	Oxamyl	531.2	200	ug/L	1.0	ND	1	9/23/2024 13:42		10/1/2024
2934	Pentachloronitrobenzene	505	--	mg/L	0.0001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2326	Pentachlorophenol	515.4	1	ug/L	0.04	ND	1	9/23/2024 13:42	9/27/2024	10/2/2024
2040	Picloram	515.4	500	ug/L	0.1	ND	1	9/23/2024 13:42	9/27/2024	10/2/2024
2077	Propachlor	525.2	--	ug/L	0.2	ND	1	9/23/2024 13:42	9/26/2024	10/17/2024
2110	Silvex 2,4,5-TP	515.4	50	ug/L	0.2	ND	1	9/23/2024 13:42	9/27/2024	10/2/2024
2037	Simazine	525.2	4	ug/L	0.07	ND	1	9/23/2024 13:42	9/26/2024	10/17/2024
2627	Thiobencarb	525.2	--	ug/L	0.2	ND	1	9/23/2024 13:42	9/26/2024	10/17/2024
2383	Total PCBs	505	0.0005	mg/L	0.0005	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2910	Total Phenols	420.4	--	mg/L	0.001	ND	R2 1	9/23/2024 13:42		9/24/2024
2020	Toxaphene	505	0.003	mg/L	0.001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024
2055	Trifluralin	505	--	mg/L	0.001	ND	1	9/23/2024 13:42	9/30/2024	9/30/2024

Qualifiers:

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

National Testing Laboratories, Ltd

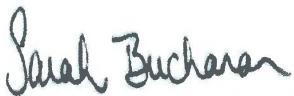
556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 468840

10/24/2024

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

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ANALYTICAL REPORTS

SAMPLE CODE: 468839

10/24/2024

Customer: Puritan Springs Water Co
 Shawn Gray
 1709 N Kickapoo
 Lincoln, IL 62656

Source: Mahomet Aquifer
Source Type: Well Water
Brand Name: Drinking Water
Production Code: 091224 0708 0056
Container Size: 5 Gallon

Date/Time Received: 9/16/2024 09:27

Collected by: E. Reichert

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	9/23/2024 13:42		9/24/2024 12:26
3001	Standard Plate Count	9215B	500	CFU/ml	1	<1	1	9/23/2024 13:42		9/24/2024 12:00
Pour Plate Method, 35°C/48hr, Plate Count Agar										
3000	Total Coliform	9223B	1	MPN/100 mL	1	ND	1	9/23/2024 13:42		9/24/2024 12:26

Analyst	Tests
GK	9223B,9215B



Christine MacMillan, Technical Director

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Report Prepared for:

National Laboratories
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:

10709249

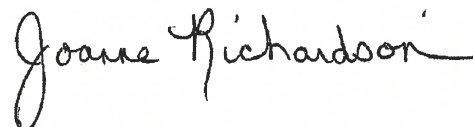
Report Prepared Date:

October 3, 2024

Finished Product

Sample ID: 468840
Source Name: Mahomet Aquifer
Source Location: Lincoln IL
PWS ID: N/A
Date & Time Opened: N/A
Opened By:
Laboratory Sample ID: 10709249001
Date Sampled: 09/23/2024 @ 13:42
Date Received: 09/25/2024 @ 09:40

This report has been reviewed by:



October 03, 2024

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 SE
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444
 www.pacelabs.com

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-DW	27700
Colorado	MN00064	North Carolina-WW	530
Connecticut	PH-0256	North Dakota	R-036
Florida	E87605	Ohio-DW	41244
Georgia	959	Ohio-VAP (1700)	CL101
Hawaii	MN00064	Ohio-VAP (1800)	CL110
Idaho	MN00064	Oklahoma	9507
Illinois	200011	Oregon-Primary	MN300001
Indiana	C-MN-01	Oregon-Secondary	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-DEP	382
Minnesota-Ag	via MN 027-053-137	West Virginia-DW	9952C
Minnesota-Petrofund	1240	Wisconsin	999407970
Mississippi	MN00064	Wyoming-UST	via A2LA 2926.01

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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National Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

