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This report package contains 21 pages

This package contains reports from the following laboratories:

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

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



National Testing Laboratories, Ltd

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

ANALYTICAL REPORTS

SAMPLE CODE: 394888

7/26/2019

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

Source: Shasta Spring
Source Type: Spring Water
Brand Name: Castle Rock Carbonated Spring Water
Production Code: 5/22/19 CRV CO2
Container Size: 1 Liter

Date/Time Received: 6/12/2019 09:20

Collected by: N. Mori

The results herein conform to TNI and ISO/IEC 17025:2005 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. Additional water received on 7/23/2019 at 09:25.

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		6/17/2019 13:20		7/13/2019
1074	Antimony	200.8	0.006	mg/L	0.003	ND		6/17/2019 13:20		6/24/2019
1005	Arsenic	200.8	0.010	mg/L	0.002	ND		6/17/2019 13:20		6/24/2019
1010	Barium	200.7	2	mg/L	0.10	ND		6/17/2019 13:20		7/13/2019
1075	Beryllium	200.7	0.004	mg/L	0.001	ND		6/17/2019 13:20		7/13/2019
1079	Boron	200.7		mg/L	0.10	ND		6/17/2019 13:20		7/13/2019
1015	Cadmium	200.7	0.005	mg/L	0.001	ND		6/17/2019 13:20		7/13/2019
1016	Calcium	200.7		mg/L	2.0	10.0		6/17/2019 13:20		7/13/2019
1020	Chromium	200.7	0.100	mg/L	0.007	ND		6/17/2019 13:20		7/13/2019
1022	Copper	200.7	1.0	mg/L	0.002	0.002		6/17/2019 13:20		7/13/2019
1028	Iron	200.7	0.3	mg/L	0.020	ND		6/17/2019 13:20		7/13/2019
1030	Lead	200.8	0.015	mg/L	0.001	ND		6/17/2019 13:20		6/24/2019
1031	Magnesium	200.7		mg/L	0.10	4.70		6/17/2019 13:20		7/13/2019
1032	Manganese	200.7	0.05	mg/L	0.004	ND		6/17/2019 13:20		7/13/2019
1035	Mercury	200.8	0.002	mg/L	0.0002	ND		6/17/2019 13:20		6/24/2019
1036	Nickel	200.7		mg/L	0.005	ND		6/17/2019 13:20		7/13/2019
1042	Potassium	200.7		mg/L	1.0	1.9		6/17/2019 13:20		7/13/2019
1045	Selenium	200.8	0.05	mg/L	0.002	ND		6/17/2019 13:20		6/24/2019

