National Testing Laboratories, Ltd.
Quality Water Analysis

Corporate Headquarters
6571 Wilson Mills Road
Cleveland, Ohio 44143

Phone: 800-458-3330

This report package contains 45 pages

This package contains reports from the following laboratories:

- National Testing Laboratories, Ltd. (9 pages)
- Pace Analytical Services, Inc.- Minneapolis, MN (8 pages)
- Pace Analytical Services, Inc.-Greensburg, PA (1 page)
- 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: 0055

National Testing Laboratories, Ltd

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

ANALYTICAL REPORTS

SAMPLE CODE: 413863

1/12/2021

Customer: Dakota Splash
Jeff Palmer
3601 N 1st Avenue
Sioux Falls, SD 57104

Source: Sioux Falls Municipal Water
Source Type: Municipal Water
Brand Name: Dakota Splash/Pure Water
Production Code: 31422
Container Size: 1 Gallon

Date/Time Received: 12/10/2020 09:30
Collected by: J. Palmer

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

Legend:

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

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

"NA" Not Analyzed

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

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

"DF" This column indicates the contaminant dilution factor.

Report Notes:

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

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
					Inorganic Analytes - Metals					
1002	Aluminum	200.7	0.2	mg/L	0.05	ND	1	12/14/2020 16:20		1/5/2021
1074	Antimony	200.8	0.006	mg/L	0.003	ND	1	12/14/2020 16:20		1/5/2021
1005	Arsenic	200.8	0.010	mg/L	0.002	ND	1	12/14/2020 16:20		1/5/2021
1010	Barium	200.7	2	mg/L	0.10	ND	1	12/14/2020 16:20		1/5/2021
1075	Beryllium	200.7	0.004	mg/L	0.001	ND	1	12/14/2020 16:20		1/5/2021
1079	Boron	200.7	--	mg/L	0.10	ND	1	12/14/2020 16:20		1/5/2021
1015	Cadmium	200.7	0.005	mg/L	0.001	ND	1	12/14/2020 16:20		1/5/2021
1016	Calcium	200.7	--	mg/L	2.0	ND	1	12/14/2020 16:20		1/5/2021
1020	Chromium	200.7	0.100	mg/L	0.007	ND	1	12/14/2020 16:20		1/5/2021
1022	Copper	200.7	1.0	mg/L	0.002	ND	1	12/14/2020 16:20		1/5/2021
1028	Iron	200.7	0.3	mg/L	0.020	ND	1	12/14/2020 16:20		1/5/2021
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	12/14/2020 16:20		1/5/2021
1031	Magnesium	200.7	--	mg/L	0.10	ND	1	12/14/2020 16:20		1/5/2021
1032	Manganese	200.7	0.05	mg/L	0.004	ND	1	12/14/2020 16:20		1/5/2021
1035	Mercury	200.8	0.002	mg/L	0.0002	ND	1	12/14/2020 16:20		1/5/2021
1036	Nickel	200.7	--	mg/L	0.005	ND	1	12/14/2020 16:20		1/5/2021
1042	Potassium	200.7	--	mg/L	1.0	ND	1	12/14/2020 16:20		1/5/2021
1045	Selenium	200.8	0.05	mg/L	0.002	ND	1	12/14/2020 16:20		1/5/2021
1049	Silica	200.7	--	mg/L	0.05	0.21	1	12/14/2020 16:20		1/5/2021

