National Testing Laboratories, Ltd.
Quality Water Analysis

Corporate Headquarters
6571 Wilson Mills Road
Cleveland, Ohio 44143

Phone: 800-458-3330

This report package contains 19 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. (1 page)

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

NELAP ACCREDITED TNI LABORATORY

Laboratory ID: 2568

National Testing Laboratories, Ltd

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

ANALYTICAL REPORTS

SAMPLE CODE: 433009

7/31/2022

Customer: Castle Rock Water Company
Kit Marshall
4121 Dunsmuir Avenue
Dunsmuir, CA 96025

Source: Shasta Springs
Source City: Dunsmuir
Source State: CA
Sample Temperature: 17.2 C
Field pH: 7.3
PWS ID#: 4710002

Date/Time Received: 6/28/2022 09:46
Collected by: D. Della Bona

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	6/27/2022 13:30		7/25/2022
1074	Antimony	200.8	0.006	mg/L	0.003	ND	1	6/27/2022 13:30		7/9/2022
1005	Arsenic	200.8	0.010	mg/L	0.002	ND	1	6/27/2022 13:30		7/9/2022
1010	Barium	200.7	2	mg/L	0.10	ND	1	6/27/2022 13:30		7/25/2022
1075	Beryllium	200.7	0.004	mg/L	0.001	ND	1	6/27/2022 13:30		7/25/2022
1079	Boron	200.7	--	mg/L	0.10	ND	1	6/27/2022 13:30		7/25/2022
1015	Cadmium	200.7	0.005	mg/L	0.001	ND	1	6/27/2022 13:30		7/25/2022
1016	Calcium	200.7	--	mg/L	2.0	10.0	1	6/27/2022 13:30		7/25/2022
1020	Chromium	200.7	0.100	mg/L	0.007	ND	1	6/27/2022 13:30		7/25/2022
1022	Copper	200.7	1.0	mg/L	0.002	ND	1	6/27/2022 13:30		7/25/2022
1028	Iron	200.7	0.3	mg/L	0.020	ND	1	6/27/2022 13:30		7/25/2022
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	6/27/2022 13:30		7/9/2022
1031	Magnesium	200.7	--	mg/L	0.10	5.00	1	6/27/2022 13:30		7/25/2022
1032	Manganese	200.7	0.05	mg/L	0.004	ND	1	6/27/2022 13:30		7/25/2022
1035	Mercury	200.8	0.002	mg/L	0.0002	ND	1	6/27/2022 13:30		7/13/2022
1036	Nickel	200.7	--	mg/L	0.005	ND	1	6/27/2022 13:30		7/25/2022
1042	Potassium	200.7	--	mg/L	1.0	2.2	1	6/27/2022 13:30		7/25/2022
1045	Selenium	200.8	0.05	mg/L	0.002	ND	1	6/27/2022 13:30		7/9/2022
1049	Silica	200.7	--	mg/L	0.05	46.00	1	6/27/2022 13:30		7/25/2022