Beverage - Finished Product

Order Number: 2249369
 Order Date: 9/5/2024
 Sample Number: 468840
 Product: FDABASE GDR & Perchlorate
 Paid: No Method: Purchase P.O.: Lincoln, IL
 Order
 TSR: SBW

Lincoln IL 62656

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

Client Name: _____
 Phone Number: _____
 Fax Number: _____
 PWS ID# (if applicable): _____
 Source Type: Spring Well Municipal
 Other: _____
 Source Name: Mahomet Aquifer
 (Source Information is REQUIRED for All Finished Products)
 City & State: _____
 (If Different than Above)
 Product Collected By: ER
 (Signature)
 Product Collected By: Eric Reichert
 (Please Print)
 Brand Name/Product Type: Drinking Water
 e.g. XYZ Spring Water or XYZ Distilled Water
 Container Size: 5 Gallon

For Laboratory Use ONLY

Lab Accounting Information:
 Payment \$: _____
 Check #: _____

Lab Comments/Special Instructions:
 Drinking Product
 Atoxin
 State Forms: _____

Lab Sample Information:
 Date Received: RECEIVED SEP 16 2024
 Time Received: _____: 0927
 Received By: AB
 Date Opened: SEP 23 2024
 Time Opened: 13:42
 Opened By: A. Montgomery
 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#: _____
 Location: _____

Production Code/Lot Number: 091224 0708 0056
 Form Completed By: Eric Reichert
 Additional Comments: _____

Rev: SRT102120 **INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS**

ENV-FRM-MIN4-0150 v17_Sample Condition Upon Receipt

CLIENT NAME: National Testing Lab. PROJECT #: _____

WO#: 10709249

PM: JMR Due Date: 10/04/24

CLIENT: NTL

COURIER: Client Commercial FedEx Pace
 Speedee UPS USPS

TRACKING NUMBER: 1ZAN9310174624456 See Exceptions form 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 Bags Bubble Wrap None Other Temp Blank: YES NO Type of Ice: Blue Dry Wet
 Melted None

Thermometer: T1 (0461) T2 (0436) T3 (0459) T4 (0402) T5 (0178) T6 (0235)
 T7 (0042) T8 (0775) T9 (0727) 01339252 (1710)

Did Samples Originate in West Virginia: YES NO Were All Container Temps taken: YES NO N/A

Correction Factor: TRUE Cooler Temp Read w/Temp Blank: 1.6 °C Average Corrected Temp (no Temp Blank Only): _____ °C
Cooler Temp Corrected w/Temp Blank: 1.6 °C

NOTE: Temp should be above freezing to 6°C. See Exceptions Form ENV-FRM-MIN4-0142 1 Container

USDA Regulated Soil: N/A - Water Sample/Other (describe): _____ Initials & Date of Person Examining Contents: 9/25/24 JTR

Did Samples originate from one of the following states (check maps) - AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA: YES NO Did samples originate from a foreign source (international, including Hawaii and Puerto Rico): YES NO

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

LOCATION (check one):	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.
Samples Arrived within Hold-Time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. If Fecal: <input type="checkbox"/> <8 hrs <input type="checkbox"/> >8 hr, <24 hr <input type="checkbox"/> No
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. <input type="checkbox"/> BOD / cBOD <input type="checkbox"/> Fecal coliform <input type="checkbox"/> Hex Chrom <input type="checkbox"/> HPC <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Ortho.Phos <input type="checkbox"/> Total coliform/E. coli <input type="checkbox"/> Other: _____
Rush Turn Around Time Requested?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6.
Sufficient Sample Volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.
Correct Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.
- Pace Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Containers Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.
Field Filtered Volume Received for Dissolved Tests?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10. Is sediment visible in the dissolved container: <input type="checkbox"/> YES <input type="checkbox"/> NO
Is sufficient information available to reconcile the samples to the COC? NOTE: If ID/Date/Time don't match fill out section 11. Matrix: <input type="checkbox"/> Oil <input type="checkbox"/> Soil <input checked="" type="checkbox"/> Water <input type="checkbox"/> Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11. If NO, write ID/Date/Time of container below: <input type="checkbox"/> See Exceptions form ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil & Grease, DRO/8015 (water) and Dioxins/PFAS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12. Sample #: <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> Zinc Acetate Positive for Residual Chlorine: <input type="checkbox"/> YES <input type="checkbox"/> NO
NOTE: If adding preservation to the container, verify with the PM first. Clients may require adding preservative to the field and equipment blanks when this occurs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Headspace in Methyl Mercury Container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	13.
Extra labels present on soil VOA or WIDRO containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	14.
Headspace in VOA Vials (greater than 6mm)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> See Exceptions form ENV-FRM-MIN4-0140
Trip Blanks Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	15.
Trip Blank Custody Seals Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pace Trip Blank Lot # (if purchased): _____

