

**National Testing Laboratories, Ltd**

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

**ANALYTICAL REPORTS**

**SAMPLE CODE: 473533**

**1/27/2025**

**Customer:** Crystal Clear Water - IA  
 Ryan Heiken  
 3717 Delaware Avenue  
 Des Moines, IA 50313

**Source:** DMWW  
**Source Type:** Municipal Water  
**Brand Name:** Distilled Water  
**Production Code:** 243390928  
**Container Size:** 1 Gallon

**Date/Time Received:** 12/10/2024 09:33

**Collected by:** H. Thorn

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

**Legend:**

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

**"ND"** This contaminant was not detected at or above our lower reporting limit (LRL)

**"NA"** Not Analyzed

**"Standard"** This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

**"LRL"** This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

**"DF"** This column indicates the contaminant dilution factor.

**Report Notes:**

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

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Inorganic Analytes - Metals</b>										
1002	Aluminum	200.7	0.2	mg/L	0.05	ND	1	12/30/2024 12:00		1/16/2025
1074	Antimony	200.8	0.006	mg/L	0.003	ND	1	12/30/2024 12:00		1/12/2025
1005	Arsenic	200.8	0.010	mg/L	0.002	ND	1	12/30/2024 12:00		1/12/2025
1010	Barium	200.7	2	mg/L	0.10	ND	1	12/30/2024 12:00		1/16/2025
1075	Beryllium	200.7	0.004	mg/L	0.001	ND	1	12/30/2024 12:00		1/16/2025
1079	Boron	200.7	--	mg/L	0.10	ND	1	12/30/2024 12:00		1/16/2025
1015	Cadmium	200.7	0.005	mg/L	0.001	ND	1	12/30/2024 12:00		1/16/2025
1016	Calcium	200.7	--	mg/L	2.0	ND	1	12/30/2024 12:00		1/16/2025
1020	Chromium	200.7	0.100	mg/L	0.007	ND	1	12/30/2024 12:00		1/16/2025
1022	Copper	200.7	1.0	mg/L	0.002	ND	1	12/30/2024 12:00		1/16/2025
1028	Iron	200.7	0.3	mg/L	0.020	ND	1	12/30/2024 12:00		1/16/2025
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	12/30/2024 12:00		1/12/2025
1031	Magnesium	200.7	--	mg/L	0.10	ND	1	12/30/2024 12:00		1/16/2025
1032	Manganese	200.7	0.05	mg/L	0.004	ND	1	12/30/2024 12:00		1/16/2025
1035	Mercury	200.8	0.002	mg/L	0.0002	ND	1	12/30/2024 12:00		1/12/2025
1036	Nickel	200.7	--	mg/L	0.005	ND	1	12/30/2024 12:00		1/16/2025
1042	Potassium	200.7	--	mg/L	1.0	ND	1	12/30/2024 12:00		1/16/2025
1045	Selenium	200.8	0.05	mg/L	0.002	ND	1	12/30/2024 12:00		1/12/2025
1049	Silica	200.7	--	mg/L	0.05	ND	1	12/30/2024 12:00		1/16/2025