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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	6/27/2022	13:30		7/25/2022	
1052	Sodium	200.7	--	mg/L	1	7		1	6/27/2022	13:30		7/25/2022	
1085	Thallium	200.8	0.002	mg/L	0.001	ND		1	6/27/2022	13:30		7/9/2022	
4009	Uranium	200.8	0.030	mg/L	0.001	ND		1	6/27/2022	13:30		7/9/2022	
1095	Zinc	200.7	5.000	mg/L	0.004	ND		1	6/27/2022	13:30		7/25/2022	
						Physical Factors							
1927	Alkalinity (Total as CaCO3)	2320B	--	mg/L	20	58		1	6/27/2022	13:30		6/29/2022	
1905	Apparent Color	2120B	15	CU	3	ND		1	6/27/2022	13:30		6/29/2022	09:10
1928	Bicarbonate (as CaCO3)	2320B	--	mg/L	20	58		1	6/27/2022	13:30		6/29/2022	
1929	Carbonate (as CaCO3)	2320B	--	mg/L	20	ND		1	6/27/2022	13:30		6/29/2022	
1910	Corrosivity	2330B	--	SI		-2.29	R2	1	6/27/2022	13:30		7/25/2022	
2905	Foaming Agents	5540C	0.5	mg/L	0.1	ND		1	6/27/2022	13:30		6/29/2022	09:25
	MBAS, calculated as Linear Alkylate Sulfonate (LAS), mol wt of 342.4 g/mole												
1915	Hardness	2340B	--	mg/L	5.0	46		1	6/27/2022	13:30		7/25/2022	
1021	Hydroxide (as CaCO3)	2320B	--	mg/L	20	ND		1	6/27/2022	13:30		6/29/2022	
1920	Odor Threshold	2150B	3	ton	1	ND		1	6/27/2022	13:30		6/28/2022	13:15
1925	pH	150.1	6.5-8.5	pH Units		6.3*		1	6/27/2022	13:30		6/29/2022	08:50
4254	pH Temperature	150.1	--	Deg, C		21		1	6/27/2022	13:30		6/29/2022	08:50
1064	Specific Cond. @ 25 deg. C	2510B	--	umhos/cm	1	130		1	6/27/2022	13:30		6/30/2022	
1930	Total Dissolved Solids	2540C	500	mg/L	5	88		1	6/27/2022	13:30		6/28/2022	
0100	Turbidity	2130B	1	NTU	0.1	ND		1	6/27/2022	13:30		6/29/2022	08:55
						Inorganic Analytes - Other							
1004	Bromide	300.1	--	mg/L	0.005	0.010		1	6/27/2022	13:30		6/29/2022	
1017	Chloride	300.0	250	mg/L	1.0	2.9		1	6/27/2022	13:30		6/28/2022	14:16
1025	Fluoride	300.0	4.0	mg/L	0.10	ND		1	6/27/2022	13:30		6/28/2022	14:16
1040	Nitrate as N	300.0	10	mg/L	0.05	0.20		1	6/27/2022	13:30		6/28/2022	14:16
1041	Nitrite as N	300.0	1	mg/L	0.05	ND		1	6/27/2022	13:30		6/28/2022	14:16
1044	Ortho Phosphate	300.0	--	mg/L	2.0	ND		1	6/27/2022	13:30		6/28/2022	14:16
1055	Sulfate	300.0	250	mg/L	5.0	ND		1	6/27/2022	13:30		6/28/2022	14:16
						Organic Analytes - Trihalomethanes							
2943	Bromodichloromethane	524.2 THMs	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022	
2942	Bromoform	524.2 THMs	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022	
2941	Chloroform	524.2 THMs	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022	
2944	Dibromochloromethane	524.2 THMs	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022	
2950	Total THMs	524.2 THMs	0.080	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022	
						Organic Analytes - Volatiles							
2986	1,1,1,2-Tetrachloroethane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022	
2981	1,1,1-Trichloroethane	524.2	0.2	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022	

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2988	1,1,2,2-Tetrachloroethane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2985	1,1,2-Trichloroethane	524.2	0.005	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2978	1,1-Dichloroethane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2977	1,1-Dichloroethene	524.2	0.007	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2410	1,1-Dichloropropene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2420	1,2,3-Trichlorobenzene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2414	1,2,3-Trichloropropane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2378	1,2,4-Trichlorobenzene	524.2	0.07	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2418	1,2,4-Trimethylbenzene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2968	1,2-Dichlorobenzene	524.2	0.6	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2980	1,2-Dichloroethane	524.2	0.005	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2983	1,2-Dichloropropane	524.2	0.005	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2424	1,3,5-Trimethylbenzene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2967	1,3-Dichlorobenzene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2412	1,3-Dichloropropane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2969	1,4-Dichlorobenzene	524.2	0.075	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2416	2,2-Dichloropropane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2965	2-Chlorotoluene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2966	4-Chlorotoluene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2030	4-Isopropyltoluene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2990	Benzene	524.2	0.005	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2993	Bromobenzene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2430	Bromochloromethane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2214	Bromomethane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2982	Carbon Tetrachloride	524.2	0.005	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2989	Chlorobenzene	524.2	0.1	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2216	Chloroethane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2210	Chloromethane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2380	cis-1,2-Dichloroethene	524.2	0.07	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2228	cis-1,3-Dichloropropene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2408	Dibromomethane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2212	Dichlorodifluoromethane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2964	Dichloromethane	524.2	0.005	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2992	Ethylbenzene	524.2	0.7	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2246	Hexachlorobutadiene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2994	Isopropylbenzene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2251	Methyl Tert Butyl Ether	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2247	Methyl-Ethyl Ketone	524.2	--	mg/L	0.005	ND	R2	1	6/27/2022	13:30		7/6/2022
2248	Naphthalene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2422	n-Butylbenzene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2997	o-Xylene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022