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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	12/14/2020 16:20		1/5/2021
1052	Sodium	200.7	--	mg/L	1	1		1	12/14/2020 16:20		1/5/2021
1085	Thallium	200.8	0.002	mg/L	0.001	ND		1	12/14/2020 16:20		1/5/2021
4009	Uranium	200.8	0.030	mg/L	0.001	ND		1	12/14/2020 16:20		1/5/2021
1095	Zinc	200.7	5.000	mg/L	0.004	ND		1	12/14/2020 16:20		1/5/2021
					Physical Factors						
1927	Alkalinity (Total as CaCO3)	2320B	--	mg/L	20	ND		1	12/14/2020 16:20		12/18/2020
1905	Apparent Color	2120B	15	CU	3	ND		1	12/14/2020 16:20		12/14/2020 18:25
1910	Corrosivity	2330B	--	SI		-5.28	R2	1	12/14/2020 16:20		1/5/2021
2905	Foaming Agents	5540C	0.5	mg/L	0.1	ND		1	12/14/2020 16:20		12/16/2020 15:00
					MBAS, calculated as Linear Alkylate Sulfonate (LAS), mol wt of 342.4 g/mole						
1915	Hardness (as CaCO3)	2340C	--	mg/L	10	ND		1	12/14/2020 16:20		1/8/2021
1920	Odor Threshold	2150B	3	ton	1	ND		1	12/14/2020 16:20		12/14/2020 17:00
1925	pH	150.1	5-7	pH Units		6.6		1	12/14/2020 16:20		12/14/2020 17:20
4254	pH Temperature	150.1	--	Deg, C		21		1	12/14/2020 16:20		12/14/2020 17:20
1930	Total Dissolved Solids	2540C	500	mg/L	5	ND		1	12/14/2020 16:20		12/17/2020
0100	Turbidity	2130B	1	NTU	0.1	ND		1	12/14/2020 16:20		12/14/2020 18:00
					Inorganic Analytes - Other						
1011	Bromate	300.1	0.010	mg/L	0.005	ND		1	12/14/2020 16:20		12/16/2020
1004	Bromide	300.1	--	mg/L	0.005	ND		1	12/14/2020 16:20		12/16/2020
1006	Chloramine as Cl2	4500Cl-G	4.0	mg/L	0.05	ND		1	12/14/2020 16:20		12/14/2020 19:07
1017	Chloride	300.0	250	mg/L	1.0	ND		1	12/14/2020 16:20		12/15/2020 14:20
1012	Chlorine as Cl2	4500Cl-G	4.0	mg/L	0.05	ND		1	12/14/2020 16:20		12/14/2020 19:04
1008	Chlorine Dioxide as Cl02	4500Cl02D	0.8	mg/L	0.1	ND		1	12/14/2020 16:20		12/14/2020 19:11
1009	Chlorite	300.1	1.0	mg/L	0.005	ND		1	12/14/2020 16:20		12/16/2020
1025	Fluoride	300.0	4.0	mg/L	0.10	ND		1	12/14/2020 16:20		12/15/2020 14:20
1040	Nitrate as N	300.0	10	mg/L	0.05	ND		1	12/14/2020 16:20		12/15/2020 14:20
1041	Nitrite as N	300.0	1	mg/L	0.05	ND		1	12/14/2020 16:20		12/15/2020 14:20
1044	Ortho Phosphate	300.0	--	mg/L	2.0	ND		1	12/14/2020 16:20		12/15/2020 14:20
1055	Sulfate	300.0	250	mg/L	5.0	ND		1	12/14/2020 16:20		12/15/2020 14:20
					Organic Analytes - Trihalomethanes						
2943	Bromodichloromethane	524.2 THMs	--	mg/L	0.0005	0.0019		1	12/14/2020 16:20		12/15/2020
2942	Bromoform	524.2 THMs	--	mg/L	0.0005	ND		1	12/14/2020 16:20		12/15/2020
2941	Chloroform	524.2 THMs	--	mg/L	0.0005	0.0028		1	12/14/2020 16:20		12/15/2020
2944	Dibromochloromethane	524.2 THMs	--	mg/L	0.0005	0.0009		1	12/14/2020 16:20		12/15/2020
2950	Total THMs	524.2 THMs	0.080	mg/L	0.0005	0.0056		1	12/14/2020 16:20		12/15/2020
					Organic Analytes - Haloacetic Acids						
2454	Dibromoacetic Acid	552.2 HAAs	--	ug/L	1.0	ND		1	12/14/2020 16:20	12/18/2020	12/22/2020

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2451	Dichloroacetic Acid	552.2 HAAs	--	ug/L	1.0	ND	1	12/14/2020 16:20	12/18/2020	12/22/2020
2453	Monobromoacetic Acid	552.2 HAAs	--	ug/L	1.0	ND	1	12/14/2020 16:20	12/18/2020	12/22/2020
2450	Monochloroacetic Acid	552.2 HAAs	--	ug/L	1.0	ND	1	12/14/2020 16:20	12/18/2020	12/22/2020
2452	Trichloroacetic Acid	552.2 HAAs	--	ug/L	1.0	ND	1	12/14/2020 16:20	12/18/2020	12/22/2020
2456	Total HAAs	552.2 HAAs	60	ug/L	1.0	ND	1	12/14/2020 16:20	12/18/2020	12/22/2020
	Organic Analytes - Volatiles									
2986	1,1,1,2-Tetrachloroethane	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2981	1,1,1-Trichloroethane	524.2	0.2	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2988	1,1,2,2-Tetrachloroethane	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2985	1,1,2-Trichloroethane	524.2	0.005	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2978	1,1-Dichloroethane	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2977	1,1-Dichloroethene	524.2	0.007	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2410	1,1-Dichloropropene	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2420	1,2,3-Trichlorobenzene	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2414	1,2,3-Trichloropropane	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2378	1,2,4-Trichlorobenzene	524.2	0.07	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2418	1,2,4-Trimethylbenzene	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2968	1,2-Dichlorobenzene	524.2	0.6	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2980	1,2-Dichloroethane	524.2	0.005	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2983	1,2-Dichloropropane	524.2	0.005	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2424	1,3,5-Trimethylbenzene	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2967	1,3-Dichlorobenzene	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2412	1,3-Dichloropropane	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2969	1,4-Dichlorobenzene	524.2	0.075	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2416	2,2-Dichloropropane	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2965	2-Chlorotoluene	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2966	4-Chlorotoluene	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2030	4-Isopropyltoluene	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2990	Benzene	524.2	0.005	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2993	Bromobenzene	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2430	Bromochloromethane	524.2	--	mg/L	0.0005	0.0006	1	12/14/2020 16:20		12/15/2020
2214	Bromomethane	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2982	Carbon Tetrachloride	524.2	0.005	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2989	Chlorobenzene	524.2	0.1	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2216	Chloroethane	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2210	Chloromethane	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2380	cis-1,2-Dichloroethene	524.2	0.07	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2228	cis-1,3-Dichloropropene	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2408	Dibromomethane	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020
2212	Dichlorodifluoromethane	524.2	--	mg/L	0.0005	ND	1	12/14/2020 16:20		12/15/2020