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ANALYTICAL REPORTS

SAMPLE CODE: 394888

7/26/2019

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date Sampled	Date Prepped	Date Analyzed
1049	Silica	200.7		mg/L	0.05	44.00		6/17/2019 13:20		7/13/2019
1050	Silver	200.7	0.10	mg/L	0.002	ND		6/17/2019 13:20		7/13/2019
1052	Sodium	200.7		mg/L		6		6/17/2019 13:20		7/13/2019
1085	Thallium	200.8	0.002	mg/L	0.001	ND		6/17/2019 13:20		6/24/2019
4009	Uranium	200.8	0.030	mg/L	0.001	ND		6/17/2019 13:20		6/24/2019
1095	Zinc	200.7	5.000	mg/L	0.004	ND		6/17/2019 13:20		7/13/2019
Physical Factors										
1927	Alkalinity (Total as CaCO3)	2320B		mg/L	20	58		6/17/2019 13:20		6/28/2019
1905	Apparent Color	2120B	15	CU	3	ND		6/17/2019 13:20		6/17/2019 17:10
1928	Bicarbonate (as CaCO3)	2320B		mg/L	20	58		6/17/2019 13:20		6/28/2019
1929	Carbonate (as CaCO3)	2320B		mg/L	20	ND		6/17/2019 13:20		6/28/2019
1910	Corrosivity	2330B		SI		-3.91	R2	6/17/2019 13:20		6/29/2019
2905	Foaming Agents	5540C	0.5	mg/L	0.1	ND		6/17/2019 13:20		6/19/2019 12:45
MBAS, calculated as Linear Alkylate Sulfonate (LAS), mol wt of 342.4 g/mole										
1915	Hardness (as CaCO3)	2340C		mg/L	10	40		6/17/2019 13:20		7/11/2019
1021	Hydroxide (as CaCO3)	2320B		mg/L	20	ND		6/17/2019 13:20		6/28/2019
1920	Odor Threshold	2150B	3	ton		ND		6/17/2019 13:20		6/17/2019 16:30
1925	pH	150.1	6.5-8.5	pH Units		4.7*		6/17/2019 13:20		6/17/2019 16:45
4254	pH Temperature	150.1		Deg, C		22		6/17/2019 13:20		6/17/2019 16:45
1064	Specific Cond. @ 25 deg. C	2510B		umhos/cm		130		6/17/2019 13:20		7/3/2019
1930	Total Dissolved Solids	2540C	500	mg/L	5	92		6/17/2019 13:20		6/18/2019
0100	Turbidity	2130B		NTU	0.1	ND		6/17/2019 13:20		6/17/2019 16:55
Inorganic Analytes - Other										
1011	Bromate	300.1	0.010	mg/L	0.005	ND		6/17/2019 13:20		6/19/2019
1004	Bromide	300.1		mg/L	0.005	ND		6/17/2019 13:20		6/19/2019
1006	Chloramine as Cl2	4500Cl-G	4.0	mg/L	0.05	ND		6/17/2019 13:20		6/17/2019 18:24
1017	Chloride	300.0	250	mg/L	1.0	3.0		6/17/2019 13:20		6/18/2019 11:50
1012	Chlorine as Cl2	4500Cl-G	4.0	mg/L	0.05	ND		6/17/2019 13:20		6/17/2019 18:21
1008	Chlorine Dioxide as ClO2	4500ClO2D	0.8	mg/L	0.1	ND		6/17/2019 13:20		6/17/2019 18:39
1009	Chlorite	300.1	1.0	mg/L	0.005	ND		6/17/2019 13:20		6/19/2019
1025	Fluoride	300.0	4.0	mg/L	0.10	ND		6/17/2019 13:20		6/18/2019 11:50
1040	Nitrate as N	300.0	10	mg/L	0.05	0.21		6/17/2019 13:20		6/16/2019 11:50
1041	Nitrite as N	300.0		mg/L	0.05	ND		6/17/2019 13:20		6/18/2019 11:50
1044	Ortho Phosphate	300.0		mg/L	2.0	ND		6/17/2019 13:20		6/18/2019 11:50
1055	Sulfate	300.0	250	mg/L	5.0	ND		6/17/2019 13:20		6/18/2019 11:50
Organic Analytes - Trihalomethanes										
2943	Bromodichloromethane	524.2 THMs		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2942	Bromoform	524.2 THMs		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2941	Chloroform	524.2 THMs		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019

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ANALYTICAL REPORTS

SAMPLE CODE: 394888

7/26/2019

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
2944	Dibromochloromethane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
		THMs								
2950	Total THMs	524.2	0.080	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
		THMs								
Organic Analytes - Haloacetic Acids										
2454	Dibromoacetic Acid	552.2	HAA --	ug/L	1.0	ND		6/17/2019 13:20	6/18/2019	6/28/2019
2451	Dichloroacetic Acid	552.2	HAA --	ug/L	1.0	ND		6/17/2019 13:20	6/18/2019	6/28/2019
2453	Monobromoacetic Acid	552.2	HAA --	ug/L	1.0	ND		6/17/2019 13:20	6/18/2019	6/28/2019
2450	Monochloroacetic Acid	552.2	HAA --	ug/L	1.0	ND		6/17/2019 13:20	6/18/2019	6/28/2019
2452	Trichloroacetic Acid	552.2	HAA --	ug/L	1.0	ND		6/17/2019 13:20	6/18/2019	6/28/2019
2456	Total HAAs	552.2	HAA60	ug/L	1.0	ND		6/17/2019 13:20	6/18/2019	6/28/2019
Organic Analytes - Volatiles										
2986	1,1,1,2-Tetrachloroethane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2981	1,1,1-Trichloroethane	524.2	0.2	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2988	1,1,2,2-Tetrachloroethane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2985	1,1,2-Trichloroethane	524.2	0.005	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2978	1,1-Dichloroethane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2977	1,1-Dichloroethene	524.2	0.007	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2410	1,1-Dichloropropene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2420	1,2,3-Trichlorobenzene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2414	1,2,3-Trichloropropane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2378	1,2,4-Trichlorobenzene	524.2	0.0?	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2418	1,2,4-Trimethylbenzene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2968	1,2-Dichlorobenzene	524.2	0.6	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2980	1,2-Dichloroethane	524.2	0.005	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2983	1,2-Dichloropropane	524.2	0.005	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2424	1,3,5-Trimethylbenzene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2967	1,3-Dichlorobenzene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2412	1,3-Dichloropropane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2969	1,4-Dichlorobenzene	524.2	0.075	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2416	2,2-Dichloropropane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2965	2-Chlorotoluene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2966	4-Chlorotoluene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2030	4-Isopropyltoluene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2990	Benzene	524.2	0.005	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2993	Bromobenzene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2430	Bromochloromethane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2214	Bromomethane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2982	Carbon Tetrachloride	524.2	0.005	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2989	Chlorobenzene	524.2	0.1	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2216	Chloroethane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2210	Chloromethane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019