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7/31/2022

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	6/27/2022	13:30		7/6/2022
	Due to the limitation of EPA Method 524.2, p and m isomers of Xylene are reported as aggregate.											
2998	Propylbenzene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2428	sec-Butylbenzene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2996	Styrene	524.2	0.1	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2426	tert-Butylbenzene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2987	Tetrachloroethene	524.2	0.005	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2991	Toluene	524.2	1	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2979	trans-1,2-Dichloroethene	524.2	0.1	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2224	trans-1,3-Dichloropropene	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2984	Trichloroethene	524.2	0.005	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2218	Trichlorofluoromethane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2904	Trichlorotrifluoroethane	524.2	--	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2976	Vinyl Chloride	524.2	0.002	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
2955	Xylenes (Total)	524.2	10	mg/L	0.0005	ND		1	6/27/2022	13:30		7/6/2022
	Organic Analytes - Others											
2931	1,2-Dibromo-3-chloropropane	504.1	0.0002	mg/L	0.00001	ND		1	6/27/2022	13:30	6/30/2022	6/30/2022
2946	1,2-Dibromoethane	504.1	0.00005	mg/L	0.00001	ND		1	6/27/2022	13:30	6/30/2022	6/30/2022
2105	2,4-D	515.4	70	ug/L	0.1	ND	Q3	1	6/27/2022	13:30	7/21/2022	7/28/2022
2066	3-Hydroxycarbofuran	531.2	--	ug/L	1.0	ND		1	6/27/2022	13:30		7/19/2022
2051	Alachlor	525.2	2	ug/L	0.2	ND		1	6/27/2022	13:30	7/6/2022	7/25/2022
2047	Aldicarb	531.2	7	ug/L	1.0	ND		1	6/27/2022	13:30		7/19/2022
2044	Aldicarb sulfone	531.2	7	ug/L	1.0	ND		1	6/27/2022	13:30		7/19/2022
2043	Aldicarb sulfoxide	531.2	7	ug/L	1.0	ND		1	6/27/2022	13:30		7/19/2022
2356	Aldrin	505	--	mg/L	0.00007	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2050	Atrazine	525.2	3	ug/L	0.1	ND		1	6/27/2022	13:30	7/6/2022	7/25/2022
2625	Bentazon	515.4	--	ug/L	1	ND	Q3	1	6/27/2022	13:30	7/21/2022	7/28/2022
2306	Benzo(A)pyrene	525.2	0.2	ug/L	0.02	ND		1	6/27/2022	13:30	7/6/2022	7/25/2022
2076	Butachlor	525.2	--	ug/L	0.2	ND		1	6/27/2022	13:30	7/6/2022	7/25/2022
2021	Carbaryl	531.2	--	ug/L	1.0	ND		1	6/27/2022	13:30		7/19/2022
2046	Carbofuran	531.2	40	ug/L	1.0	ND		1	6/27/2022	13:30		7/19/2022
2959	Chlordane	505	0.002	mg/L	0.0001	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2031	Dalapon	515.4	200	ug/L	1	ND	Q3	1	6/27/2022	13:30	7/21/2022	7/28/2022
2035	Di(2-ethylhexyl) adipate	525.2	400	ug/L	0.2	ND		1	6/27/2022	13:30	7/6/2022	7/25/2022
2039	Di(2-ethylhexyl) phthalate	525.2	6	ug/L	0.6	ND		1	6/27/2022	13:30	7/6/2022	7/25/2022
2440	Dicamba	515.4	--	ug/L	1	ND	Q3	1	6/27/2022	13:30	7/21/2022	7/28/2022
2933	Dichloran	505	--	mg/L	0.001	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2070	Dieldrin	505	--	mg/L	0.00002	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2041	Dinoseb	515.4	7	ug/L	0.2	ND	Q3	1	6/27/2022	13:30	7/21/2022	7/28/2022
2032	Diquat	549.2	20	ug/L	0.4	ND		1	6/27/2022	13:30	7/1/2022	7/5/2022
2033	Endothall	548.1	100	ug/L	9	ND		1	6/27/2022	13:30	7/1/2022	7/11/2022