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ANALYTICAL REPORTS

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2964	Dichloromethane	524.2	0.005	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2992	Ethylbenzene	524.2	0.7	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2246	Hexachlorobutadiene	524.2	--	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2994	Isopropylbenzene	524.2	--	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2251	Methyl Tert Butyl Ether	524.2	--	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2247	Methyl-Ethyl Ketone	524.2	--	mg/L	0.005	ND	R2	1	12/14/2020	16:20		12/15/2020
2248	Naphthalene	524.2	--	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2422	n-Butylbenzene	524.2	--	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2997	o-Xylene	524.2	--	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2963	p and m-Xylenes	524.2	--	mg/L	0.0010	ND		1	12/14/2020	16:20		12/15/2020
	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	12/14/2020	16:20		12/15/2020
2428	sec-Butylbenzene	524.2	--	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2996	Styrene	524.2	0.1	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2426	tert-Butylbenzene	524.2	--	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2987	Tetrachloroethene	524.2	0.005	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2991	Toluene	524.2	1	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2979	trans-1,2-Dichloroethene	524.2	0.1	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2224	trans-1,3-Dichloropropene	524.2	--	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2984	Trichloroethene	524.2	0.005	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2218	Trichlorofluoromethane	524.2	--	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2904	Trichlorotrifluoroethane	524.2	--	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2976	Vinyl Chloride	524.2	0.002	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
2955	Xylenes (Total)	524.2	10	mg/L	0.0005	ND		1	12/14/2020	16:20		12/15/2020
	Organic Analytes - Others											
2931	1,2-Dibromo-3-chloropropane	504.1	0.0002	mg/L	0.00001	ND		1	12/14/2020	16:20	12/17/2020	12/17/2020
2946	1,2-Dibromoethane	504.1	0.00005	mg/L	0.00001	ND		1	12/14/2020	16:20	12/17/2020	12/17/2020
2105	2,4-D	515.4	70	ug/L	0.1	ND		1	12/14/2020	16:20	12/15/2020	12/18/2020
2066	3-Hydroxycarbofuran	531.2	--	ug/L	1.0	ND		1	12/14/2020	16:20		1/5/2021
2051	Alachlor	525.2	2	ug/L	0.2	ND		1	12/14/2020	16:20	12/17/2020	1/7/2021
2047	Aldicarb	531.2	7	ug/L	1.0	ND		1	12/14/2020	16:20		1/5/2021
2044	Aldicarb sulfone	531.2	7	ug/L	1.0	ND		1	12/14/2020	16:20		1/5/2021
2043	Aldicarb sulfoxide	531.2	7	ug/L	1.0	ND		1	12/14/2020	16:20		1/5/2021
2356	Aldrin	505	--	mg/L	0.00007	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020
2050	Atrazine	525.2	3	ug/L	0.1	ND		1	12/14/2020	16:20	12/17/2020	1/7/2021
2625	Bentazon	515.4	--	ug/L	1	ND		1	12/14/2020	16:20	12/15/2020	12/18/2020
2306	Benzo(A)pyrene	525.2	0.2	ug/L	0.1	ND		1	12/14/2020	16:20	12/17/2020	1/7/2021
2076	Butachlor	525.2	--	ug/L	0.2	ND		1	12/14/2020	16:20	12/17/2020	1/7/2021
2021	Carbaryl	531.2	--	ug/L	1.0	ND		1	12/14/2020	16:20		1/5/2021
2046	Carbofuran	531.2	40	ug/L	1.0	ND		1	12/14/2020	16:20		1/5/2021
2959	Chlordane	505	0.002	mg/L	0.0001	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020