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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	12/30/2024 12:00		1/16/2025
1052	Sodium	200.7	--	mg/L	1	ND	1	12/30/2024 12:00		1/16/2025
1085	Thallium	200.8	0.002	mg/L	0.001	ND	1	12/30/2024 12:00		1/12/2025
4006	Uranium	200.8	0.030	mg/L	0.001	ND	1	12/30/2024 12:00		1/12/2025
1095	Zinc	200.7	5.000	mg/L	0.004	ND	1	12/30/2024 12:00		1/16/2025
<b>Physical Factors</b>										
1927	Alkalinity (Total as CaCO3)	2320B	--	mg/L	20	ND	1	12/30/2024 12:00		1/6/2025
1905	Apparent Color	2120B	15	CU	3	ND	1	12/30/2024 12:00		12/30/2024 15:20
1910	Corrosivity	2330B	--	SI		-5.50 R2	1	12/30/2024 12:00		1/16/2025
2905	Foaming Agents	5540C	0.5	mg/L	0.1	ND	1	12/30/2024 12:00		12/30/2024 15:15
MBAS, calculated as Linear Alkylate Sulfonate (LAS), mol wt of 342.4 g/mole										
1915	Hardness	2340B	--	mg/L	5.0	ND	1	12/30/2024 12:00		1/16/2025
1920	Odor Temperature	2150B	--	Deg, C		21	1	12/30/2024 12:00		12/30/2024 14:35
1920	Odor Threshold	2150B	3	ton	1	ND	1	12/30/2024 12:00		12/30/2024 14:35
1925	pH	150.1	5-7	pH Units		5.6	1	12/30/2024 12:00		12/30/2024 14:35
4254	pH Temperature	150.1	--	Deg, C		21	1	12/30/2024 12:00		12/30/2024 14:35
1930	Total Dissolved Solids	2540C	500	mg/L	5	ND	1	12/30/2024 12:00		1/2/2025
0100	Turbidity	2130B	1	NTU	0.1	ND	1	12/30/2024 12:00		12/30/2024 14:50
<b>Inorganic Analytes - Other</b>										
1011	Bromate	300.1	0.010	mg/L	0.005	ND	1	12/30/2024 12:00		12/31/2024
1004	Bromide	300.1	--	mg/L	0.005	ND	1	12/30/2024 12:00		12/31/2024
1006	Chloramine as Cl2	4500Cl-G	4.0	mg/L	0.05	ND	1	12/30/2024 12:00		12/30/2024 15:49
1017	Chloride	300.0	250	mg/L	1.0	ND	1	12/30/2024 12:00		12/31/2024 12:09
1012	Chlorine as Cl2	4500Cl-G	4.0	mg/L	0.05	ND	1	12/30/2024 12:00		12/30/2024 15:46
1008	Chlorine Dioxide as ClO2	4500ClO2D	0.8	mg/L	0.1	ND	1	12/30/2024 12:00		12/30/2024 16:00
1009	Chlorite	300.1	1.0	mg/L	0.005	ND	1	12/30/2024 12:00		12/31/2024
1025	Fluoride	300.0	4.0	mg/L	0.10	ND	1	12/30/2024 12:00		12/31/2024 12:09
1040	Nitrate as N	300.0	10	mg/L	0.05	ND	1	12/30/2024 12:00		12/31/2024 12:09
1041	Nitrite as N	300.0	1	mg/L	0.05	ND	1	12/30/2024 12:00		12/31/2024 12:09
1044	Ortho Phosphate	300.0	--	mg/L	2.0	ND	1	12/30/2024 12:00		12/31/2024 12:09
1055	Sulfate	300.0	250	mg/L	5.0	ND	1	12/30/2024 12:00		12/31/2024 12:09
<b>Organic Analytes - Trihalomethanes</b>										
2943	Bromodichloromethane	524.2 THMs	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2942	Bromoform	524.2 THMs	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2941	Chloroform	524.2 THMs	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2944	Dibromochloromethane	524.2 THMs	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2950	Total THMs	524.2 THMs	0.080	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
<b>Organic Analytes - Haloacetic Acids</b>										

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2454	Dibromoacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	12/30/2024 12:00	1/2/2025	1/6/2025
2451	Dichloroacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	12/30/2024 12:00	1/2/2025	1/6/2025
2453	Monobromoacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	12/30/2024 12:00	1/2/2025	1/6/2025
2450	Monochloroacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	12/30/2024 12:00	1/2/2025	1/6/2025
2452	Trichloroacetic Acid	552.2 HAAs --		ug/L	1.0	ND	1	12/30/2024 12:00	1/2/2025	1/6/2025
2456	Total HAAs	552.2 HAAs 60		ug/L	1.0	ND	1	12/30/2024 12:00	1/2/2025	1/6/2025
<b>Organic Analytes - Volatiles</b>										
2986	1,1,1,2-Tetrachloroethane	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2981	1,1,1-Trichloroethane	524.2	0.2	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2988	1,1,2,2-Tetrachloroethane	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2985	1,1,2-Trichloroethane	524.2	0.005	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2978	1,1-Dichloroethane	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2977	1,1-Dichloroethene	524.2	0.007	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2410	1,1-Dichloropropene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2420	1,2,3-Trichlorobenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2414	1,2,3-Trichloropropane	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2378	1,2,4-Trichlorobenzene	524.2	0.07	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2418	1,2,4-Trimethylbenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2968	1,2-Dichlorobenzene	524.2	0.6	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2980	1,2-Dichloroethane	524.2	0.005	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2983	1,2-Dichloropropane	524.2	0.005	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2424	1,3,5-Trimethylbenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2967	1,3-Dichlorobenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2412	1,3-Dichloropropane	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2969	1,4-Dichlorobenzene	524.2	0.075	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2416	2,2-Dichloropropane	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2965	2-Chlorotoluene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2966	4-Chlorotoluene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2030	4-Isopropyltoluene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2990	Benzene	524.2	0.005	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2993	Bromobenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2430	Bromochloromethane	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2214	Bromomethane	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2982	Carbon Tetrachloride	524.2	0.005	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2989	Chlorobenzene	524.2	0.1	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2216	Chloroethane	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2210	Chloromethane	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2380	cis-1,2-Dichloroethene	524.2	0.07	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2228	cis-1,3-Dichloropropene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2408	Dibromomethane	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025