CLIENT NOTIFICATION / RESOLUTION FIELD DATA REQUIRED: YES NO

Person Contacted: _____ Date & Time: _____

Comments / Resolution: _____

Project Manager Review: Joane Richardson Date: 9-26-24

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

Labeled By: DGS Line: 2



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

Tel12-607-1700
Fax612-607-6444

Sample ID.....**468840** Date Collected.....09/23/2024 Spike.....200 pg
Client..... National Testing Laborato Date Received.....09/25/2024 IS Spike.....2000 pg
Lab Sample ID..... 10709249001 Date Extracted.....09/27/2024 CS Spike.....200 pg

	Sample 468840	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	--	--	102%	114%
pg Recovered	--	--	205pg/L	228pg/L
Spike Recovery Limit	--	--	73-146%	73-146%
RPD				10.8%
IS Recovery	48%	45%	56%	50%
pg Recovered	953 pg/L	891 pg/L	1112 pg/L	994 pg/L
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	57%	60%	71%	73%
pg Recovered	115 pg/L	121 pg/L	141 pg/L	146 pg/L
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	E240930B_15	E240930A_10	E240930A_08	E240930A_09
Analysis Date	10/01/2024	09/30/2024	09/30/2024	09/30/2024
Analysis Time	05:21	13:46	12:41	13:14
Analyst	JF	JF	JF	JF
Volume	0.944L	0.974L	0.944L	0.958L
Dilution	NA	NA	NA	NA
ICAL Date	09/26/2024	09/26/2024	09/26/2024	09/26/2024
CCAL Filename	E240930B_02	E240930A_04	E240930A_04	E240930A_04

- ! = 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: 

Project No.....10709249



PROJECT NARRATIVE

Project: 2249639
Pace Project No.: 30720463

Method: EPA 900.0
Description: 900.0 Gross Alpha/Beta
Client: National Testing Laboratories, Ltd.
Date: October 14, 2024

General Information:

1 sample was analyzed for EPA 900.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 2249639
Pace Project No.: 30720463

Method: EPA 903.1
Description: 903.1 Radium 226, DW
Client: National Testing Laboratories, Ltd.
Date: October 14, 2024

General Information:

1 sample was analyzed for EPA 903.1 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 2249639
Pace Project No.: 30720463

Method: EPA 904.0
Description: 904.0 Radium 228, DW
Client: National Testing Laboratories, Ltd.
Date: October 14, 2024

General Information:

1 sample was analyzed for EPA 904.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 2249639
Pace Project No.: 30720463

Method: Total Radium Calculation
Description: Total Radium 228+226
Client: National Testing Laboratories, Ltd.
Date: October 14, 2024

General Information:

1 sample was analyzed for Total Radium Calculation by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2249639
 Pace Project No.: 30720463

Sample: 468840 **Lab ID: 30720463001** Collected: 09/23/24 13:42 Received: 09/25/24 10:05 Matrix: Drinking Water
 PWS: Site ID: Sample Type:

- Comments:
- FINISHED PRODUCT, Mahomet Aquifer, Lincoln, IL
 - Drinking Water, Prod. code: 091224 0708 0056, Cont. size: 5 Gallon
 - sample opened 09/23/24 @ 13:42 by NA
 - The sampler's name and signature were not listed on the COC.
 - Sample collection dates and times were not present on the sample containers.
 - Upon receipt at the laboratory, 5.0 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH <2 for radiochemistry analysis, where the method requires preservation, in drinking water.
 - The samples were preserved pH <2 within the required 5 days of collection (EPA 815-R-05-004).