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2031	Dalapon	515.4	200	ug/L	1	ND		1	12/14/2020	16:20	12/15/2020	12/18/2020
2035	Di(2-ethylhexyl) adipate	525.2	400	ug/L	0.2	ND		1	12/14/2020	16:20	12/17/2020	1/7/2021
2039	Di(2-ethylhexyl) phthalate	525.2	6	ug/L	0.6	ND		1	12/14/2020	16:20	12/17/2020	1/7/2021
2440	Dicamba	515.4	--	ug/L	1	ND		1	12/14/2020	16:20	12/15/2020	12/18/2020
2933	Dichloran	505	--	mg/L	0.001	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020
2070	Dieldrin	505	--	mg/L	0.00002	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020
2041	Dinoseb	515.4	7	ug/L	0.2	ND		1	12/14/2020	16:20	12/15/2020	12/18/2020
2032	Diquat	549.2	20	ug/L	0.4	ND		1	12/14/2020	16:20	12/18/2020	12/31/2020
2033	Endothall	548.1	100	ug/L	9	ND		1	12/14/2020	16:20	12/21/2020	12/28/2020
2005	Endrin	505	0.002	mg/L	0.00001	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020
2034	Glyphosate	547	700	ug/L	6	ND		1	12/14/2020	16:20		12/15/2020
2065	Heptachlor	505	0.0004	mg/L	0.00001	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020
2067	Heptachlor Epoxide	505	0.0002	mg/L	0.00001	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020
2274	Hexachlorobenzene	505	0.001	mg/L	0.0001	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020
2042	Hexachlorocyclopentadiene	505	0.05	mg/L	0.0001	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020
2010	Lindane	505	0.0002	mg/L	0.00002	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020
2022	Methomyl	531.2	--	ug/L	1.0	ND		1	12/14/2020	16:20		1/5/2021
2015	Methoxychlor	505	0.04	mg/L	0.0001	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020
2045	Metolachlor	525.2	--	ug/L	0.2	ND		1	12/14/2020	16:20	12/17/2020	1/7/2021
2595	Metribuzin	525.2	--	ug/L	0.2	ND		1	12/14/2020	16:20	12/17/2020	1/7/2021
2626	Molinate	525.2	--	ug/L	0.2	ND		1	12/14/2020	16:20	12/17/2020	1/7/2021
2036	Oxamyl	531.2	200	ug/L	1.0	ND		1	12/14/2020	16:20		1/5/2021
2934	Pentachloronitrobenzene	505	--	mg/L	0.0001	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020
2326	Pentachlorophenol	515.4	1	ug/L	0.04	ND		1	12/14/2020	16:20	12/15/2020	12/18/2020
2040	Picloram	515.4	500	ug/L	0.1	ND		1	12/14/2020	16:20	12/15/2020	12/18/2020
2077	Propachlor	525.2	--	ug/L	0.2	ND		1	12/14/2020	16:20	12/17/2020	1/7/2021
2110	Silvex 2,4,5-TP	515.4	50	ug/L	0.2	ND		1	12/14/2020	16:20	12/15/2020	12/18/2020
2037	Simazine	525.2	4	ug/L	0.1	ND		1	12/14/2020	16:20	12/17/2020	1/7/2021
2627	Thiobencarb	525.2	--	ug/L	0.2	ND		1	12/14/2020	16:20	12/17/2020	1/7/2021
2383	Total PCBs	505	0.0005	mg/L	0.0005	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020
2910	Total Phenols	420.4	--	mg/L	0.001	ND	R2	1	12/14/2020	16:20		12/16/2020
2020	Toxaphene	505	0.003	mg/L	0.001	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020
2055	Trifluralin	505	--	mg/L	0.001	ND		1	12/14/2020	16:20	12/21/2020	12/21/2020

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: 413863

1/12/2021

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

Analyst	Tests
AC	200.7,2330B
ZSC	200.8
PC	2320B,2120B,5540C,2340C,2150B,150.1,2130B
CF	2540C
SG	300.1,300.0
DHG	4500Cl-G,4500Cl02D,420.4
SB	524.2 THMs,524.2,531.2,549.2,547
JPT	552.2 HAAs,504.1,515.4,505
JF	525.2,548.1

Christine MacMillan, Technical Director

Laboratory ID: 0055

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

ANALYTICAL REPORTS

SAMPLE CODE: 413862

12/17/2020

Customer: Dakota Splash
Jeff Palmer
3601 N 1st Avenue
Sioux Falls, SD 57104

Source: Sioux Falls Municipal Water
Source Type: Municipal Water
Brand Name: Dakota Splash/Pure Water
Production Code: 31422
Container Size: 1 Gallon

Date/Time Received: 12/10/2020 09:30
Collected by: J. Palmer

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	12/14/2020 16:20		12/14/2020 18:30
3001	Standard Plate Count	9215B	500	CFU/ml	1	<1	1	12/14/2020 16:20		12/14/2020 18:09
				Pour Plate Method, 35°C/48hr, Plate Count Agar						
3000	Total Coliform	9223B	1	MPN/100 mL	1	ND	1	12/14/2020 16:20		12/14/2020 18:30