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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	12/30/2024 12:00		1/6/2025
2964	Dichloromethane	524.2	0.005	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2992	Ethylbenzene	524.2	0.7	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2246	Hexachlorobutadiene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2994	Isopropylbenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2251	Methyl Tert Butyl Ether	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2247	Methyl-Ethyl Ketone	524.2	--	mg/L	0.005	ND	R2 1	12/30/2024 12:00		1/6/2025
2248	Naphthalene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2422	n-Butylbenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2997	o-Xylene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2963	p and m-Xylenes	524.2	--	mg/L	0.0010	ND	1	12/30/2024 12:00		1/6/2025
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	12/30/2024 12:00		1/6/2025
2428	sec-Butylbenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2996	Styrene	524.2	0.1	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2426	tert-Butylbenzene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2967	Tetrachloroethene	524.2	0.005	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2991	Toluene	524.2	1	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2979	trans-1,2-Dichloroethene	524.2	0.1	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2224	trans-1,3-Dichloropropene	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2984	Trichloroethene	524.2	0.005	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2218	Trichlorofluoromethane	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2904	Trichlorotrifluoroethane	524.2	--	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2976	Vinyl Chloride	524.2	0.002	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
2955	Xylenes (Total)	524.2	10	mg/L	0.0005	ND	1	12/30/2024 12:00		1/6/2025
<b>Organic Analytes - Others</b>										
2414	1,2,3-Trichloropropane	504.1	0.00003	mg/L	0.00001	ND	1	12/30/2024 12:00	1/8/2025	1/8/2025
2931	1,2-Dibromo-3-chloropropane	504.1	0.0002	mg/L	0.00001	ND	1	12/30/2024 12:00	1/8/2025	1/8/2025
2946	1,2-Dibromoethane	504.1	0.00005	mg/L	0.00001	ND	1	12/30/2024 12:00	1/8/2025	1/8/2025
2105	2,4-D	515.4	70	ug/L	0.1	ND	1	12/30/2024 12:00	12/31/2024	1/3/2025
2066	3-Hydroxycarbofuran	531.2	--	ug/L	1.0	ND	1	12/30/2024 12:00		1/8/2025
2051	Alachlor	525.2	2	ug/L	0.2	ND	1	12/30/2024 12:00	12/31/2024	1/17/2025
2047	Aldicarb	531.2	7	ug/L	1.0	ND	1	12/30/2024 12:00		1/8/2025
2044	Aldicarb sulfone	531.2	7	ug/L	1.0	ND	1	12/30/2024 12:00		1/8/2025
2043	Aldicarb sulfoxide	531.2	7	ug/L	1.0	ND	1	12/30/2024 12:00		1/8/2025
2356	Aldrin	505	--	mg/L	0.00007	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2050	Atrazine	525.2	3	ug/L	0.1	ND	1	12/30/2024 12:00	12/31/2024	1/17/2025
2625	Bentazon	515.4	--	ug/L	1	ND	1	12/30/2024 12:00	12/31/2024	1/3/2025
2306	Benzo(A)pyrene	525.2	0.2	ug/L	0.02	ND	1	12/30/2024 12:00	12/31/2024	1/17/2025
2076	Butachlor	525.2	--	ug/L	0.2	ND	1	12/30/2024 12:00	12/31/2024	1/17/2025
2021	Carbaryl	531.2	--	ug/L	1.0	ND	1	12/30/2024 12:00		1/8/2025