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Gross Alpha	EPA 900.0	-0.182 ± 0.626 (1.91) C:NA T:NA	pCi/L	10/08/24 07:50	12587-46-1	
Gross Beta	EPA 900.0	0.609 ± 0.706 (1.54) C:NA T:NA	pCi/L	10/08/24 07:50	12587-47-2	
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	0.228 ± 0.346 (0.597) C:NA T:97%	pCi/L	10/10/24 12:42	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.443 ± 0.333 (0.667) C:78% T:84%	pCi/L	10/10/24 14:06	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.671 ± 0.679 (1.26)	pCi/L	10/14/24 10:59	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 2249639
 Pace Project No.: 30720463

QC Batch: 698441	Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1	Analysis Description: 903.1 Radium-226, DW
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30720463001

METHOD BLANK: 3401273 Matrix: Drinking Water

Associated Lab Samples: 30720463001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.597 ± 0.414 (0.592) C:NA T:93%	pCi/L	10/10/24 12:17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 2249639
 Pace Project No.: 30720463

QC Batch: 698442	Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0	Analysis Description: 904.0 Radium 228, DW
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30720463001

METHOD BLANK: 3401277 Matrix: Drinking Water

Associated Lab Samples: 30720463001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.210 ± 0.347 (0.759) C:76% T:83%	pCi/L	10/10/24 14:03	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 2249639
Pace Project No.: 30720463

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2249639
Pace Project No.: 30720463

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30720463001	468840	EPA 900.0	698778		
30720463001	468840	EPA 903.1	698441		
30720463001	468840	EPA 904.0	698442		
30720463001	468840	Total Radium Calculation	702661		

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2249639
Pace Project No.: 30720463

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 2249639
Pace Project No.: 30720463

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30720463001	468840	Drinking Water	09/23/24 13:42	09/25/24 10:05

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2249639
Pace Project No.: 30720463

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30720463001	468840	EPA 900.0	KET	2	PASI-PA
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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Quality Water Analysis

1-800-458-3330

Beverage - Finished Product

Order Number: 2249369

Order Date: 9/5/2024 468840

Sample Number:

Product: FDATABASE GDR & Perchlorate

Paid: No Method: Purchase Order

P.O.: Lincoln, IL

WO#: 30720463

PM: CMC

Due Date: 10/16/24

CLIENT: NTL

TSR: SBW

Lincoln

IL 62656

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

Client Name: _____

Phone Number: _____

Fax Number: _____

PWS ID# (if applicable): _____

Source Type: Spring Well Municipal

Other: _____

Source Name: Mahomet Aquifer
(Source Information is REQUIRED for All Finished Products)

City & State: _____
(If Different than Above)

Product Collected By: ER
(Signature)

Product Collected By: Eric Reichert
(Please Print)

Brand Name/Product Type: Drinking Water
e.g. XYZ Spring Water or XYZ Distilled Water

Container Size: 5 Gallon

Production Code/Lot Number: 091224 0708 0056

Form Completed By: Eric Reichert

Additional Comments: _____

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$: _____

Check #: _____

Lab Comments/Special Instructions:

Drinking Product

Rads

State Forms: _____

Lab Sample Information:

Date Received: RECEIVED SEP 16 2024

Time Received: _____ : 0927

Received By: AB

Date Opened: SEP 23 2024

Time Opened: 13:42

Opened By: A. Montgomery

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#: _____

Location: _____

DC#_Title: ENV-FRM-GBUR-0088 v07_Sa
Greensburg
Effective Date: 01/04/2024

WO# : 30720463
PM: CMC Due Date: 10/16/24
CLIENT: NTL
Project #:

Client Name: NTL

Courier: Fed Ex UPS USPS Client Commercial Pace Other
Tracking Number: 1Z AIV 931 01 7337 8760
Custody Seal on Cooler/Box Present: Yes No Seals Intact: Yes No
Thermometer Used: _____ Type of Ice: Wet Blue None
Cooler Temperature: Observed Temp _____ °C Correction Factor: _____ °C Final Temp: _____ °C
Temp should be above freezing to 6°C