Analyst	Tests
GK	9223B,9215B

Sarah Buchanan

Sarah Buchanan, Project Manager

Laboratory ID: 0055

National Testing Laboratories, Ltd

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

ANALYTICAL REPORTS

SAMPLE CODE: 413864

12/30/2020

Customer: Dakota Splash
Jeff Palmer
3601 N 1st Avenue
Sioux Falls, SD 57104

Source: Sioux Falls Municipal Water
Source Type: Municipal Water
Brand Name: Dakota Splash/Pure Water
Production Code: 31422
Container Size: 1 Gallon

Date/Time Received: 12/10/2020 09:30
Collected by: J. Palmer

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						
3000	Total Coliform by P/A	9223B	--	P/A	--	--		1	12/14/2020 16:20		12/14/2020 17:53
					Total Coliform and E.coli were ABSENT in this sample.						
					USP XXIII						
1003	Ammonia (as NH3)	USP XXIII	--	Pass/Fail		Pass	R2	1	12/14/2020 16:20		12/15/2020
1016	Calcium	USP XXIII	--	Pass/Fail		Pass	R2	1	12/14/2020 16:20		12/15/2020
1901	Carbon Dioxide (Free CO2)	USP XXIII	--	Pass/Fail		Pass	R2	1	12/14/2020 16:20		12/15/2020
1017	Chloride	USP XXIII	--	Pass/Fail		Fail	R2	1	12/14/2020 16:20		12/15/2020
	Heavy Metals (USP)	USP XXIII	--	Pass/Fail		Pass	R2	1	12/14/2020 16:20		12/15/2020
	Oxidizables (USP)	USP XXIII	--	Pass/Fail		Pass	R2	1	12/14/2020 16:20		12/15/2020
1925	pH	USP XXIII	--	pH Units		6.6	R2	1	12/14/2020 16:20		12/14/2020 17:20
1055	Sulfate	USP XXIII	--	Pass/Fail		Pass	R2	1	12/14/2020 16:20		12/15/2020
	Total Solids	USP XXIII	10	mg/L	10	ND	R2	1	12/14/2020 16:20		12/17/2020

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: 413864

12/30/2020

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

Analyst	Tests
GK	9223B
DHG	USP XXIII
PC	USP XXIII
CF	USP XXIII

Christine MacMillan, Technical Director

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

www.pacelabs.com

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:

Enclosed are analytical results of one drinking water sample analyzed for 2,3,7,8-TCDD content. This sample was analyzed according to Method 1613B by High Resolution Gas Chromatography/High Resolution Mass Spectrometry.The results reported for this sample and the associated quality control samples were all within the criteria described in Method 1613B. Pace does not hold South Dakota certification analysis was completed upon client approval.

Pace Project Number:
10543299

Report Prepared Date:
January 4, 2021

Finished Product

Sample ID: 413863
Source Name: Sioux Falls Municipal Water
Source Location: Sioux Falls, SD
PWS ID: N/A
Date & Time Opened: 12/28/2020 @ 18:00
Opened By: NN
Laboratory Sample ID: 10543299001
Date Sampled: 12/28/2020 @ 18:00
Date Received: 12/23/2020 @ 09:45

This report has been reviewed by:

Joanne Richardson

January 04, 2021
Joanne Richardson,
(612) 607-6453
(612) 607-6444 (fax)

NELAP ACCREDITED TNI LABORATORY

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
Michigan	9909	West Virginia-D	382
Minnesota	027-053-137	West Virginia-D	9952C
Minnesota-Ag	via MN 027-053	Wisconsin	999407970
Minnesota-Petr	1240	Wyoming-UST	via A2LA 2926.

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

Report No....10543299_1613DW_DFR

National Testing Laboratories, Ltd.

Quality Water Analysis

CHAIN OF CUSTODY

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

WO# : 10543299

10543299

SAMPLE #	COLLECTION DATE	COLLECTION TIME	SAMPLE SITE DESCRIPTION	SAMPLE TYPE	# OF CONTAINERS	TEST(S) REQUESTED PER SAMPLE (X)	LAB #
413867	—	—	2160641	D	4	X	
413922	—	—	2160640	D	4	X	
413863	—	—	2164188	D	1	X	001

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 12/17/20	TIME 1600	RECEIVED BY: (Signature) (5)	DATE	TIME
RECEIVED BY: (Signature) (3) TMC Face	DATE 12/23/20	TIME 9:45	RELINQUISHED BY: (Signature) (6)	DATE	TIME
			RECEIVED BY: (Signature) (7)	DATE	TIME

LABORATORY COMMENTS:

COC.001 2.22.11

See instructions on reverse side →

National Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

Beverage - Finished Product

Order Number: 2164188 413863
Order Date: 11/19/2020
Sample Number:
Product: FDABASE GDR

Paid: No **Method:** Purchase Order **P.O.:** Sioux Falls, SD

TSR: SBW

Sioux Falls SD 57104

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

Date Opened: ___/___/___ **Time Opened:** ___:___

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

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

PWS ID# (if applicable):

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Other:

Source Name: Sioux Falls Municipal Water
(Source Information is REQUIRED for All Finished Products)

City & State: Sioux Falls SD 57104
(If Different than Above)

Product Collected By: [signature]
(Signature)

Product Collected By: Jeff Palmer
(Please Print)

Brand Name/Product Type: Dakota Splash / Pure Water
e.g. XYZ Spring Water or XYZ Distilled Water

Container Size: 1gal - Quantity 6

Production Code/Lot Number: 31422

Form Completed By: Jeff Palmer

Additional Comments: Lot code = 314- Bottled on the 314th day of 2020
22 - Expiration Date 2 years

For Laboratory Use ONLY

Lab Accounting Information:

Payment $: _____

Check #: _____

Lab Comments/Special Instructions:

2020 Purified Product Annual

[signature]

State Forms:

Lab Sample Information:

Date Received: 12/10/20

Time Received: 09:30

Received By: LB

Date Opened: ___/___/___

Time Opened: ___:___

Opened By: _____

☑ Sample receipt criteria checked & acceptable.

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

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

Penn. PWS ID#:

Location:

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 Labs **Project #:** **WO#: 10543299**

PM: JMR **Due Date: 01/05/21**

CLIENT: NTL

Courier: ☐Fed Ex ☑UPS ☐USPS ☐Client ☐Pace ☐SpeeDee ☐Commercial

Tracking Number: 1ZA1V9310175313058 **See Exceptions** ☐ ENV-FRM-MIN4-0141

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 ☑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 **Average Corrected Temp (no temp blank only):** 17.0 °C ☑See Exceptions ENV-FRM-MIN4-0142 ☐1 Container

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

USDA Regulated Soil: (☑N/A, water sample/Other: _____) **Date/Initials of Person Examining Contents:** TMC 12.23.20

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

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? -Pace Containers Used?	☑Yes ☑Yes	☐No ☐No		8.
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? Matrix: ☑Water ☐Soil ☐Oil ☐Other	☑Yes	☐No		11. **If no, write ID/ Date/Time on Container Below:** See Exception ☐ ENV-FRM-MIN4-0142
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: Finished product temperature not applicable.

Project Manager Review: _____ **Date:** 12-23-20

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: TMC (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 #: 10543299

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.

No ice

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

No Temp Blank		
Read Temp	Corrected Temp	Average Temp
16.8	16.7	17.0
16.8	16.7	
17.4	17.3	
17.4	17.3	

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
1700 Elm Street
Minneapolis MN 55414
Tel 612-607-1700
Fax 612-607-6444

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

Sample ID.....413863 Date Collected.....12/28/2020 Spike.....200 pg
Client..... National Testing Laborato Date Received.....12/23/2020 IS Spike.....2000 pg
Lab Sample ID.....10543299001 Date Extracted.....12/29/2020 CS Spike.....200 pg

	Sample 413863	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	--	--	118%	118%
pg Recovered	--	--	236pg/L	235pg/L
Spike Recovery Limit	--	--	73-146%	73-146%
RPD				0.3%
IS Recovery	**68%**	77%	75%	62%
pg Recovered	1357 pg/L	1548 pg/L	1500 pg/L	1238 pg/L
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	**63%**	88%	77%	65%
pg Recovered	127 pg/L	177 pg/L	154 pg/L	131 pg/L
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	E201231B_08	E201230C_08	E201230C_06	E201230C_07
Analysis Date	12/31/2020	12/30/2020	12/30/2020	12/30/2020
Analysis Time	20:48	23:02	21:59	22:31
Analyst	SM	SM	SM	SM
Volume	1.007L	1.019L	1.010L	1.022L
Dilution	NA	NA	NA	NA
ICAL Date	12/20/2020	12/20/2020	12/20/2020	12/20/2020
CCAL Filename	E201231B_02	E201230C_05	E201230C_05	E201230C_05

! = 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.....10543299

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2164188
Pace Project No.: 30397660

Sample: 413863 **Lab ID: 30397660001** Collected: 12/18/20 14:00 Received: 12/18/20 14:00 Matrix: Drinking Water
PWS: Site ID: Sample Type:

Comments:
- Finished Water, Sioux Falls Municipal Water, Sioux Falls, SD
- Dakota Splash/Pure Water, Cont. Size: 1 Gal, Prod Code: 31422
- Sample opened on 12/18/20 @ 14:00 by A Flock
- Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH <2 for radiochemistry analysis. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Gross Alpha	EPA 900.0	**0.044 ± 0.558 (1.51) C:NA T:NA**	pCi/L	01/04/21 07:43	12587-46-1	
Gross Beta	EPA 900.0	**0.446 ± 0.819 (1.87) C:NA T:NA**	pCi/L	01/04/21 07:43	12587-47-2	
		Pace Analytical Services - Greensburg				
Radium-226	EPA 903.1	**0.223 ± 0.409 (0.731) C:NA T:82%**	pCi/L	01/06/21 12:22	13982-63-3	
		Pace Analytical Services - Greensburg				
Radium-228	EPA 904.0	**0.286 ± 0.340 (0.725) C:80% T:85%**	pCi/L	12/30/20 14:13	15262-20-1	
		Pace Analytical Services - Greensburg				
Total Radium	Total Radium Calculation	**0.509 ± 0.749 (1.46)**	pCi/L	01/06/21 14:32	7440-14-4	

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: 506335
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
4797510	413863/2164188	335.4	12/14/20 16:20	Client	12/16/20 08:30

Report Summary

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.

Note: This report may not be reproduced, except in full, without written approval from EEA.

Caleb Hunsberger ASM — 12/22/2020

Authorized Signature — Title — Date

Client Name: National Testing Laboratories
Report #: 506335

Client Name: National Testing Laboratories

Report #: 506335

Sampling Point: 413863/2164188

PWS ID: Not Supplied

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
57-12-5	Cyanide, Total	335.4	0.1 &	0.02	< 0.02	mg/L	12/17/20 13:03	12/17/20 15:27	4797510

† 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.

ANALYTICAL REPORT

Lab Number:	L2056308
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:	12/30/20

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: L2056308
Report Date: 12/30/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2056308-01	413865	DW	2164188	12/14/20 16:20	12/16/20
L2056308-02	413865-FB	DW	2164188	12/14/20 16:20	12/16/20

Project Name:	Not Specified	**Lab Number:**	L2056308
Project Number:	Not Specified	**Report Date:**	12/30/20

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	**Lab Number:**	L2056308
Project Number:	Not Specified	**Report Date:**	12/30/20

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: Susan E O'Neil Susan O' Neil

Title: Technical Director/Representative Date: 12/30/20

ORGANICS

SEMIVOLATILES

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2056308
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056308-01
Client ID: 413865
Sample Location: 2164188

Date Collected: 12/14/20 16:20
Date Received: 12/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Dw
Analytical Method: 133,537.1
Analytical Date: 12/29/20 11:44
Analyst: LV

Extraction Method: EPA 537.1
Extraction Date: 12/28/20 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab						
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.08	0.295	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.08	0.273	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	4.15	0.469	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.08	0.270	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.08	0.498	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	2.08	0.074	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.08	0.648	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.08	0.494	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.08	0.511	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.08	0.669	1
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	2.08	0.286	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.08	0.623	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.08	0.444	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.08	0.581	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.08	0.673	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	2.08	0.218	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.08	0.527	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.08	0.448	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	98		70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	91		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	90		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2056308
Report Date: 12/30/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 133,537.1
Analytical Date: 12/29/20 11:00
Analyst: LV

Extraction Method: EPA 537.1
Extraction Date: 12/28/20 12:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab for sample(s): 01 Batch: WG1449395-1					
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)	102		70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	106		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	101		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2056308
Report Date: 12/30/20

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: WG1449395-2								
Perfluorobutanesulfonic Acid (PFBS)	106		-		70-130	-		30
Perfluorohexanoic Acid (PFHxA)	85		-		70-130	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	85		-		70-130	-		30
Perfluoroheptanoic Acid (PFHpA)	87		-		70-130	-		30
Perfluorohexanesulfonic Acid (PFHxS)	98		-		70-130	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	86		-		70-130	-		30
Perfluorooctanoic Acid (PFOA)	93		-		70-130	-		30
Perfluorononanoic Acid (PFNA)	93		-		70-130	-		30
Perfluorooctanesulfonic Acid (PFOS)	96		-		70-130	-		30
Perfluorodecanoic Acid (PFDA)	82		-		70-130	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	88		-		70-130	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	99		-		70-130	-		30
Perfluoroundecanoic Acid (PFUnA)	96		-		70-130	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	111		-		70-130	-		30
Perfluorododecanoic Acid (PFDoA)	101		-		70-130	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	114		-		70-130	-		30
Perfluorotridecanoic Acid (PFTrDA)	98		-		70-130	-		30
Perfluorotetradecanoic Acid (PFTA)	105		-		70-130	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2056308
Report Date: 12/30/20

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: WG1449395-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	80				70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	81				70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	84				70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	95				70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2056308