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2005	Endrin	505	0.002	mg/L	0.00001	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2034	Glyphosate	547	700	ug/L	6	ND		1	6/27/2022	13:30		6/29/2022
2065	Heptachlor	505	0.0004	mg/L	0.00001	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2067	Heptachlor Epoxide	505	0.0002	mg/L	0.00001	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2274	Hexachlorobenzene	505	0.001	mg/L	0.0001	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2042	Hexachlorocyclopentadiene	505	0.05	mg/L	0.0001	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2010	Lindane	505	0.0002	mg/L	0.00002	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2022	Methomyl	531.2	--	ug/L	1.0	ND		1	6/27/2022	13:30		7/19/2022
2015	Methoxychlor	505	0.04	mg/L	0.0001	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2045	Metolachlor	525.2	--	ug/L	0.2	ND		1	6/27/2022	13:30	7/6/2022	7/25/2022
2595	Metribuzin	525.2	--	ug/L	0.2	ND		1	6/27/2022	13:30	7/6/2022	7/25/2022
2626	Molinate	525.2	--	ug/L	0.2	ND		1	6/27/2022	13:30	7/6/2022	7/25/2022
2036	Oxamyl	531.2	200	ug/L	1.0	ND		1	6/27/2022	13:30		7/19/2022
2934	Pentachloronitrobenzene	505	--	mg/L	0.0001	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2326	Pentachlorophenol	515.4	1	ug/L	0.04	ND	Q3	1	6/27/2022	13:30	7/21/2022	7/28/2022
2040	Picloram	515.4	500	ug/L	0.1	ND	Q3	1	6/27/2022	13:30	7/21/2022	7/28/2022
2077	Propachlor	525.2	--	ug/L	0.2	ND		1	6/27/2022	13:30	7/6/2022	7/25/2022
2110	Silvex 2,4,5-TP	515.4	50	ug/L	0.2	ND	Q3	1	6/27/2022	13:30	7/21/2022	7/28/2022
2037	Simazine	525.2	4	ug/L	0.07	ND		1	6/27/2022	13:30	7/6/2022	7/25/2022
2627	Thiobencarb	525.2	--	ug/L	0.2	ND		1	6/27/2022	13:30	7/6/2022	7/25/2022
2383	Total PCBs	505	0.0005	mg/L	0.0005	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2910	Total Phenols	420.4	--	mg/L	0.001	ND	R2	1	6/27/2022	13:30		7/7/2022
2020	Toxaphene	505	0.003	mg/L	0.001	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022
2055	Trifluralin	505	--	mg/L	0.001	ND		1	6/27/2022	13:30	6/29/2022	6/29/2022

Qualifiers:

R2: The laboratory is not licensed for this parameter. The reported result cannot be used for compliance purposes.
Q3: Sample extracted beyond the accepted extraction holding time.

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

ANALYTICAL REPORTS

SAMPLE CODE: 433009

7/31/2022

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

Christine MacMillan, Technical Director

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

Laboratory ID: 2568

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

ANALYTICAL REPORTS

SAMPLE CODE: 433008

7/6/2022

Customer: Castle Rock Water Company
Kit Marshall
4121 Dunsmuir Avenue
Dunsmuir, CA 96025

Source: Shasta Springs
Source City: Dunsmuir
Source State: CA
Sample Temperature: 17.2
Field pH: 7.3
PWS ID#: 4710002

Date/Time Received: 6/28/2022 09:46
Collected by: D. Della Bona

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	6/27/2022 13:30		6/28/2022 13:21
3001	Standard Plate Count	9215B	500	CFU/ml	1	<1	1	6/27/2022 13:30		6/28/2022 13:07
				Pour Plate Method, 35°C/48hr, Plate Count Agar						
3000	Total Coliform	9223B	1	MPN/100 mL	1	ND	1	6/27/2022 13:30		6/28/2022 13:21

Analyst	Tests
GK	9223B,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:

Enclosed are analytical results of one drinking water sample analyzed for 2,3,7,8-TCDD content. This sample was analyzed according to Method 1613B by High Resolution Gas Chromatography/High Resolution Mass Spectrometry.

The results reported for this sample and the associated quality control samples were all within the criteria described in Method 1613B. If you have any questions or concerns regarding these results, please contact Joanne Richardson, your Pace Project Manager.