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2046	Carbofuran	531.2	40	ug/L	1.0	ND	1	12/30/2024 12:00		1/8/2025
2959	Chlordane	505	0.002	mg/L	0.0001	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2031	Dalapon	515.4	200	ug/L	1	ND	1	12/30/2024 12:00	12/31/2024	1/3/2025
2035	Di(2-ethylhexyl) adipate	525.2	400	ug/L	0.2	ND	1	12/30/2024 12:00	12/31/2024	1/17/2025
2039	Di(2-ethylhexyl) phthalate	525.2	6	ug/L	0.6	ND	1	12/30/2024 12:00	12/31/2024	1/17/2025
2440	Dicamba	515.4	--	ug/L	1	ND	1	12/30/2024 12:00	12/31/2024	1/3/2025
2933	Dichloran	505	--	mg/L	0.001	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2070	Dieldrin	505	--	mg/L	0.00002	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2041	Dinoseb	515.4	7	ug/L	0.2	ND	1	12/30/2024 12:00	12/31/2024	1/3/2025
2032	Diquat	549.2	20	ug/L	0.4	ND	1	12/30/2024 12:00	1/3/2025	1/22/2025
2033	Endothall	548.1	100	ug/L	9	ND	1	12/30/2024 12:00	1/6/2025	1/15/2025
2005	Endrin	505	0.002	mg/L	0.00001	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2034	Glyphosate	547	700	ug/L	6	ND	1	12/30/2024 12:00		1/2/2025
2065	Heptachlor	505	0.0004	mg/L	0.00001	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2067	Heptachlor Epoxide	505	0.0002	mg/L	0.00001	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2274	Hexachlorobenzene	505	0.001	mg/L	0.0001	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2042	Hexachlorocyclopentadiene	505	0.05	mg/L	0.0001	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2010	Lindane	505	0.0002	mg/L	0.00002	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2022	Methomyl	531.2	--	ug/L	1.0	ND	1	12/30/2024 12:00		1/8/2025
2015	Methoxychlor	505	0.04	mg/L	0.0001	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2045	Metolachlor	525.2	--	ug/L	0.2	ND	1	12/30/2024 12:00	12/31/2024	1/17/2025
2595	Metribuzin	525.2	--	ug/L	0.2	ND	1	12/30/2024 12:00	12/31/2024	1/17/2025
2626	Molinate	525.2	--	ug/L	0.2	ND	1	12/30/2024 12:00	12/31/2024	1/17/2025
2036	Oxamyl	531.2	200	ug/L	1.0	ND	1	12/30/2024 12:00		1/8/2025
2934	Pentachloronitrobenzene	505	--	mg/L	0.0001	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2326	Pentachlorophenol	515.4	1	ug/L	0.04	ND	1	12/30/2024 12:00	12/31/2024	1/3/2025
2040	Picloram	515.4	500	ug/L	0.1	ND	1	12/30/2024 12:00	12/31/2024	1/3/2025
2077	Propachlor	525.2	--	ug/L	0.2	ND	1	12/30/2024 12:00	12/31/2024	1/17/2025
2110	Silvex 2,4,5-TP	515.4	50	ug/L	0.2	ND	1	12/30/2024 12:00	12/31/2024	1/3/2025
2037	Simazine	525.2	4	ug/L	0.07	ND	1	12/30/2024 12:00	12/31/2024	1/17/2025
2627	Thiobencarb	525.2	--	ug/L	0.2	ND	1	12/30/2024 12:00	12/31/2024	1/17/2025
2383	Total PCBs	505	0.0005	mg/L	0.0005	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2910	Total Phenols	420.4	--	mg/L	0.001	ND	R2 1	12/30/2024 12:00		12/31/2024
2020	Toxaphene	505	0.003	mg/L	0.001	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025
2055	Trifluralin	505	--	mg/L	0.001	ND	1	12/30/2024 12:00	1/6/2025	1/6/2025

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: 473534**

**1/27/2025**

**Customer:** Crystal Clear Water - IA  
 Ryan Heiken  
 3717 Delaware Avenue  
 Des Moines, IA 50313

**Source:** DMWW  
**Source Type:** Municipal Water  
**Brand Name:** Distilled Water  
**Production Code:** 243390928  
**Container Size:** 1 Gallon

