National Testing Laboratories, Ltd.
Quality Water Analysis

Corporate Headquarters
6571 Wilson Mills Road
Cleveland, Ohio 44143

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This report package contains 44 pages

This package contains reports from the following laboratories:

- National Testing Laboratories, Ltd. (7 pages)
- Pace Analytical Services, Inc.- Minneapolis, MN (8 pages)
- Pace Analytical Services, Inc.-Greensburg, PA (1 page)
- EMSL Analytical, Inc. (1 page)
- Eurofins Eaton Analytical, Inc. (3 pages)
- Alpha Analytical (23 pages)

If you have any questions, please contact Susan Henderson at 1-800-458-3330.

Laboratory ID: CT:PH-0745,
ME:MI00044

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

ANALYTICAL REPORTS

SAMPLE CODE: 413421

12/30/2020

Customer: Summit Spring Water Inc
N. Bryan Pullen
PO Box 480
Harrison, ME 04040

Source: Summit Spring

Date/Time Received: 12/2/2020 10:10

Collected by: N.B. Pullen

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.

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled		Date Prepped	Date/Time Analyzed
Inorganic Analytes - Metals											
1002	Aluminum	200.7	0.2	mg/L	0.05	ND	1	12/1/2020	13:15		12/15/2020
1074	Antimony	200.8	0.006	mg/L	0.003	ND	1	12/1/2020	13:15		12/15/2020
1005	Arsenic	200.8	0.010	mg/L	0.002	ND	1	12/1/2020	13:15		12/15/2020
1010	Barium	200.7	2	mg/L	0.10	ND	1	12/1/2020	13:15		12/15/2020
1075	Beryllium	200.7	0.004	mg/L	0.001	ND	1	12/1/2020	13:15		12/15/2020
1079	Boron	200.7	--	mg/L	0.10	ND	1	12/1/2020	13:15		12/15/2020
1015	Cadmium	200.7	0.005	mg/L	0.001	ND	1	12/1/2020	13:15		12/15/2020
1016	Calcium	200.7	--	mg/L	2.0	8.7	1	12/1/2020	13:15		12/15/2020
1020	Chromium	200.7	0.100	mg/L	0.007	ND	1	12/1/2020	13:15		12/15/2020
1022	Copper	200.7	1.0	mg/L	0.002	ND	1	12/1/2020	13:15		12/15/2020
1028	Iron	200.7	0.3	mg/L	0.020	ND	1	12/1/2020	13:15		12/15/2020
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	12/1/2020	13:15		12/15/2020
1031	Magnesium	200.7	--	mg/L	0.10	1.60	1	12/1/2020	13:15		12/15/2020
1032	Manganese	200.7	0.05	mg/L	0.004	ND	1	12/1/2020	13:15		12/15/2020
1035	Mercury	200.8	0.002	mg/L	0.0002	ND	1	12/1/2020	13:15		12/15/2020
1036	Nickel	200.7	--	mg/L	0.005	ND	1	12/1/2020	13:15		12/15/2020
1042	Potassium	200.7	--	mg/L	1.0	ND	1	12/1/2020	13:15		12/15/2020
1045	Selenium	200.8	0.05	mg/L	0.002	ND	1	12/1/2020	13:15		12/15/2020
1049	Silica	200.7	--	mg/L	0.05	19.00	1	12/1/2020	13:15		12/15/2020

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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	12/1/2020	13:15		12/15/2020	
1052	Sodium	200.7	--	mg/L	1	11		1	12/1/2020	13:15		12/15/2020	
1085	Thallium	200.8	0.002	mg/L	0.001	ND		1	12/1/2020	13:15		12/15/2020	
4009	Uranium	200.8	0.030	mg/L	0.001	ND		1	12/1/2020	13:15		12/15/2020	
1095	Zinc	200.7	5.000	mg/L	0.004	ND		1	12/1/2020	13:15		12/15/2020	
	Physical Factors												
1927	Alkalinity (Total as CaCO3)	2320B	--	mg/L	20	26		1	12/1/2020	13:15		12/14/2020	
1905	Apparent Color	2120B	15	CU	3	ND		1	12/1/2020	13:15		12/2/2020	17:35
1928	Bicarbonate (as CaCO3)	2320B	--	mg/L	20	26		1	12/1/2020	13:15		12/14/2020	
1929	Carbonate (as CaCO3)	2320B	--	mg/L	20	ND		1	12/1/2020	13:15		12/14/2020	
1910	Corrosivity	2330B	--	SI		-2.70	R2	1	12/1/2020	13:15		12/15/2020	
2905	Foaming Agents	5540C	0.5	mg/L	0.1	ND		1	12/1/2020	13:15		12/2/2020	14:40
	MBAS, calculated as Linear Alkylate Sulfonate (LAS), mol wt of 342.4 g/mole												
1915	Hardness (as CaCO3)	2340C	--	mg/L	10	22		1	12/1/2020	13:15		12/18/2020	
1021	Hydroxide (as CaCO3)	2320B	--	mg/L	20	ND		1	12/1/2020	13:15		12/14/2020	
1920	Odor Threshold	2150B	3	ton	1	ND		1	12/1/2020	13:15		12/2/2020	13:05
1925	pH	150.1	6.5-8.5	pH Units		6.3*		1	12/1/2020	13:15		12/2/2020	13:50
4254	pH Temperature	150.1	--	Deg. C		22		1	12/1/2020	13:15		12/2/2020	13:50
1064	Specific Cond. @ 25 deg. C	2510B	--	umhos/cm	1	130		1	12/1/2020	13:15		12/15/2020	
1930	Total Dissolved Solids	2540C	500	mg/L	5	82		1	12/1/2020	13:15		12/5/2020	
0100	Turbidity	2130B	1	NTU	0.1	ND	R2	1	12/1/2020	13:15		12/2/2020	14:10
	Inorganic Analytes - Other												
1004	Bromide	300.1	--	mg/L	0.005	0.010		1	12/1/2020	13:15		12/9/2020	
1017	Chloride	300.0	250	mg/L	1.0	20.0		1	12/1/2020	13:15		12/3/2020	10:33
1025	Fluoride	300.0	4.0	mg/L	0.10	ND		1	12/1/2020	13:15		12/3/2020	10:33
1040	Nitrate as N	300.0	10	mg/L	0.05	0.37		1	12/1/2020	13:15		12/3/2020	10:33
1041	Nitrite as N	300.0	1	mg/L	0.05	ND		1	12/1/2020	13:15		12/3/2020	10:33
1044	Ortho Phosphate	300.0	--	mg/L	2.0	ND		1	12/1/2020	13:15		12/3/2020	10:33
1055	Sulfate	300.0	250	mg/L	5.0	ND		1	12/1/2020	13:15		12/3/2020	10:33
	Organic Analytes - Trihalomethanes												
2943	Bromodichloromethane	524.2 THMs	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020	
2942	Bromoform	524.2 THMs	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020	
2941	Chloroform	524.2 THMs	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020	
2944	Dibromochloromethane	524.2 THMs	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020	
2950	Total THMs	524.2 THMs	0.080	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020	
	Organic Analytes - Volatiles												
2986	1,1,1,2-Tetrachloroethane	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020	
2981	1,1,1-Trichloroethane	524.2	0.2	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020	