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ANALYTICAL REPORTS

SAMPLE CODE: 394888

7/26/2019

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Daterrime Sampled	Date Prepped	Date/time Analyzed
2380	cis-1,2-Dichloroethene	524.2	0.07	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2228	cis-1,3-Dichloropropene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2408	Dibromomethane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2212	Dichlorodifluoromethane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2964	Dichloromethane	524.2	0.005	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2992	Ethylbenzene	524.2	0.7	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2246	Hexachlorobutadiene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2994	Isopropylbenzene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2251	Methyl Tert Butyl Ether	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2247	Methyl-Ethyl Ketone	524.2		mg/L	0.005	ND	R2	6/17/2019 13:20		6/22/2019
2248	Naphthalene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2422	n-Butylbenzene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2997	o-Xylene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2963	p and m-Xylenes	524.2		mg/L	0.0010	ND		6/17/2019 13:20		6/22/2019
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		6/17/2019 13:20		6/22/2019
2428	sec-Butylbenzene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2996	Styrene	524.2	0.1	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2426	tert-Butylbenzene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2987	Tetrachloroethene	524.2	0.005	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2991	Toluene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2979	trans-1,2-Dichloroethene	524.2	0.1	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2224	trans-1,3-Dichloropropene	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2984	Trichloroethene	524.2	0.005	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2218	Trichlorofluoromethane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2904	Trichlorotrifluoroethane	524.2		mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2976	Vinyl Chloride	524.2	0.002	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
2955	Xylenes (Total)	524.2	10	mg/L	0.0005	ND		6/17/2019 13:20		6/22/2019
Organic Analytes • Others										
2931	1,2-Dibromo-3-chloropropane	504.1	0.0002	mg/L	0.00001	ND		6/17/2019 13:20	6/19/2019	6/19/2019
2946	1,2-Dibromoethane	504.1	0.00005	mg/L	0.00001	ND		6/17/2019 13:20	6/19/2019	6/19/2019
2105	2,4-D	515.4	70	ug/L	0.1	ND		6/17/2019 13:20	6/20/2019	6/28/2019
2066	3-Hydroxycarbofuran	531.2		ug/L	1.0	ND		6/17/2019 13:20		7/9/2019
2051	Alachlor	525.2	2	ug/L	0.2	ND		6/17/2019 13:20	6/20/2019	7/11/2019
2047	Aldicarb	531.2	7	ug/L	1.0	ND		6/17/2019 13:20		7/9/2019
2044	Aldicarb sulfone	531.2	7	ug/L	1.0	ND		6/17/2019 13:20		7/9/2019
2043	Aldicarb sulfoxide	531.2	7	ug/L	1.0	ND		6/17/2019 13:20		7/9/2019
2356	Aldrin	505		mg/L	0.00007	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2050	Atrazine	525.2	3	ug/L	0.1	ND		6/17/2019 13:20	6/20/2019	7/11/2019
2625	Bentazon	515.4		ug/L		ND		6/17/2019 13:20	6/20/2019	6/28/2019
2306	Benzo(A)pyrene	525.2	0.2	ug/L	0.1	ND		7/23/2019 12:59	7/24/2019	7/25/2019