Pace Project Number:
10615315

Report Prepared Date:
July 15, 2022

Product Source

Sample ID: 433009
Source Name: Shasta Springs
Source Location: Dunsmuir, CA
PWS ID: N/A
Laboratory Sample ID: 10615315001-R
Date Sampled: 06/27/2022 @ 10:30
Date Received: 07/01/2022 @ 09:15

This report has been reviewed by:

July 15, 2022
Kirsten Hogberg, Project Manager
(612) 607-6407
(612) 607-6444 (fax)
kirsten.hogberg@pacelabs.com

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
		Missouri	10100
A2LA	2926.01	Montana	CERT0092
Alabama	40770	Nebraska	NE-OS-18-06
Alaska-DW	MN00064	Nevada	MN00064
Alaska-UST	17-009	New Hampshire	2081
Arizona	AZ0014	New Jersey	MN002
Arkansas - WW	88-0680	New York	11647
Arkansas-DW	MN00064	North Carolina-	27700
California	2929	North Carolina-	530
Colorado	MN00064	North Dakota	R-036
Connecticut	PH-0256	Ohio-DW	41244
Florida	E87605	Ohio-VAP (170	CL101
Georgia	959	Ohio-VAP (180	CL110
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 = Isotope ratio out of specification

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.....10615315_1613DW_DFR

National Testing Laboratories, Ltd.
Quality Water Analysis

CHAIN OF

WO# : 10615315

10615315

Page 1 of 1

Initiated by: ☐ Client ☑ Nati

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	Dioxin	LAB #
432802	6/24/22	1000	Z195788	D	2	X	
433009	6/27/22	1030	Z196809	D	2	X	001

TEST(S) REQUESTED PER SAMPLE (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)	6/29/22	1610
RECEIVED BY: (Signature) (3)	DATE	TIME

RELINQUISHED BY: (Signature)	DATE	TIME
(4)		
RECEIVED BY: (Signature) (5)	07/01/22	9:15
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 - Source Water

Order Number: 2196809
Order Date: 6/9/2022
Sample Number: 433009
Product: FDABASE GX
Paid: No **Method:** **P.O.:**
TSR: SBW

Dunsmuir CA 96025

Date Sampled : 6/27/22
Time Sampled: 10 :30 Please Use Military Time, e.g. 3:00pm = 15:00
Check Time Zone: ☐ EST ☐ CST ☐ MST ☒ PST

Source Water Information:

PWS ID# (if applicable): 4710002
Source Name: Shasta Springs
City & State: Dunsmuir CA 96202
(If Different than Above)
Sample Collected By: [signature]
(Signature)
Sample Collected By: Dennis Della Bona
(Please Print)
Sample Temperature: 17.2°C **Field pH:** 7.3.
Measured at Source By: Dennis Della Bona
Form Completed By: Dennis Della Bona
Additional Comments:

For Laboratory Use ONLY

Lab Accounting Information:

Lab Comments/Special Instructions:

2022 Spring Source

Dioxin

State Forms:

Lab Sample Information:
Date Received: 6/28/22
Time Received: 09:46
Received By: CB
☐ 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**

DC#_Title: ENV-FRM-MIN4-0150 v05_Sample Condition Upon Receipt (SCUR)

Effective Date: 04/12/2022

Sample Condition Upon Receipt

Client Name: National Testing Laboratories, Ltd.

Project #:

WO# : 10615315

PM: JMR **Due Date: 07/13/22**

CLIENT: NTL

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

Tracking Number: 12 A1V 931 01 7519 5310

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:_____ **Temp Blank?** ☐Yes ☐No

Thermometer: ☐T1(0461) ☐T2(1336) ☐T3(0459) ☑T4(0254) ☐T5(0489) ☐T6(0235) ☐T7 (0042) ☐01339252/1710 ☐122639816 ☐140792808

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

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

Average Corrected Temp (no temp blank only): 4.1 °C

☑See Exceptions ENV-FRM-MIN4-0142 ☐1 Container

USDA Regulated Soil: (☑N/A, water sample/Other:_____) **Date/Initials of Person Examining Contents:** KM 07/01/22

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 ENV-FRM-MIN4-0154 and include with SCUR/COC paperwork.