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2988	1,1,2,2-Tetrachloroethane	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2985	1,1,2-Trichloroethane	524.2	0.005	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2978	1,1-Dichloroethane	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2977	1,1-Dichloroethene	524.2	0.007	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2410	1,1-Dichloropropene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2420	1,2,3-Trichlorobenzene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2414	1,2,3-Trichloropropane	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2378	1,2,4-Trichlorobenzene	524.2	0.07	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2418	1,2,4-Trimethylbenzene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2968	1,2-Dichlorobenzene	524.2	0.6	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2980	1,2-Dichloroethane	524.2	0.005	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2983	1,2-Dichloropropane	524.2	0.005	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2424	1,3,5-Trimethylbenzene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2967	1,3-Dichlorobenzene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2412	1,3-Dichloropropane	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2969	1,4-Dichlorobenzene	524.2	0.075	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2416	2,2-Dichloropropane	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2965	2-Chlorotoluene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2966	4-Chlorotoluene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2030	4-Isopropyltoluene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2990	Benzene	524.2	0.005	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2993	Bromobenzene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2430	Bromochloromethane	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2214	Bromomethane	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2982	Carbon Tetrachloride	524.2	0.005	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2989	Chlorobenzene	524.2	0.1	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2216	Chloroethane	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2210	Chloromethane	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2380	cis-1,2-Dichloroethene	524.2	0.07	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2228	cis-1,3-Dichloropropene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2408	Dibromomethane	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2212	Dichlorodifluoromethane	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2964	Dichloromethane	524.2	0.005	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2992	Ethylbenzene	524.2	0.7	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2246	Hexachlorobutadiene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2994	Isopropylbenzene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2251	Methyl Tert Butyl Ether	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2247	Methyl-Ethyl Ketone	524.2	--	mg/L	0.005	ND	R2	1	12/1/2020	13:15		12/7/2020
2248	Naphthalene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2422	n-Butylbenzene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020
2997	o-Xylene	524.2	--	mg/L	0.0005	ND		1	12/1/2020	13:15		12/7/2020

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12/30/2020

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled		Date Prepped	Date/Time Analyzed
2963	p and m-Xylenes	524.2	--	mg/L	0.0010	ND	1	12/1/2020	13:15		12/7/2020
	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	12/1/2020	13:15		12/7/2020
2428	sec-Butylbenzene	524.2	--	mg/L	0.0005	ND	1	12/1/2020	13:15		12/7/2020
2996	Styrene	524.2	0.1	mg/L	0.0005	ND	1	12/1/2020	13:15		12/7/2020
2426	tert-Butylbenzene	524.2	--	mg/L	0.0005	ND	1	12/1/2020	13:15		12/7/2020
2987	Tetrachloroethene	524.2	0.005	mg/L	0.0005	ND	1	12/1/2020	13:15		12/7/2020
2991	Toluene	524.2	1	mg/L	0.0005	ND	1	12/1/2020	13:15		12/7/2020
2979	trans-1,2-Dichloroethene	524.2	0.1	mg/L	0.0005	ND	1	12/1/2020	13:15		12/7/2020
2224	trans-1,3-Dichloropropene	524.2	--	mg/L	0.0005	ND	1	12/1/2020	13:15		12/7/2020
2984	Trichloroethene	524.2	0.005	mg/L	0.0005	ND	1	12/1/2020	13:15		12/7/2020
2218	Trichlorofluoromethane	524.2	--	mg/L	0.0005	ND	1	12/1/2020	13:15		12/7/2020
2904	Trichlorotrifluoroethane	524.2	--	mg/L	0.0005	ND	1	12/1/2020	13:15		12/7/2020
2976	Vinyl Chloride	524.2	0.002	mg/L	0.0005	ND	1	12/1/2020	13:15		12/7/2020
2955	Xylenes (Total)	524.2	10	mg/L	0.0005	ND	1	12/1/2020	13:15		12/7/2020
	Organic Analytes - Others										
2931	1,2-Dibromo-3-chloropropane	504.1	0.0002	mg/L	0.00001	ND	1	12/1/2020	13:15	12/9/2020	12/9/2020
2946	1,2-Dibromoethane	504.1	0.00005	mg/L	0.00001	ND	1	12/1/2020	13:15	12/9/2020	12/9/2020
2105	2,4-D	515.4	70	ug/L	0.1	ND	1	12/1/2020	13:15	12/8/2020	12/17/2020
2066	3-Hydroxycarbofuran	531.2	--	ug/L	1.0	ND	1	12/1/2020	13:15		12/9/2020
2051	Alachlor	525.2	2	ug/L	0.2	ND	1	12/1/2020	13:15	12/10/2020	12/26/2020
2047	Aldicarb	531.2	7	ug/L	1.0	ND	1	12/1/2020	13:15		12/9/2020
2044	Aldicarb sulfone	531.2	7	ug/L	1.0	ND	1	12/1/2020	13:15		12/9/2020
2043	Aldicarb sulfoxide	531.2	7	ug/L	1.0	ND	1	12/1/2020	13:15		12/9/2020
2356	Aldrin	505	--	mg/L	0.00007	ND	1	12/1/2020	13:15	12/7/2020	12/7/2020
2050	Atrazine	525.2	3	ug/L	0.1	ND	1	12/1/2020	13:15	12/10/2020	12/26/2020
2625	Bentazon	515.4	--	ug/L	1	ND	1	12/1/2020	13:15	12/8/2020	12/17/2020
2306	Benzo(A)pyrene	525.2	0.2	ug/L	0.1	ND	1	12/1/2020	13:15	12/10/2020	12/26/2020
2076	Butachlor	525.2	--	ug/L	0.2	ND	1	12/1/2020	13:15	12/10/2020	12/26/2020
2021	Carbaryl	531.2	--	ug/L	1.0	ND	1	12/1/2020	13:15		12/9/2020
2046	Carbofuran	531.2	40	ug/L	1.0	ND	1	12/1/2020	13:15		12/9/2020
2959	Chlordane	505	0.002	mg/L	0.0001	ND	1	12/1/2020	13:15	12/7/2020	12/7/2020
2031	Dalapon	515.4	200	ug/L	1	ND	1	12/1/2020	13:15	12/8/2020	12/17/2020
2035	Di(2-ethylhexyl) adipate	525.2	400	ug/L	0.2	ND	1	12/1/2020	13:15	12/10/2020	12/26/2020
2039	Di(2-ethylhexyl) phthalate	525.2	6	ug/L	0.6	ND	1	12/1/2020	13:15	12/10/2020	12/26/2020
2440	Dicamba	515.4	--	ug/L	1	ND	1	12/1/2020	13:15	12/8/2020	12/17/2020
2933	Dichloran	505	--	mg/L	0.001	ND	1	12/1/2020	13:15	12/7/2020	12/7/2020
2070	Dieldrin	505	--	mg/L	0.00002	ND	1	12/1/2020	13:15	12/7/2020	12/7/2020
2041	Dinoseb	515.4	7	ug/L	0.2	ND	1	12/1/2020	13:15	12/8/2020	12/17/2020
2032	Diquat	549.2	20	ug/L	0.4	ND	1	12/1/2020	13:15	12/4/2020	12/16/2020
2033	Endothall	548.1	100	ug/L	9	ND	1	12/1/2020	13:15	12/7/2020	12/15/2020