Report Date: 12/30/20

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: WG1449395-4			QC Sample: L2056272-01			Client ID: MS Sample			
Perfluorobutanesulfonic Acid (PFBS)	3.20	131	162	121		-	-		70-130	-		30
Perfluorohexanoic Acid (PFHxA)	ND	148	150	102		-	-		70-130	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	148	147	100		-	-		70-130	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	148	153	104		-	-		70-130	-		30
Perfluorohexanesulfonic Acid (PFHxS)	1.40J	135	145	108		-	-		70-130	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	139	137	98		-	-		70-130	-		30
Perfluorooctanoic Acid (PFOA)	1.58J	148	167	113		-	-		70-130	-		30
Perfluorononanoic Acid (PFNA)	ND	148	144	98		-	-		70-130	-		30
Perfluorooctanesulfonic Acid (PFOS)	1.58J	137	130	95		-	-		70-130	-		30
Perfluorodecanoic Acid (PFDA)	ND	148	130	88		-	-		70-130	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	138	134	97		-	-		70-130	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	148	138	94		-	-		70-130	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	148	146	99		-	-		70-130	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	148	136	92		-	-		70-130	-		30
Perfluorododecanoic Acid (PFDoA)	ND	148	141	96		-	-		70-130	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	139	142	102		-	-		70-130	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	148	146	99		-	-		70-130	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	148	155	105		-	-		70-130	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2056308

Report Date: 12/30/20

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: WG1449395-4			QC Sample: L2056272-01			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)	95				70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	87				70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	92				70-130
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	97				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2056308
Report Date: 12/30/20

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: WG1449395-5 QC Sample: L2056308-01 Client ID: 413865						
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Hexafluoropropylene Oxide Dimer 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

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2056308
Report Date: 12/30/20

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: WG1449395-5 QC Sample: L2056308-01 Client ID: 413865

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	98		97		70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	91		98		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	90		92		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		81		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2056308
Report Date: 12/30/20

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(*)
L2056308-01A	2 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.7	Y	Absent		A2-537.1(14)
L2056308-01B	2 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.7	Y	Absent		A2-537.1(14)
L2056308-02A	2 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.7	Y	Absent		A2-L-EXT-537(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number:

Lab Number: L2056308
Report Date: 12/30/20

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: L2056308
Report Date: 12/30/20

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:**	L2056308
Project Number:	Not Specified	**Report Date:**	12/30/20

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:**	L2056308
Project Number:	Not Specified	**Report Date:**	12/30/20

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: L2056308
Report Date: 12/30/20

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

12/16/20

L2056703

CHAIN OF CUSTODY

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 (15 List) w/ blanks to be run if sample has hits	LAB #
413865	12/14/20	1620	2164188	D	4	X X X	

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

		DATE	TIME
SAMPLED BY (Signature) (1)			
SHIPPED BY (Signature) (2)		12/15/20	1600
RECEIVED BY: (Signature) (3)		12/16/20	1100
RELINQUISHED BY (Signature) (4)		12/16/20	1500
RECEIVED BY: (Signature) (5)		12/16/20	1500
RELINQUISHED BY: (Signature) (6)		12/16/20	1614
RECEIVED BY: (Signature) (7)		12/16/20	1614

LABORATORY COMMENTS:

COC 401 2.22.11

See instructions on reverse side →

National Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

Beverage - Finished Product

Order Number: 2164188 413865
Order Date: 11/19/2020
Sample Number:
Product: PFAS 18
Paid: No Method: Purchase Order P.O.: Sioux Falls, SD
TSR: SBW

Sioux Falls SD 57104

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

Date Opened: ____/____/____ **Time Opened:** _____:_____
Please Use Military Time. e.g. 3:00pm = 15:00

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

PWS ID# (if applicable):

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Other:

Source Name: Sioux Falls Municipal Water
(Source Information is REQUIRED for All Finished Products)

City & State: Sioux Falls SD 57104
(If Different than Above)

Product Collected By: [signature]
(Signature)

Product Collected By: Jeff Palmer
(Please Print)

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

Container Size: 1 gal - 6 per Package

Production Code/Lot Number: 31422

Form Completed By: Jeff Palmer

Additional Comments: Lot Code = 314 - Bottled on 314th Day of 2020
- 22 - Expiration Date

For Laboratory Use ONLY

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

Lab Comments/Special Instructions:
2020 Purified Product Annual

State Forms:

Lab Sample Information:
Date Received: 12,10,20
Time Received: 09:30
Received By: LB
Date Opened: 12,14,2020
Time Opened: 11a:20
Opened By: C. Brown

☑ Sample receipt criteria checked & acceptable.
☐ Deviations from acceptable sample receipt criteria noted on PSA form

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

Penn. PWS ID#:
Location:

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