Location (check one): ☐ Duluth ☑ Minneapolis ☐ Virginia

				COMMENTS:
Chain of Custody Present and Filled Out?	☑Yes	☐No		1.
Chain of Custody Relinquished?	☑Yes	☐No		2.
Sampler Name and/or Signature on COC?	☑Yes	☐No	☐N/A	3.
Samples Arrived within Hold Time?	☑Yes	☐No		4. If Fecal: ☐<8 hrs ☐>8hr, <24 hrs, ☐>24 hrs
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
Headspace in Methyl Mercury Container?	☐Yes	☐No	☑N/A	
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: Jonnie Richardson **Date:** 7-1-22

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: _____

Pace ANALYTICAL SERVICES	**DC#_Title: ENV-FRM-MIN4-0142 v01_Sample Condition Upon Receipt (SCUR) Exception Form**
	Effective Date: 02/25/2022

SCUR Exceptions:

Workorder #: 10615315

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
3.9		9.1
9.3	TRUE	
9.3		
9.3		

Tracking Number/Temperature	

Issue Type:

Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

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

Comments:

Qualtrax ID: 52763

PaceAnalyticalServices,LLC.
1700ElmStreet
Minneapolis,MN,55414

Tel612-607-1700
Fax612-607-6444

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

Sample ID.....433009 Date Collected.....06/27/2022 Spike.....200 pg
Client..... National Testing Laborato Date Received.....07/01/2022 IS Spike.....2000 pg
Lab Sample ID..... 10615315001-R Date Extracted.....07/13/2022 CS Spike.....200 pg

	Sample 433009	Method Blank	Lab Spike	Lab Spike Dup
[2,3,7,8-TCDD]	**ND**	ND	--	--
LOQ	5.0 pg/L	5.0 pg/L	--	--
2,3,7,8-TCDD Recovery	--	--	102%	111%
pg Recovered	--	--	205pg/L	221pg/L
Spike Recovery Limit	--	--	73-146%	73-146%
RPD				7.6%
IS Recovery	**47%**	85%	73%	89%
pg Recovered	931 pg/L	1702 pg/L	1450 pg/L	1780 pg/L
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	**92%**	111%	100%	107%
pg Recovered	184 pg/L	221 pg/L	199 pg/L	215 pg/L
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	E220715A_09	E220715A_07	E220715A_05	E220715A_06
Analysis Date	07/15/2022	07/15/2022	07/15/2022	07/15/2022
Analysis Time	09:53	08:45	07:37	08:11
Analyst	SM	SM	SM	SM
Volume	1.027L	1.016L	1.010L	1.024L
Dilution	NA	NA	NA	NA
ICAL Date	11/30/2021	11/30/2021	11/30/2021	11/30/2021
CCAL Filename	E220715A_04	E220715A_04	E220715A_04	E220715A_04

! = Outside the Control Limits
ND = Not Detected
LOQ = Limit of Quantitation
Limits = Control Limits from Method 1613 (10/94 Revision), Tables 6A and 7A
RPD = Relative Percent Difference of Lab Spike Recoveries
IS = Internal Standard [2,3,7,8-TCDD- $^{13}C_{12}$]
CS = Cleanup Standard [2,3,7,8-TCDD- $^{37}Cl_4$]

Analyst: 

Project No.....10615315

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2196809
Pace Project No.: 30501507

Sample: 433009 **Lab ID: 30501507001** Collected: 06/27/22 10:30 Received: 06/29/22 09:10 Matrix: Drinking Water
PWS: Site ID: Sample Type:

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

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Radon	SM 7500RnB-07	**1,155 ± 73.6 (63.1) C:NA T:NA**	pCi/L	07/01/22 00:51	10043-92-2	

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:	042215135
Customer ID:	NTLI78
Customer PO:	14630
Project ID:	

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

Proj:

Phone:	(440) 449-2525
Fax:	(Ema) il -only
Received:	06/29/2022
Analyzed:	07/18/2022

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

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
							MFL (million fibers per liter)		
433009 042215135-0001	6/29/2022 01:04 PM	100	1357	0.0762	None Detected	ND	0.18	<0.18	0.00 - 0.66

Collection Date/Time: *06/27/2022 10:30 AM*

Bottle supplied by client.

Analyst(s)
Seri Smith (1)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

Any questions please contact Samantha Rundstrom-Cruz.

Initial report from: 07/18/2022 09:43:20

Client: National Testing Laboratories, Ltd
Job ID: 810-29179-1
Project/Site: 432987-89,433009,433011,433015,433013

Client Sample ID: 433009/2196809
Lab Sample ID: 810-29179-4
Date Collected: 06/27/22 10:30
Matrix: Bottled Water
Date Received: 06/30/22 10:00

5

Method: 331.0 - Perchlorate (LC/MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.050		0.050		ug/L			07/02/22 05:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.020		0.020		mg/L		07/05/22 11:41	07/05/22 16:07	1