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2005	Endrin	505	0.002	mg/L	0.00001	ND		1	12/1/2020	13:15	12/7/2020	12/7/2020
2034	Glyphosate	547	700	ug/L	6	ND		1	12/1/2020	13:15		12/14/2020
2065	Heptachlor	505	0.0004	mg/L	0.00001	ND		1	12/1/2020	13:15	12/7/2020	12/7/2020
2067	Heptachlor Epoxide	505	0.0002	mg/L	0.00001	ND		1	12/1/2020	13:15	12/7/2020	12/7/2020
2274	Hexachlorobenzene	505	0.001	mg/L	0.0001	ND		1	12/1/2020	13:15	12/7/2020	12/7/2020
2042	Hexachlorocyclopentadiene	505	0.05	mg/L	0.0001	ND		1	12/1/2020	13:15	12/7/2020	12/7/2020
2010	Lindane	505	0.0002	mg/L	0.00002	ND		1	12/1/2020	13:15	12/7/2020	12/7/2020
2022	Methomyl	531.2	--	ug/L	1.0	ND		1	12/1/2020	13:15		12/9/2020
2015	Methoxychlor	505	0.04	mg/L	0.0001	ND		1	12/1/2020	13:15	12/7/2020	12/7/2020
2045	Metolachlor	525.2	--	ug/L	0.2	ND		1	12/1/2020	13:15	12/10/2020	12/26/2020
2595	Metribuzin	525.2	--	ug/L	0.2	ND		1	12/1/2020	13:15	12/10/2020	12/26/2020
2626	Molinate	525.2	--	ug/L	0.2	ND		1	12/1/2020	13:15	12/10/2020	12/26/2020
2036	Oxamyl	531.2	200	ug/L	1.0	ND		1	12/1/2020	13:15		12/9/2020
2934	Pentachloronitrobenzene	505	--	mg/L	0.0001	ND		1	12/1/2020	13:15	12/7/2020	12/7/2020
2326	Pentachlorophenol	515.4	1	ug/L	0.04	ND		1	12/1/2020	13:15	12/8/2020	12/17/2020
2040	Picloram	515.4	500	ug/L	0.1	ND		1	12/1/2020	13:15	12/8/2020	12/17/2020
2077	Propachlor	525.2	--	ug/L	0.2	ND		1	12/1/2020	13:15	12/10/2020	12/26/2020
2110	Silvex 2,4,5-TP	515.4	50	ug/L	0.2	ND		1	12/1/2020	13:15	12/8/2020	12/17/2020
2037	Simazine	525.2	4	ug/L	0.1	ND		1	12/1/2020	13:15	12/10/2020	12/26/2020
2627	Thiobencarb	525.2	--	ug/L	0.2	ND		1	12/1/2020	13:15	12/10/2020	12/26/2020
2383	Total PCBs	505	0.0005	mg/L	0.0005	ND		1	12/1/2020	13:15	12/7/2020	12/7/2020
2910	Total Phenols	420.4	--	mg/L	0.001	ND	R2	1	12/1/2020	13:15		12/2/2020
2020	Toxaphene	505	0.003	mg/L	0.001	ND		1	12/1/2020	13:15	12/7/2020	12/7/2020
2055	Trifluralin	505	--	mg/L	0.001	ND		1	12/1/2020	13:15	12/7/2020	12/7/2020

Qualifiers:

R2: The laboratory is not accredited for this analyte. The resulting value should be used for informational purposes only.

National Testing Laboratories, Ltd

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

ANALYTICAL REPORTS

SAMPLE CODE: 413421

12/30/2020

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

Christine MacMillan, Technical Director

Analyst	Tests
AC	200.7,2330B
ZSC	200.8
PC	2320B,2120B,5540C,2340C,2150B,150.1,2510B,2130B
CF	2540C
SG	300.1,300.0
SB	524.2 THMs,524.2,531.2,549.2,547
JPT	504.1,515.4,505
JF	525.2,548.1
DHG	420.4

Laboratory ID: CT:PH-0745,
ME:MI00044

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

ANALYTICAL REPORTS

SAMPLE CODE: 413420

12/8/2020

Customer: Summit Spring Water Inc
N. Bryan Pullen
PO Box 480
Harrison, ME 04040

Source: Summit Spring

Date/Time Received: 12/2/2020 10:10

Collected by: N.B. Pullen

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

Legend:

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

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

"NA" Not Analyzed

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

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

"DF" This column indicates the contaminant dilution factor.

Report Notes:

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
				Microbiologicals						
3114	E. Coli	9223B	1	MPN/100 mL	1	ND	1	12/1/2020 13:10		12/2/2020 13:27
3001	Standard Plate Count	9215B	500	CFU/ml	1	36	1	12/1/2020 13:10		12/2/2020 13:00
				Pour Plate Method, 35°C/48hr, Plate Count Agar						
3000	Total Coliform	9223B	1	MPN/100 mL	1	ND	1	12/1/2020 13:10		12/2/2020 13:27

Analyst	Tests
GK	9223B
CF	9215B

Sarah Buchanan

Sarah Buchanan, Project Manager

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Report Prepared for:

Susan Henderson
National Testing Laboratories
6571 Wilson Mills Road
Cleveland OH 44143

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

Report Summary:

This report contains results of one drinking water sample analyzed to determine 2,3,7,8-TCDD content. This sample was analyzed according to Method 1613 by High Resolution Gas Chromatography/High Resolution Mass Spectrometry.