Initial/Date
Examined By: EJ 9/25/24
Labeled By: EJ 9/25/24
Temped By: _____

Comments:	Yes	No	NA	pH paper Lot# <u>10P/041</u>	D.P.D. Residual Chlorine Lot #
Chain of Custody Present	/			1.	
Chain of Custody Filled Out: -Were client corrections present on CDC	/			2.	
Chain of Custody Relinquished	/			3.	
Sampler Name & Signature on COC:	/			4.	
Sample Labels match COC: -Includes date/time/ID Matrix: <u>DW</u>	/			5.	<u>No sample collection date/time on sample labels</u>
Samples Arrived within Hold Time:	/			6.	
Short Hold Time Analysis (<72hr remaining):	/			7.	
Rush Turn Around Time Requested:	/			8.	
Sufficient Volume:	/			9.	
Correct Containers Used: -Pace Containers Used	/			10.	
Containers Intact:	/			11.	
Orthophosphate field filtered:	/			12.	
Hex Cr Aqueous samples field filtered:	/			13.	
Organic Samples checked for dichlorination	/			14.	
Filtered volume received for dissolved tests:	/			15.	
All containers checked for preservation: exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix	/			16.	<u>Added 5.0mL to each of the 3 BPIUs provided</u>
All containers meet method preservation requirements:	/			Initial when completed <u>EJ</u>	Date/Time of Preservation <u>9/25/24 1035</u>
8260C/D: Headspace in VOA Vials (> 6mm)	/			Lo# of added Preservative <u>30209709</u>	
624.1: Headspace in VOA Vials (0mm)	/			17.	
Radon: Headspace in RAD Vials (0mm)	/			18.	
Trip Blank Present:	/			19.	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	/			Initial when completed <u>EJ</u>	Date: <u>9/25/24</u> Survey Meter SN: <u>75014380</u>
Comments:					

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office. PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen. Qualtrax ID: 55680

Case Narrative

Client: National Testing Laboratories, Ltd
Project: 468840/ 2249369

Job ID: 810-121596-1

Job ID: 810-121596-1

Eurofins Eaton Analytical South Bend

Job Narrative 810-121596-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 9/25/2024 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C.

LCMS

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.



Client Sample Results

Client: National Testing Laboratories, Ltd
 Project/Site: 468840/ 2249369

Job ID: 810-121596-1

Client Sample ID: 468840

Lab Sample ID: 810-121596-1

Date Collected: 09/23/24 13:42

Matrix: Drinking Water

Date Received: 09/25/24 10:00

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			10/01/24 03:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	<0.0050		0.0050		mg/L		09/27/24 09:51	09/27/24 11:20	1



Definitions/Glossary

Client: National Testing Laboratories, Ltd
Project/Site: 468840/ 2249369

Job ID: 810-121596-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Lab Chronicle

Client: National Testing Laboratories, Ltd
Project/Site: 468840/ 2249369

Job ID: 810-121596-1

Client Sample ID: 468840

Lab Sample ID: 810-121596-1

Date Collected: 09/23/24 13:42

Matrix: Drinking Water

Date Received: 09/25/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	331.0		1	116902	GL	EA SB	10/01/24 03:24
Total/NA	Prep	Distill/CN			116646	KH	EA SB	09/27/24 09:51
Total/NA	Analysis	335.4		1	116679	KH	EA SB	09/27/24 11:20

Laboratory References:

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777



Accreditation/Certification Summary

Client: National Testing Laboratories, Ltd
Project/Site: 468840/ 2249369

Job ID: 810-121596-1



Laboratory: Eurofins Eaton Analytical South Bend

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Ohio	State	87775	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
331.0		Drinking Water	Perchlorate
335.4	Distill/CN	Drinking Water	Cyanide, Total

Method Summary

Client: National Testing Laboratories, Ltd
Project/Site: 468840/ 2249369

Job ID: 810-121596-1

Method	Method Description	Protocol	Laboratory
331.0	Perchlorate (LC/MS/MS)	EPA	EA SB
335.4	Cyanide, Total	EPA	EA SB
Distill/CN	Distillation, Cyanide	None	EA SB

Protocol References:

EPA = US Environmental Protection Agency

None = None

Laboratory References:

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777



Sample Summary

Client: National Testing Laboratories, Ltd
Project/Site: 468840/ 2249369

Job ID: 810-121596-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-121596-1	468840	Drinking Water	09/23/24 13:42	09/25/24 10:00