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ANALYTICAL REPORTS

SAMPLE CODE: 394888

7/26/2019

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	OF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
2076	Butachlor	525.2		ug/L	0.2	ND		6/17/2019 13:20	6/20/2019	7/11/2019
2021	Carbaryl	531.2		ug/L	1.0	ND		6/17/2019 13:20		7/9/2019
2046	Carbofuran	531.2	40	ug/L	1.0	ND		6/17/2019 13:20		7/9/2019
2959	Chlordane	505	0.002	mg/L	0.0001	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2031	Dalapon	515.4	200	ug/L		ND		6/17/2019 13:20	6/20/2019	6/28/2019
2035	Di(2-ethylhexyl) adipate	525.2	400	ug/L	0.2	ND		6/17/2019 13:20	6/20/2019	7/11/2019
2039	Di(2-ethylhexyl) phthalate	525.2	6	ug/L	0.6	ND		7/23/2019 12:59	7/24/2019	7/25/2019
2440	Dicamba	515.4		ug/L		ND		6/17/2019 13:20	6/20/2019	6/28/2019
2933	Dichloran	505		mg/L	0.001	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2070	Dieldrin	505		mg/L	0.00002	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2041	Dinoseb	515.4	7	ug/L	0.2	ND		6/17/2019 13:20	6/20/2019	6/28/2019
2032	Diquat	549.2	20	ug/L	0.4	ND		6/17/2019 13:20	6/21/2019	7/3/2019
2033	Endothall	548.1	100	ug/L	9	ND		6/17/2019 13:20	6/24/2019	7/2/2019
2005	Endrin	505	0.002	mg/L	0.00001	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2034	Glyphosate	547	700	ug/L	6	ND		6/17/2019 13:20		6/24/2019
2065	Heptachlor	505	0.0004	mg/L	0.00001	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2067	Heptachlor Epoxide	505	0.0002	mg/L	0.00001	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2274	Hexachlorobenzene	505	0.001	mg/L	0.0001	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2042	Hexachlorocyclopentadiene	505	0.05	mg/L	0.0001	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2010	Lindane	505	0.0002	mg/L	0.00002	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2022	Methomyl	531.2		ug/L	1.0	ND		6/17/2019 13:20		7/9/2019
2015	Methoxychlor	505	0.04	mg/L	0.0001	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2045	Metolachlor	525.2		ug/L	0.2	ND		6/17/2019 13:20	6/20/2019	7/11/2019
2595	Metribuzin	525.2		ug/L	0.2	ND		6/17/2019 13:20	6/20/2019	7/11/2019
2626	Molinate	525.2		ug/L	0.2	ND		6/17/2019 13:20	6/20/2019	7/11/2019
2036	Oxamyl	531.2	200	ug/L	1.0	ND		6/17/2019 13:20		7/9/2019
2934	Pentachloronitrobenzene	505		mg/L	0.0001	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2326	Pentachlorophenol	515.4		ug/L	0.04	ND		6/17/2019 13:20	6/20/2019	6/28/2019
2040	Picloram	515.4	500	ug/L	0.1	ND		6/17/2019 13:20	6/20/2019	6/28/2019
2077	Propachlor	525.2		ug/L	0.2	ND		6/17/2019 13:20	6/20/2019	7/11/2019
2110	Silvex 2,4,5-TP	515.4	50	ug/L	0.2	ND		6/17/2019 13:20	6/20/2019	6/28/2019
2037	Simazine	525.2	4	ug/L	0.1	ND		6/17/2019 13:20	6/20/2019	7/11/2019
2627	Thiobencarb	525.2		ug/L	0.2	ND		6/17/2019 13:20	6/20/2019	7/11/2019
2383	Total PCBs	505	0.0005	mg/L	0.0005	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2910	Total Phenols	420.4		mg/L	0.001	0.001	R2	6/17/2019 13:20		7/2/2019
2020	Toxaphene	505	0.003	mg/L	0.001	ND		6/17/2019 13:20	6/18/2019	6/19/2019
2055	Trifluralin	505		mg/L	0.001	ND		6/17/2019 13:20	6/18/2019	6/19/2019

Qualifiers:

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

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National Testing Laboratories, Ltd

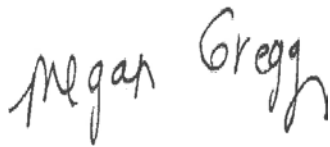
556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 394888

7/26/2019

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



Megan Gregg, Quality System Manager

Analyst	Tests
ZSC	200.7,200.8,2330B
PC	2320B,2120B,5540C,2340C,2150B,150.1,2510B,2130B
CF	2540C
SG	300.1,300.0
DHG	4500CI-G,4500CI02D,420.4
SB	524.2 THMs,552.2 HAAs,524.2,504.1,515.4,531.2,505,549.2,547
JF	525.2,548.1

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National Testing Laboratories, Ltd