Pace Project Number:
10542014

Report Prepared Date:
December 22, 2020

Product Source

Sample ID: 413421
Source Name: Summit Spring
Source Location: Harrison, ME
PWS ID: N/A
Laboratory Sample ID: 10542014001
Date Sampled: 12/01/2020 @ 13:15
Date Received: 12/11/2020 @ 10:15

This report has been reviewed by:

Joanne Richardson

December 22, 2020
Joanne Richardson,
(612) 607-6453
(612) 607-6444 (fax)

Report of Laboratory Analysis

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

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

Minnesota Laboratory Certifications

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

REPORT OF LABORATORY ANALYSIS

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

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

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

I = Interferencepresent

J = Estimated value

L = Suppressive interference, analyte may be biased low

Nn = Value obtained from additional analysis

P = PCDEInterference

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

* = SeeDiscussion

REPORT OF LABORATORY ANALYSIS

National Testing Laboratories, Ltd.
Quality Water Analysis

CHAIN OF CUSTODY

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

Report No.....10542014_1613DW_DFR

CLIENT/COMPANY NAME:

CLIENT COMMENTS:

TYPES OF SAMPLES:

DRINKING WATER = D SOIL SAMPLE = S
GROUND WATER = G SLUDGE/WASTE = W
POOL WATER = P OTHER TYPE = O

WO#: 10542014
10542014

SAMPLE #	COLLECTION DATE	COLLECTION TIME	SAMPLE SITE DESCRIPTION	SAMPLE TYPE	# OF CONTAINERS	TEST(S) REQUESTED PER SAMPLE (X) Dioxin	LAB #
413421	12/1/20	1315	21630516	A	2	X	001
413576	12/7/20	1443	21637162	A	2	X	

RECEIVER SIGNATURE CONFIRMS THAT THE BOTTLES RECEIVED ARE CONSISTENT WITH THE REQUIRED TESTING PROTOCOL.

SAMPLED BY: (Signature) (1)	DATE	TIME	RELINQUISHED BY: (Signature) (4)	DATE	TIME
SHIPPED BY: (Signature) (2)	DATE 12/10/20	TIME 1600	RECEIVED BY: (Signature) (5) TJ PACE	DATE 12-11-20	TIME 105
RECEIVED BY: (Signature) (3)	DATE	TIME	RELINQUISHED BY: (Signature) (6)	DATE	TIME
			RECEIVED BY: (Signature) (7)	DATE	TIME

LABORATORY COMMENTS:

COC 501 2.22.11

See instructions on reverse side →

National Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

Beverage - Source Water

Order Number: 2163056 413421
Order Date: 10/29/2020
Sample Number:
Product: FDABASE GRX
Paid: No **Method:** **P.O.:**
TSR: SBW

Harrison ME 04040

Date Sampled : 12 / 1 / 20
Time Sampled: 13 : 15 Please Use Military Time, e.g. 3:00pm = 15:00
Check Time Zone: ☑ EST ☐ CST ☐ MST ☐ PST

Source Water Information:

PWS ID# (if applicable):
Source Name: SUMMIT SPRING
City & State: (If Different than Above)
Sample Collected By: (Signature)
Sample Collected By: NB PULLEN (Please Print)
Sample Temperature: **Field pH:**
Measured at Source By:
Form Completed By:
Additional Comments:

For Laboratory Use ONLY

Lab Accounting Information:
Payment $:
Check #:

Lab Comments/Special Instructions:
2020 Spring Source Water Annual

DIOXIN

State Forms:
CT|ME

60

Lab Sample Information:
Date Received: 12 / 2 / 20
Time Received: 10 : 10
Received By: LB
☑ Sample receipt criteria checked & acceptable.
☐ Deviations from acceptable sample receipt criteria noted on PSA form.

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

Pace Analytical®	Document Name: Sample Condition Upon Receipt (SCUR) - MN	Document Revised: 12Aug2020 Page 1 of 1
	Document No.: ENV-FRM-MIN4-0150 Rev.01	Pace Analytical Services - Minneapolis

Sample Condition Upon Receipt

Client Name: National Testing Laboratories Ltd.

Project #: WO#: 10542014

PM: JMR Due Date: 12/22/20

CLIENT: NTL

Courier: TJ 12-11-20 ~~Fed Ex~~ ☒UPS ☐USPS ☐Client ☐Pace ☐SpeeDee ☐Commercial

Tracking Number: 1Z4W93101736465 87 See Exceptions ☐ ENV-FRM-MIN4-0142

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

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

Thermometer: ☐T1(0461) ☐T2(1336) ☒T3(0459) ☐T4(0254) ☐T5(0489) **Type of Ice:** ☒Wet ~~☒Blue~~ TJ 12-11-20 ☐None ☐Dry ☐Melted

Did Samples Originate in West Virginia? ☐Yes ☒No **Were All Container Temps Taken?** ☐Yes ☐No ☒N/A

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** _____ °C

Correction Factor: -0.1 **Cooler Temp Corrected w/temp blank:** _____ °C

Average Corrected Temp (no temp blank only): 3.5 °C ☒See Exceptions ENV-FRM-MIN4-0142 ☐1 Container

USDA Regulated Soil: (☒ N/A, water sample/Other: _____)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐Yes ☐No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐Yes ☐No

Date/Initials of Person Examining Contents: TJ 12-11-20

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
~~Chain of Custody Present and Filled Out?~~	☒Yes	☐No		1.
~~Chain of Custody Relinquished?~~	☒Yes	☐No		2.
Sampler Name and/or Signature on COC?	☒Yes	☐No	☐N/A	3.
Samples Arrived within Hold Time?	☒Yes	☐No		4.
Short Hold Time Analysis (<72 hr)?	☐Yes	☒No		5. ☐Fecal Coliform ☐HPC ☐Total Coliform/E coli ☐BOD/cBOD ☐Hex Chrome ☐Turbidity ☐Nitrate ☐Nitrite ☐Orthophos ☐Other
Rush Turn Around Time Requested?	☐Yes	☒No		6.
Sufficient Volume?	☒Yes	☐No		7.
Correct Containers Used?	☒Yes	☐No		8.
-Pace Containers Used?	☒Yes	☐No		
Containers Intact?	☒Yes	☐No		9.
Field Filtered Volume Received for Dissolved Tests?	☐Yes	☐No	☒N/A	10. Is sediment visible in the dissolved container? ☐Yes ☐No
Is sufficient information available to reconcile the samples to the COC?	☒Yes	☐No		11. **If no, write ID/ Date/Time on Container Below:** See Exception ☐ ENV-FRM-MIN4-0142
Matrix: ☒Water ☐Soil ☐Oil ☐Other				
All containers needing acid/base preservation have been checked?	☐Yes	☐No	☒N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐Yes	☐No	☒N/A	☐NaOH ☐HNO_3 ☐H_2SO_4 ☐Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☒Yes	☐No	☐N/A	Positive for Res. Chlorine? ☐Yes ☐No **pH Paper Lot#** See Exception ☐ ENV-FRM-MIN4-0142
				Res. Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	☐Yes	☐No	☒N/A	13. See Exception ☐ ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐Yes	☐No	☒N/A	
Trip Blank Present?	☐Yes	☐No	☒N/A	14.
Trip Blank Custody Seals Present?	☐Yes	☐No	☒N/A	Pace Trip Blank Lot # (if purchased):

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐Yes ☐No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____ **Date:** 12-11-20

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

Labeled by: TJ (3)

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR) Exception Form**	Document Revised: 04Jun2020 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0142 Rev.01**	Pace Analytical Services - **Minneapolis**

SCUR Exceptions:

Workorder #: 10542014

Out of Temp Sample IDs	Container Type	# of Containers

PM Notified? ☐Yes ☐No

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

Multiple Cooler Project? ☐Yes ☐No
If you answered yes, fill out information to the left.