Quality Water Analysis

1-800-458-3330

Beverage - Finished Product

Order Number: 2249369

Order Date: 9/5/2024

Sample Number: 468840

Product: FDATABASE GDR & Perchlorate

Paid: No Method: Purchase P.O.: Lincoln, IL
Order

TSR: SBW

Lincoln

IL 62656

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

Client Name: _____

Phone Number: _____

Fax Number: _____

PWS ID# (if applicable): _____

Source Type: Spring Well Municipal
 Other: _____

Source Name: Mahomet Aquifer
(Source information is REQUIRED for All Finished Products)

City & State: _____

Product Collected By: [Signature]
(If Different than Above)
(Signature)

Product Collected By: Eric Reichert
(Please Print)

Brand Name/Product Type: Drinking Water
e.g. XYZ Spring Water or XYZ Distilled Water

Container Size: 5 Gallon

Production Code/Lot Number: 091224 0708 0056

Form Completed By: Eric Reichert

Additional Comments: _____

For Laboratory Use ONLY

Lab Accounting Information:
Payment \$: _____
Check #: _____

Lab Comments/Special Instructions:
Drinking Product
Cn, perchlorate

State Forms: _____

Lab Sample Information:
Date Received: RECEIVED SEP 16 2024
Time Received: _____ : 0927
Received By: AB
Date Opened: SEP 23 2024
Time Opened: 13:42
Opened By: A. Montgomery

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#: _____

Location: _____



October 1, 2024

Christine Macmillan
National Testing Laboratories, LTD
6571 Wilson Mills Road
Cleveland, OH 44143

Project Location: 2249369
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 24I3510

Enclosed are results of analyses for samples as received by the laboratory on September 25, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Karriem G. Marius
Project Manager

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Semivolatile Organic Compounds by - LC/MS-MS	7
B387561	7
Flag/Qualifier Summary	9
Certifications	10
Chain of Custody/Sample Receipt	11

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

National Testing Laboratories, LTD
6571 Wilson Mills Road
Cleveland, OH 44143
ATTN: Christine Macmillan

REPORT DATE: 10/1/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 2413510

The results of analyses performed on the following samples submitted to Con-Test, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 2249369

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
468841	2413510-01	Water		EPA 537.1	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing. I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington". The signature is fluid and cursive, written over a white background.

Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 2249369

Sample Description:

Work Order: 24I3510

Date Received: 9/25/2024

Field Sample #: 468841

Sampled: 9/23/2024 13:45

Sample ID: 24I3510-01

Sample Matrix: Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.74	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.8	0.98	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.89	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.92	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
Perfluorooctanoic acid (PFOA)	ND	1.8	1.1	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.83	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
Perfluorononanoic acid (PFNA)	ND	1.8	0.92	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
Perfluorodecanoic acid (PFDA)	ND	1.8	0.90	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.84	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.89	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.81	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.85	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
Perfluorotridecanoic acid (PFTriDA)	ND	1.8	0.83	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.83	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	1.3	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.71	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.79	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.93	ng/L	1		EPA 537.1	9/30/24	9/30/24 23:40	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	89.4	70-130	9/30/24 23:40
M3HFPO-DA	94.6	70-130	9/30/24 23:40
13C-PFDA	93.2	70-130	9/30/24 23:40
D5-NEtFOSAA	92.9	70-130	9/30/24 23:40

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Sample Extraction Data

Prep Method: EPA 537.1-EPA 537.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24I3510-01 [468841]	B387561	275	1.00	09/30/24