**Date/Time Received:** 12/10/2024 09:33

**Collected by:** H. Thorn

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

**Legend:**

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

**"ND"** This contaminant was not detected at or above our lower reporting limit (LRL)

**"NA"** Not Analyzed

**"Standard"** This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

**"LRL"** This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

**"DF"** This column indicates the contaminant dilution factor.

**Report Notes:**

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Microbiologicals</b>										
3100	Total Coliform by P/A	9223B	--	P/A	--	--	1	12/30/2024 12:00		12/30/2024 17:00
Total Coliform and E.coli were ABSENT in this sample.										
<b>USP XXIII</b>										
1003	Ammonia (as NH3)	USP XXIII	--	Pass/Fail		Pass	R2 1	12/30/2024 12:00		1/2/2025
1016	Calcium	USP XXIII	--	Pass/Fail		Pass	R2 1	12/30/2024 12:00		1/2/2025
1901	Carbon Dioxide (Free CO2)	USP XXIII	--	Pass/Fail		Pass	R2 1	12/30/2024 12:00		1/2/2025
1017	Chloride	USP XXIII	--	Pass/Fail		Pass	R2 1	12/30/2024 12:00		1/2/2025
	Heavy Metals (USP)	USP XXIII	--	Pass/Fail		Pass	R2 1	12/30/2024 12:00		1/2/2025
	Oxidizables (USP)	USP XXIII	--	Pass/Fail		Pass	R2 1	12/30/2024 12:00		1/2/2025
1925	pH	USP XXIII	--	pH Units		5.6	R2 1	12/30/2024 12:00		12/30/2024 14:35
1055	Sulfate	USP XXIII	--	Pass/Fail		Pass	R2 1	12/30/2024 12:00		1/2/2025
	Total Solids	USP XXIII	10	mg/L	10	ND	R2 1	12/30/2024 12:00		1/4/2025

**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: 473532**

**1/27/2025**

**Customer:** Crystal Clear Water - IA  
 Ryan Heiken  
 3717 Delaware Avenue  
 Des Moines, IA 50313

**Source:** DMWW  
**Source Type:** Municipal Water  
**Brand Name:** Distilled Water  
**Production Code:** 243390928  
**Container Size:** 1 Gallon

**Date/Time Received:** 12/10/2024 09:33

**Collected by:** H. Thorn

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

**Legend:**

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

**"ND"** This contaminant was not detected at or above our lower reporting limit (LRL)

**"NA"** Not Analyzed

**"Standard"** This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

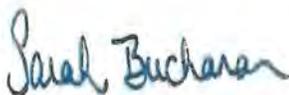
**"LRL"** This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

**"DF"** This column indicates the contaminant dilution factor.

**Report Notes:**

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Microbiologicals</b>										
3114	E. Coli	9223B	1	MPN/100 mL	1	ND	1	12/30/2024 12:00		12/31/2024 12:10
3001	Standard Plate Count	9215B	500	CFU/ml	1	<1	1	12/30/2024 12:00		12/31/2024 11:50
Pour Plate Method, 35°C/48hr, Plate Count Agar										
3000	Total Coliform	9223B	1	MPN/100 mL	1	ND	1	12/30/2024 12:00		12/31/2024 12:10

Analyst	Tests
GK	9223B,9215B



Sarah Buchanan, Project Manager

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

Project Location: 2252769

Sample Description:

Work Order: 25A0120

Date Received: 1/3/2025

Field Sample #: 473535

Sampled: 12/30/2024 12:00

Sample ID: 25A0120-01

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL		DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
				MA	ORSG						
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.73		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
Perfluorohexanoic acid (PFHxA)	ND	1.8	0.97		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.88		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.91		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
Perfluorooctanoic acid (PFOA)	ND	1.8	1.0		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.82		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
Perfluorononanoic acid (PFNA)	ND	1.8	0.91		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
Perfluorodecanoic acid (PFDA)	ND	1.8	0.89		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.83		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.88		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.80		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.84		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.82		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.82		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	1.3		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.70		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.79		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.92		ng/L	1		EPA 537.1	1/7/25	1/8/25 18:58	ZGS

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	105	70-130	1/8/25 18:58
M3HFPO-DA	114	70-130	1/8/25 18:58
13C-PFDA	104	70-130	1/8/25 18:58
D5-NEtFOSAA	123	70-130	1/8/25 18:58