No Temp Blank		
Read Temp	Corrected Temp	Average Temp
4.2	4.1	3.5
2.0	2.3	
3.4	3.9	
4.2	4.2	

Tracking Number/Temperature	

Issue Type: Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preserv.	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance after addition?	Initials
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	

Comments:

PaceAnalyticalServices,LLC
1700ElmStreet
Minneapolis,MN55414
Tel612-607-1700
Fax612-607-6444

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

Sample ID.....413421
Client..... National Testing Laborato
Lab Sample ID.....10542014001

Date Collected.....12/01/2020
Date Received.....12/11/2020
Date Extracted.....12/16/2020

Spike.....200 pg
IS Spike.....2000 pg
CS Spike.....200 pg

	Sample 413421	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	--	--	113%	132%
pg Recovered	--	--	226pg/L	264pg/L
Spike Recovery Limit	--	--	73-146%	73-146%
RPD				15.4%
IS Recovery	**54%**	67%	43%	46%
pg Recovered	1085 pg/L	1342 pg/L	856 pg/L	914 pg/L
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	**67%**	69%	62%	59%
pg Recovered	133 pg/L	138 pg/L	125 pg/L	119 pg/L
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	F201221A_10	F201219A_11	F201219A_04	F201219A_05
Analysis Date	12/21/2020	12/19/2020	12/19/2020	12/19/2020
Analysis Time	12:04	07:07	01:29	02:17
Analyst	SMT	JRH	JRH	JRH
Volume	0.999L	0.983L	1.021L	1.004L
Dilution	NA	NA	NA	NA
ICAL Date	11/17/2020	11/17/2020	11/17/2020	11/17/2020
CCAL Filename	F201221A_01	F201219A_01	F201219A_01	F201219A_01

! = 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-$^{13}C_{12}$]
CS = Cleanup Standard [2,3,7,8-TCDD-$^{37}Cl_4$]

Analyst:

Project No.....10542014

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3 +
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2163056
Pace Project No.: 30396248

Sample: 413421 **Lab ID: 30396248001** Collected: 12/01/20 13:15 Received: 12/09/20 09:50 Matrix: Drinking Water
PWS: Site ID: Sample Type:

Comments:
- The sample was received outside the recommended holding time for radon.
- Sample collection dates and times were not present on the sample containers.
- Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH <2 for radiochemistry analysis. The samples were not preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Radon	SM 7500RnB-07	**2,328 ± 167 (151) C:NA T:NA**	pCi/L	12/10/20 02:19	10043-92-2	
		Pace Analytical Services - Greensburg				
Gross Alpha	EPA 900.0	**0.375 ± 0.842 (1.99) C:NA T:NA**	pCi/L	12/18/20 08:31	12587-46-1	
Gross Beta	EPA 900.0	**0.932 ± 0.846 (1.77) C:NA T:NA**	pCi/L	12/18/20 08:31	12587-47-2	
		Pace Analytical Services - Greensburg				
Radium-226	EPA 903.1	**0.258 ± 0.336 (0.556) C:NA T:80%**	pCi/L	12/29/20 12:21	13982-63-3	
		Pace Analytical Services - Greensburg				
Radium-228	EPA 904.0	**0.237 ± 0.352 (0.764) C:78% T:81%**	pCi/L	12/23/20 14:21	15262-20-1	
		Pace Analytical Services - Greensburg				
Total Radium	Total Radium Calculation	**0.495 ± 0.688 (1.32)**	pCi/L	12/29/20 13:55	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

EMSL Order ID:	042029390
Customer ID:	NTLI78
Customer PO:	14630
Project ID:	

Attn: Susan Henderson
National Testing Laboratories, Inc.
6571 Wilson Mills Road
Cleveland, OH 44143

Phone:	(440) 449-2525
Fax:	(Ema) il -only
Received:	12/04/2020
Analyzed:	12/17/2020

Proj: 2163056

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

					ASBESTOS				
Sample ID Client / EMSL	**Sample Filtration Date/Time**	**Original Sample Vol. Filtered (ml)**	**Effective Filter Area (mm²)**	**Area Analyzed (mm²)**	*Asbestos Types*	*Fibers Detected*	*Analytical Sensitivity*	*Concentration*	*Confidence Limits*
							MFL (million fibers per liter)		
413421 042029390-0001	12/14/2020 07:00 AM	100	1352	0.0792	None Detected	ND	0.17	<0.17	0.00 - 0.51

Collection Date/Time: *12/01/2020 13:15 PM*

Sample ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time.

Analyst(s)
Debbie Little (1)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

Any questions please contact Samantha Rundstrom-Cruz.

Initial report from: 12/17/2020 23:58:08

eurofins | Eaton Analytical

110 South Hill Street
South Bend, IN 46617
Tel: (574) 233-4777
Fax: (574) 233-8207
1 800 332 4345

Laboratory Report

Client: National Testing Laboratories

Attn: Susan Henderson
6571 Wilson Mills Road
Cleveland, OH 44143

Report: 505412
Priority: Standard Written
Status: Final
PWS ID: Not Supplied
Ohio Lab ID# 87775

Sample Information

EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
4789575	413421/2163056	335.4	12/01/20 13:15	Client	12/04/20 08:30
4789577	413421/2163056	331.0	12/01/20 13:15	Client	12/04/20 08:30

Report Summary

Note: Samples were provided by the client in sealed finished product containers. The samples were poured off into EEA containers upon receipt.

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Caleb Hunsberger at (574) 233-4777.

Caleb Hunsberger ASM

Authorized Signature | Title

12/11/2020
Date

Client Name: National Testing Laboratories
Report #: 505412

Client Name: National Testing Laboratories

Report #: 505412

Sampling Point: 413421/2163056

PWS ID: Not Supplied

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
14797-73-0	Perchlorate	331.0	---	0.05	**0.57**	ug/L	---	12/08/20 00:29	4789577
57-12-5	Cyanide, Total	335.4	0.1 &	0.02	< 0.02	mg/L	12/07/20 10:39	12/07/20 11:45	4789575

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL	SOQ
Symbol:	*	^	!	&

Lab Definitions

Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC) - is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis. CCL, CCM, and CCH are the CCC standards at low, mid, and high concentration levels, respectively.

Internal Standards (IS) - are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

Laboratory Duplicate (LD) - is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS) - is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control. FBL, FBM, and FBH are the LFB samples at low, mid, and high concentration levels, respectively.

Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB) - is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB) - is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

If applicable, the calculation of the matrix spike (MS) or matrix spike duplicate (MSD) percent recovery is as follows: (MS or MSD value - Sample value) * 100 / spike target / dilution factor = **Recovery %**

Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD) - is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix. SDL, SDM, and SDH / LFSMDL, LFSMDM, and LFSMDH are the MSD or LFSMD at low, mid, and high concentration levels, respectively.

Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM) - is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results. MSL, MSM, and MSH / LFSML, LFSMM, and LFSMH are the MS or LFSM at low, mid, and high concentration levels, respectively.

Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV) - is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS) - is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

Surrogate Standard (SS) / Surrogate Analyte (SUR) - is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L2053995
Client:	National Testing Laboratories, LTD 6571 Wilson Mills Rd. Cleveland, OH 44143
ATTN:	Susan Henderson
Phone:	(440) 449-2525
Project Name:	Not Specified
Project Number:	Not Specified
Report Date:	12/16/20

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2053995
Report Date: 12/16/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2053995-01	413472	DW	2163056	12/01/20 13:20	12/04/20
L2053995-02	413472-FB	DW	2163056	12/01/20 13:20	12/04/20

Project Name:	Not Specified	**Lab Number:**	L2053995
Project Number:	Not Specified	**Report Date:**	12/16/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: Not Specified
Project Number: Not Specified

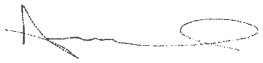
Lab Number: L2053995
Report Date: 12/16/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Alycia Mogayzel

Title: Technical Director/Representative Date: 12/16/20

ORGANICS

SEMIVOLATILES

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2053995
Report Date: 12/16/20

SAMPLE RESULTS

Lab ID: L2053995-01
Client ID: 413472
Sample Location: 2163056

Date Collected: 12/01/20 13:20
Date Received: 12/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Dw
Analytical Method: 133,537.1
Analytical Date: 12/13/20 06:35
Analyst: SH

Extraction Method: EPA 537
Extraction Date: 12/11/20 16:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab						
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.94	0.275	1
Perfluorohexanoic Acid (PFHxA)	0.310	J	ng/l	1.94	0.255	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	3.88	0.438	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.94	0.252	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.94	0.465	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	1.94	0.069	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.94	0.605	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.94	0.461	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.94	0.477	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.94	0.624	1
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	1.94	0.267	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.94	0.582	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.94	0.415	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.94	0.543	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.94	0.628	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	1.94	0.204	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.94	0.492	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.94	0.419	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	88		70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	78		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	93		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2053995
Report Date: 12/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 133,537.1
Analytical Date: 12/12/20 21:42
Analyst: SH

Extraction Method: EPA 537
Extraction Date: 12/11/20 16:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab for sample(s): 01 Batch: WG1444081-1					
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.284
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.263
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	4.00	0.452
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.260
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.480
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	2.00	0.072
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.624
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.476
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.492
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.644
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	2.00	0.275
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.600
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.428
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.560
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.648
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	2.00	0.210
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.508
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.432

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	89		70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	87		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	104		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2053995

Report Date: 12/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab Associated sample(s): 01 Batch: WG1444081-2 WG1444081-3								
Perfluorobutanesulfonic Acid (PFBS)	89		99		70-130	11		30
Perfluorohexanoic Acid (PFHxA)	93		93		70-130	0		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	89		83		70-130	7		30
Perfluoroheptanoic Acid (PFHpA)	104		100		70-130	4		30
Perfluorohexanesulfonic Acid (PFHxS)	93		101		70-130	8		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	94		94		70-130	0		30
Perfluorooctanoic Acid (PFOA)	99		102		70-130	3		30
Perfluorononanoic Acid (PFNA)	94		94		70-130	0		30
Perfluorooctanesulfonic Acid (PFOS)	99		99		70-130	0		30
Perfluorodecanoic Acid (PFDA)	95		89		70-130	7		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	90		87		70-130	3		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	86		93		70-130	8		30
Perfluoroundecanoic Acid (PFUnA)	106		101		70-130	5		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	86		92		70-130	7		30
Perfluorododecanoic Acid (PFDoA)	101		99		70-130	2		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	86		90		70-130	5		30
Perfluorotridecanoic Acid (PFTrDA)	96		94		70-130	2		30
Perfluorotetradecanoic Acid (PFTA)	92		93		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2053995
Report Date: 12/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab Associated sample(s): 01 Batch: WG1444081-2 WG1444081-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	86		88		70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	86		80		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	98		87		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		91		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2053995

Report Date: 12/16/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab	Associated sample(s): 01		QC Batch ID: WG1444081-4			QC Sample: L2054216-01			Client ID: MS Sample			
Perfluorobutanesulfonic Acid (PFBS)	ND	132	137	104		-	-		70-130	-		30
Perfluorohexanoic Acid (PFHxA)	ND	148	152	102		-	-		70-130	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	148	143	96		-	-		70-130	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	148	150	101		-	-		70-130	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	136	144	106		-	-		70-130	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	140	143	102		-	-		70-130	-		30
Perfluorooctanoic Acid (PFOA)	ND	148	164	110		-	-		70-130	-		30
Perfluorononanoic Acid (PFNA)	ND	148	146	98		-	-		70-130	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	138	141	102		-	-		70-130	-		30
Perfluorodecanoic Acid (PFDA)	ND	148	139	94		-	-		70-130	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	138	121	88		-	-		70-130	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	148	124	84		-	-		70-130	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	148	156	105		-	-		70-130	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	148	130	88		-	-		70-130	-		30
Perfluorododecanoic Acid (PFDoA)	ND	148	144	97		-	-		70-130	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	140	130	93		-	-		70-130	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	148	137	92		-	-		70-130	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	148	136	92		-	-		70-130	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2053995

Report Date: 12/16/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab	Associated sample(s): 01		QC Batch ID: WG1444081-4			QC Sample: L2054216-01			Client ID: MS Sample			

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	89				70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86				70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	90				70-130
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	95				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2053995
Report Date: 12/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1444081-5 QC Sample: L2054216-03 Client ID: DUP Sample						
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
PFOA/PFOS, Total	ND	ND	ng/l	NC		30
PFAS, Total (5)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2053995
Report Date: 12/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1444081-5 QC Sample: L2054216-03 Client ID: DUP Sample						
PFAS, Total (6)	ND	ND	ng/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	83		92		70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	78		82		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	83		91		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79		76		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2053995
Report Date: 12/16/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2053995-01A	2 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		5.1	Y	Absent		A2-537.1(14)
L2053995-02A	2 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		5.1	Y	Absent		A2-L-EXT-537(14)

Container Comments

L2053995-02A	FB not properly transferred, Now considered a TB

*Values in parentheses indicate holding time in days

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2053995
Report Date: 12/16/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	Not Specified	**Lab Number:**	L2053995
Project Number:	Not Specified	**Report Date:**	12/16/20

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	Not Specified	**Lab Number:**	L2053995
Project Number:	Not Specified	**Report Date:**	12/16/20

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2053995
Report Date: 12/16/20

REFERENCES

133 Determination of Selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537.1, EPA/600/R-18/352. Version 1.0, November 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

National Testing Laboratories, Ltd.
Quality Water Analysis

CHAIN OF CUSTODY

L2053995

Page 1 of 1

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

CLIENT/COMPANY NAME:

CLIENT COMMENTS:

TYPES OF SAMPLES

DRINKING WATER - D SOIL SAMPLE - S
GROUND WATER - G SLUDGE WASTE - W
POOL WATER - P OTHER TYPE - O

SAMPLE #	COLLECTION DATE	COLLECTION TIME	SAMPLE SITE DESCRIPTION	SAMPLE TYPE	# OF CONTAINERS	PFAS (18 list)	w/ blanks to be run	if sample has hits	LAB #
413472	12/1/20	1320	2163056	D	4	X	X	X	

RECEIVER SIGNATURE CONFIRMS THAT THE BOTTLES RECEIVED ARE CONSISTENT WITH THE REQUIRED TESTING PROTOCOL.