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QUALITY CONTROL
Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B387561 - EPA 537.1											
Blank (B387561-BLK1)											
Prepared & Analyzed: 09/30/24											
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.79	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.9	1.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.95	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.97	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.9	1.1	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.88	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.9	0.97	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.9	0.96	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.89	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.94	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	1.9	0.86	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.90	ng/L							
Perfluorotridecanoic acid (PFTriDA)	ND	1.9	0.88	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.88	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	1.4	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.76	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.84	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.99	ng/L							
Surrogate: 13C-PFHxA	34.3			ng/L	38.57		89.0	70-130			
Surrogate: M3HFPO-DA	35.9			ng/L	38.57		93.1	70-130			
Surrogate: 13C-PFDA	35.8			ng/L	38.57		92.8	70-130			
Surrogate: D5-NEtFOSAA	145			ng/L	154.3		93.7	70-130			
LCS (B387561-BS1)											
Prepared & Analyzed: 09/30/24											
Perfluorobutanesulfonic acid (PFBS)	1.16	1.7	0.71	ng/L	1.536		75.7	50-150			J
Perfluorohexanoic acid (PFHxA)	1.33	1.7	0.93	ng/L	1.731		77.0	50-150			J
Perfluorohexanesulfonic acid (PFHxS)	1.25	1.7	0.85	ng/L	1.582		79.1	50-150			J
Perfluoroheptanoic acid (PFHpA)	1.31	1.7	0.87	ng/L	1.731		75.9	50-150			J
Perfluorooctanoic acid (PFOA)	1.26	1.7	1.0	ng/L	1.731		72.7	50-150			J
Perfluorooctanesulfonic acid (PFOS)	1.26	1.7	0.79	ng/L	1.607		78.2	50-150			J
Perfluorononanoic acid (PFNA)	1.33	1.7	0.87	ng/L	1.731		76.6	50-150			J
Perfluorodecanoic acid (PFDA)	1.34	1.7	0.86	ng/L	1.731		77.6	50-150			J
N-EtFOSAA (NEtFOSAA)	1.24	1.7	0.80	ng/L	1.731		71.8	50-150			J
Perfluoroundecanoic acid (PFUnA)	1.15	1.7	0.85	ng/L	1.731		66.4	50-150			J
N-MeFOSAA (NMeFOSAA)	1.14	1.7	0.77	ng/L	1.731		66.0	50-150			J
Perfluorododecanoic acid (PFDoA)	1.34	1.7	0.81	ng/L	1.731		77.6	50-150			J
Perfluorotridecanoic acid (PFTriDA)	1.20	1.7	0.79	ng/L	1.731		69.4	50-150			J
Perfluorotetradecanoic acid (PFTA)	1.31	1.7	0.79	ng/L	1.731		75.6	50-150			J
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.50	1.7	1.3	ng/L	1.731		86.6	50-150			J
11Cl-PF3OUdS (F53B Major)	1.09	1.7	0.68	ng/L	1.633		66.9	50-150			J
9Cl-PF3ONS (F53B Minor)	1.17	1.7	0.76	ng/L	1.615		72.4	50-150			J
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.21	1.7	0.89	ng/L	1.636		74.1	50-150			J
Surrogate: 13C-PFHxA	30.1			ng/L	34.63		86.9	70-130			
Surrogate: M3HFPO-DA	32.0			ng/L	34.63		92.4	70-130			
Surrogate: 13C-PFDA	31.4			ng/L	34.63		90.8	70-130			
Surrogate: D5-NEtFOSAA	127			ng/L	138.5		91.3	70-130			