SAMPLED BY (Signature)	DATE	TIME	RELINQUISHED BY (Signature)	DATE	TIME
[signature]	12/3/20	1600	[signature]		
			RECEIVED BY (Signature)	DATE	TIME
			[signature]	12/4/20	1515

LABORATORY COMMENTS

National Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

Beverage - Source Water

Order Number: 2163056

Order Date: 10/29/2020

Sample Number:

Product: PFAS 18

Paid: No Method: P.O.:

TSR: SBW

For Laboratory Use ONLY

Serial_No:12162012:52

Lab Accounting Information:

Payment $:

Check #:

Lab Comments/Special Instructions:

2020 Spring Source Water Annual

Harrison ME 04040

Date Sampled: 12 / 1 / 20

Time Sampled: 13 : 20 Please Use Military Time e.g. 2:00pm = 14:00

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

Source Water Information:

PWS ID# (if applicable):

Source Name: SUMMIT SPRING

City & State: (If Different than Above)

Sample Collected By: (Signature)

Sample Collected By: NB PULLEN (Please Print)

Sample Temperature: Field pH:

Measured at Source By:

Form Completed By:

State Forms:

CT|ME

Lab Sample Information:

Date Received: 12 / 2 / 20

Time Received: 10 : 10

Received By: LB

☑ Sample receipt criteria checked & acceptable

☐ Deviations from acceptable sample receipt [illegible] on PSA form

Additional Comments:

Rev: SRT102120 INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE [illegible]

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
Food & Standards Division
165 Capital Ave., Hartford, CT 06106Telephone (860) 713-7237 E-Mail: food.standards@po.state.ct.us
Internet: www.state.ct.us/dep
#413421

WATER ANALYSIS REQUIREMENT FORM

WATER BOTTLERS: Please provide the appropriate analytical values from a State of Connecticut approved public health laboratory in the spaces provided on this form. Contact the Connecticut Dept. Health, bureau of Laboratories at (860) 509-7389 for a list of approved laboratories. Submit documentation for all the analytical results you provide, for water samples taken within the past 6 months, as attachments to this questionnaire. Detection limits must be provided for each parameter tested. ALL the required information must be submitted or the application will be denied.

SODA & JUICE DRINK BOTTLERS: Submit raw/source lab results for Total Coliform. (THIS QUESTIONNAIRE NOT REQUIRED)

NAME OF BOTTLED WATER FIRM:

_____

STREET: _____

CITY, STATE & COUNTRY: _____

COMPLETED BY: _____ PHONE: (___)_____

FIRM'S AUTHORIZED SIGNATURE: _____ DATE: _____

1. Source Approval:
   Are copies of all current governmental certification for the sources being reviewed provided for Connecticut approval?
   ( ) Yes ( ) No

2. Treatment:
   If you treat the source(s) to meet potability standards for finished water, what treatment do you use?

   _____

NOTE: Include analytical results for treated water in the column "Finished Water Value"

DCP USE:

( ) Approved ( ) Denied (see comments)

Comments:

_____

Reviewed by: _____ Date:_____

FOR DPH USE:

( )Approved ( ) Denied (see comments)

Comments:

_____

Reviewed by: _____ Date: _____

Pesticides and Herbicides,PCB, AND THEIR LIMITS

CONTAMINANT (1)	MAXIMUM CONTAMINANT LEVEL (MG/L)	SOURCE WATER VALUE	FINISHED WATER VALUE
ALACHLOR	0.002	<0.0002	
ALDICARB	**	<0.001	
ALDICARB SULFOXIDE	**	<0.001	
ALDICARB SULFONE	**	<0.001	
ALDRIN	**	<0.00007	
ATRAZINE	0.003	<0.0001	
BENZO (A) PYRENE	0.0002	<0.0001	
BUTACHLOR	**	<0.0002	
CARBARYL	**	<0.001	
CARBOFURAN	0.04	<0.001	
CHLORDANE	0.002	<0.0001	
DALAPON	0.2	<0.001	
DI (2-ETHYLHEXYL) ADIPATE	0.4	<0.0002	
DI (2-ETHYLHEXYL) PHTHALATES	0.006	<0.0006	
DICAMBA	**	<0.001	
DIELDRIN	**	<0.00002	
DINOSEB	0.007	<0.0002	
DIQUAT	0.02	<0.001	
DIBROMOCHLOROPROPANE (DBCP)	0.0002	<0.00001	
2.4-D	0.07	<0.0001	
ETHYLENE DIBROMIDE (EDB)	0.00005	<0.00001	
ENDRIN	0.002	<0.00001	
ENDOTHALL	0.1***	<0.009	
GLYPHOSATE	0.7	<0.006	
HEPTACHLOR	0.0004*	<0.00001	
HEPTACHLOR EPOXIDE	0.0002*	<0.00001	
HEXACHLOROBENZENE	0.001	<0.0001	
HEXACHLOROCYCLOPENTADIENE	0.05	<0.0001	
3-HYDROXYCARBOFURAN	**	<0.001	
LINDANE	0.0002	<0.00002	
METHOXYCHLOR	0.04	<0.0001	

METHOMYL	**	<0.001	
METOLACHLOR	**	<0.0002	
METRIBUZIN	**	<0.0002	
OXAMYL (VYDATE)	0.2	<0.001	
PICLORAM	0.5	<0.0001	
PROPACHLOR	**	<0.0002	
SIMAZINE	0.004	<0.0001	
2,3,7,8-TCDD (DIOXIN)	0.00000003***	<5.0 pg/l	
POLYCHLORINATED BIPHENYLS (PCB)	0.0005	<0.0005	
PENTACHLOROPHENOL	0.001	<0.00004	
TOXAPHENE	0.003	<0.001	
2,4,5-TP (SILVEX)	0.05	<0.0002	

FOOTNOTES:1THE METHOD DETECTION LIMITS FOR ALL PESTICIDES,HERBICIDES AND PCB SHALL CONFORM TO THOSE ACCEPTED AND APPROVED BY EPA. **MCL HAS NOT BEEN ESTABLISHED FOR THIS CHEMICAL. *IF MONITORING RESULTS IN DETECTION OF ONE OR MORE OF THESE CONTAMINANTS, THEN SUBSEQUENT MONITORING SHALL ANALYZE FOR ALL THESE CONTAMINANTS. *** DO NOT NEED TO TEST FOR THIS CHEMICAL AT THE PRESENT TIME.