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QUALITY CONTROL
Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Reporting		DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	Result	Limit									
Batch B387561 - EPA 537.1											
LCS Dup (B387561-BSD1)											
Prepared & Analyzed: 09/30/24											
Perfluorobutanesulfonic acid (PFBS)	1.27	1.9	0.76	ng/L	1.650		76.7	50-150	8.58	50	J
Perfluorohexanoic acid (PFHxA)	1.42	1.9	1.0	ng/L	1.861		76.5	50-150	6.59	50	J
Perfluorohexanesulfonic acid (PFHxS)	1.37	1.9	0.92	ng/L	1.701		80.8	50-150	9.33	50	J
Perfluoroheptanoic acid (PFHpA)	1.45	1.9	0.94	ng/L	1.861		78.1	50-150	10.0	50	J
Perfluorooctanoic acid (PFOA)	1.46	1.9	1.1	ng/L	1.861		78.2	50-150	14.5	50	J
Perfluorooctanesulfonic acid (PFOS)	1.37	1.9	0.85	ng/L	1.727		79.6	50-150	8.97	50	J
Perfluorononanoic acid (PFNA)	1.44	1.9	0.94	ng/L	1.861		77.2	50-150	8.05	50	J
Perfluorodecanoic acid (PFDA)	1.47	1.9	0.92	ng/L	1.861		78.8	50-150	8.78	50	J
N-EtFOSAA (NEtFOSAA)	1.35	1.9	0.86	ng/L	1.861		72.3	50-150	7.91	50	J
Perfluoroundecanoic acid (PFUnA)	1.54	1.9	0.91	ng/L	1.861		82.5	50-150	28.8	50	J
N-MeFOSAA (NMeFOSAA)	1.41	1.9	0.83	ng/L	1.861		76.0	50-150	21.2	50	J
Perfluorododecanoic acid (PFDoA)	1.51	1.9	0.87	ng/L	1.861		81.3	50-150	11.8	50	J
Perfluorotridecanoic acid (PFTrDA)	1.40	1.9	0.85	ng/L	1.861		75.2	50-150	15.3	50	J
Perfluorotetradecanoic acid (PFTA)	1.38	1.9	0.85	ng/L	1.861		74.1	50-150	5.24	50	J
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.22	1.9		ng/L	1.861		65.5	50-150	20.7	50	J
11Cl-PF3OUdS (F53B Major)	1.28	1.9	0.73	ng/L	1.755		73.2	50-150	16.1	50	J
9Cl-PF3ONS (F53B Minor)	1.30	1.9	0.81	ng/L	1.736		74.6	50-150	10.2	50	J
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.29	1.9	0.96	ng/L	1.758		73.6	50-150	6.42	50	J
Surrogate: 13C-PFHxA	29.4			ng/L	37.21		79.0	70-130			
Surrogate: M3HFPO-DA	31.2			ng/L	37.21		83.9	70-130			
Surrogate: 13C-PFDA	31.2			ng/L	37.21		83.9	70-130			
Surrogate: D5-NEtFOSAA	123			ng/L	148.9		82.6	70-130			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
EPA 537.1 in Drinking Water	
Perfluorobutanesulfonic acid (PFBS)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH, VA
Perfluorohexanoic acid (PFHxA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorohexanesulfonic acid (PFHxS)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH, VA
Perfluoroheptanoic acid (PFHpA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorooctanoic acid (PFOA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH, VA
Perfluorooctanesulfonic acid (PFOS)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH, VA
Perfluorononanoic acid (PFNA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH, VA
Perfluorodecanoic acid (PFDA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
N-EtFOSAA (NEtFOSAA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluoroundecanoic acid (PFUnA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
N-MeFOSAA (NMeFOSAA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorododecanoic acid (PFDoA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorotridecanoic acid (PFTrDA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorotetradecanoic acid (PFTA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH, VA
11Cl-PF3OUdS (F53B Major)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
9Cl-PF3ONS (F53B Minor)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2025
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2025
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2025
MI	Dept. of Env, Great Lakes, and Energy	9100	06/30/2025
OH	Ohio Environmental Protection Agency	87781	04/1/2025



1-800-458-3330

Beverage - Finished Product

Order Number: 2249369
Order Date: 9/5/2024
Sample Number:
Product: PFAS 18

468841

Paid: No Method: Purchase Order P.O.: Lincoln, IL

TSR: SBW

Lincoln IL 62656

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

Client Name: _____

Phone Number: _____

Fax Number: _____

PWS ID# (if applicable): _____

Source Type: Spring Well Municipal
 Other: _____

Source Name: Mahomet Aquifer
(Source Information is REQUIRED for All Finished Products)

City & State: _____
(If Different than Above)

Product Collected By: [Signature]
(Signature)

Product Collected By: Eric Reichert
(Please Print)

Brand Name/Product Type: Drinking Water
e.g. XYZ Spring Water or XYZ Distilled Water

Container Size: 5 Gallon

Production Code/Lot Number: 091224 0708 0056

Form Completed By: Eric Reichert

Additional Comments: _____

For Laboratory Use ONLY

Lab Accounting Information:
Payment \$: _____
Check #: _____

Lab Comments/Special Instructions:
Drinking Product

State Forms: _____

Lab Sample Information:
Date Received: RECEIVED SEP 16 2024
Time Received: :0927
Received By: AB
Date Opened: SEP 23 2024
Time Opened: 11:42
Opened By: A. Montgomery

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#: _____

Location: _____