ORGANIC CHEMICALS NA= NOT ANALYZED

CONTAMINANT	QUANTIFICATION LIMIT (UG/L)	MCL (UG/L)	SOURCE WATER VALUE	FINISHED WATER VALUE
Benzene	0.5	5	<0.5	
Bromobenzene	0.5		<0.5	
Bromomethane	0.5		<0.5	
n Butyl Benzene	0.5		<0.5	
Carbon Tetrachoride	0.5	5	<0.5	
Chlorobenzene	0.5	100	<0.5	
Chloroethane	0.5		<0.5	
Chloromethane	0.5		<0.5	
Ortho-Chlorotoluene	0.5		<0.5	
Para-Chlorotoluene	0.5		<0.5	
Dibromomethane	0.5		<0.5	
Meta-Dichlorobenzene	0.5		<0.5	
Ortho-Dichlorobenzene	0.5	600	<0.5	
Para-Dichlorobenzene	0.5	75	<0.5	
1,1 Dichloroethane	0.5		<0.5	
1,2 Dichloroethane (EDC)	0.5	5	<0.5	

1,1 Dichloroethylene	0.5	7	<0.5	
Cis 1,2 Dichloroethylene	0.5	70	<0.5	
Trans 1,2 Dichloroethylene	0.5	100	<0.5	
1,2 Dichloropropane	0.5	5	<0.5	
1,3 Dichloropropane	0.5		<0.5	
2,2 Dichloropropane	0.5		<0.5	
1,1 Dichloropropene	0.5		<0.5	
1,3 Dichloropropene	0.5		<0.5	
Ethylbenzene	0.5	700	<0.5	
Methylene Chloride	0.5	5	<0.5	
Methyl Tert Butyl Ether (MTBE)	2.0		<0.5	
Napthalene	0.5		<0.5	
n Propylbenzene	0.5		<0.5	
Styrene	0.5	100	<0.5	
1,1,1,2 Tetrachloroethane	0.5		<0.5	
1,1,2,2 Tetrachloroethane	0.5		<0.5	
Tetrachloroethylene	0.5	5	<0.5	
Toluene	0.5	1000	<0.5	
1,1,1 Trichloroethane	0.5	200	<0.5	
1,1,2 Trichloroethane	0.5	5	<0.5	
1,2,4 Trichlorobenzene	0.5	70	<0.5	
Trichloroethylene	0.5	5	<0.5	
1,2,3 Trichloropropane	0.5		<0.5	
1,2,4 Trimethyl Benzene	0.5		<0.5	
1,3,5 Trimethyl Benzene	0.5		<0.5	
Vinyl Chloride	0.5	2	<0.5	
Xylenes (Total)		10000	<0.5	
Meta Xylene	0.5		<0.5	
Ortho Xylene	0.5		<0.5	
Para Xylene	0.5		<0.5	
Total Trihalomethanes (TTHM)		100	<0.5	
1. Bromodichloromethane			<0.5	

2. Bromoform			<0.5	
3. Chlorodibromomethane	0.5		<0.5	
4. Chloroform			<0.5	

Contaminant	Quanitification Limit (UG/L)	MCL (UG/L)	SourceWater Value	Finished Water Value
Bromate		10	***	
Chlorite		1000	***	
Haloacetic Acids (HAA5)		60	***	
1.Monochloroacetic Acid			***	
2.Dichloroacetic Acid			***	
3.Trichloroacetic Acid			***	
4.Bromoacetic Acid			***	
5.Dibromoacetic Acid			***	

NA= Not Analyzed

Disinfection Residuals	Maximum Residual Disinfectant Level		SourceWater Value	Finished Water Value
	(MRDL) MG/L			
Chlorine	4.0 as CL2		***	
Chloramine	4.0 as CL2		***	
Chlorine Dioxide	0.8		***	

*** indicates no disinfection by ozonation or chlorination at the source, therefore, analysis was not required or performed.

BACTERIOLOGICAL/ PHYSICAL

CONTAMINANT	MAXIMUM CONTAMINANT LEVEL (MCL)	SOURCE WATER VALUE	FINISHED WATER VALUE
Coliform	Absence	0	
Color (Apparent)	15 Units	<3	
Turbidity	5 Units	<0.1	
Odor	Value of 2	<1	
pH (acceptable range)	6.4 to 8.5	6.3	

INORGANIC CHEMICALS (MCL mg/l)

CONTAMINANT	MCL (MG/L) (1)	SOURCE WATER VALUE	FINISHED WATER VALUE
Antimony	.006	<0.003	
Arsenic	.05	<0.002	
Asbestos	7.0 MFL (2)	<0.17	
Barium	2.0	<0.10	
Beryllium	.004	<0.001	
Cadmium	.005	<0.001	
Chromium	.1	<0.007	
Cyanide	.2	<0.02	
Fluoride	4.0	<0.10	
Lead	(4)	<0.001	

MBAS	0.5	<0.1	
Mercury	.002	<0.0002	
Nickel	.1	<0.005	
Nitrite Nitrogen	1.0 (as N)	<0.05	
Nitrate Nitrogen plus Nitrite	10.0 (as N)	0.37	
Selenium	.05	<0.002	
Silver	.05	<0.002	
Sulfate	(3)	<5.0	
Thallium	.002	<0.001	
Copper	(4)	<0.002	
Sodium (notification level)	28.0	11	
Chloride	250.0	20.0	
Total Dissolved Solids	(3)	82	

RADIOLOGICAL

CONTAMINANT	MCL AS PCI/L	SOURCE WATER VALUE	FINISHED WATER VALUE
Radioactivity (natural) Gross Alpha		0.375+-0.842	
Combined Radium 226 & 228		0.495+-0.688	
Radioactivity (man-made) (6)			
Gross beta particle		0.932+-0.846	
Uranium		<0.001 mg/L	
Tritium	20000		
Strontium - 90	8		
Dose equivalent of tritium plus srontium - 90	4 millirem		

Foot Notes:

(1) The method detection limits for inorganic chemicals shall conform to those accepted by the EPA.
(2) MFL = Million fibers/liter
(3) MCL has not been established for this chemical.
(4) See section 19-13-B102(1)(6) Contact Conn. Dept. Heath Services, Water Supplies 860-509-7333

(5) If gross alpha is over 5pCi/l, test for radium 226. If radium 226 is over 3pCi/l, test for radium 228.

(6) Man-made radioactivity test only required for bottlers using surface water (reservoirs).