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

ANALYTICAL REPORTS

SAMPLE CODE: 394889

6/25/2019

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

Source: Shasta Spring
Source Type: Spring Water
Brand Name: Erewhon Carbonated Spring Water
Production Code: 5/22/19 CRV CO2
Container Size: 1 Liter

Date/Time Received: 6/12/2019 09:20

Collected by: N. Mori

The results herein conform to TNI and ISO/IEC 17025:2005 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	92238		MPN/100 ml	1	ND		6/18/2019 11:19		6/18/2019 12:51
3001	Standard Plate Count	92158	500	CFU/ml	1	<1		6/18/2019 11:19		6/18/2019 12:27
Pour Plate Method, 35°C/48hr, Plate Count Agar										
3000	Total Coliform	92238	1	MPN/100 ml	1	ND		6/18/2019 11:19		6/18/2019 12:51



Analyst	Teo
GK	2238
CF	9215B

Sarah Buchanan, Project Manager

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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:

10480120

Report Prepared Date:

July 1, 2019

Finished Product

Sample ID: 394888
Source Name: Shasta Springs
Source Location: Dunsmuir CA
PWSID: N/A
Date & Time Opened: 06/25/2019 @22:50
Opened By: AN
Laboratory Sample ID: 10480120001
Date Sampled: 06/25/2019 @22:50
Date Received: 06/20/2019 @09:35

This report has been reviewed by:

3 1 ruM

July 01, 2019

Joanne Richardson,
(612) 607-6453
(612) 607-6444 (fax)



Report of Laboratory Analysis

This report should not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

The results relate only to the samples included in this report.



Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Minnesota - Pet	1240
Alabama	40770	Mississippi	MN00064
Alaska - DW	MN00064	Missouri - DW	10100
Alaska - UST	17-009	Montana	CERT0092
Arizona	AZ0014	Nebraska	NE-OS-18-06
Arkansas - DW	MN00064	Nevada	MN00064
Arkansas - WW	88-0680	New Hampshire	2081
CNMI Saipan	MP0003	New Jersey (NE)	MN002
California	2929	New York	11647
Colorado	MN00064	North Carolina	27700
Connecticut	PH-0256	North Carolina -	27700
EPA Region 8+	via MN 027-053	North Carolina -	530
Florida (NELAP)	E87605	North Dakota	R-036
Georgia	959	Ohio- DW	41244
Guam	17-001r	Ohio-VAP	CL101
Hawaii	MN00064	Oklahoma	9507
Idaho	MN00064	Oregon - Primar	MN300001
Illinois	200011	Oregon - Secon	MN200001
Indiana	C-MN-01	Pennsylvania	68-00563
Iowa	368	Puerto Rico	MN00064
Kansas	E-10167	South Carolina	74003
Kentucky - DW	90062	South Dakota	NA
Kentucky - WW	90062	Tennessee	TN02818
Louisiana - DE	03086	Texas	T104704192
Louisiana - DW	MN00064	Utah (NELAP)	MN00064
Maine	MN00064	Virginia	460163
Maryland	322	Washington	C486
Massachusetts	M-MN064	West Virginia -	382
Michigan	9909	West Virginia -	9952C
Minnesota	027-053-137	Wisconsin	999407970
Minnesota - De	via MN 027-053	Wyoming - UST	2926.01

REPORT OF LABORATORY ANALYSIS

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Reporting Flags

A = Reporting Limit based on signal to noise

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 = Interference present

J = Estimated value

L = Suppressive interference, analyte may be biased low

Nn = Value obtained from additional analysis

P = PCDE Interference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %0 Exceeds limits

Y = Calculated using average of daily RFs

* = See Discussion

REPORT OF LABORATORY ANALYSIS

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1-800-458-3330

Beverage .. Finished Product

Order Number: 2133573
 Order Date: 5/29/2019
 Sample Number:
 Product: 50DDBP
 Paid: No Method: P.O.:
 TSR: SBW

3148t>
 111111111m111111

Dunsmuir CA 98025

If final & head product is submitted in the laboratory, complete the following information.

Date Opened: # } Time Opened: : :
Plus U111 Military Time, e.g. 3:00pm = 15:00

Check Time Zone: OEST OCST MST PST

Client Name: _____
 Phone Number: _____

Fax Number: _____

PWS IP# (if applicable): _____
 Source Type: Spring Well Municipal
 Other: _____

Source Name: fi54:Sp ! (JLS...)
(Source Information is RECORDED for AITMD Products)

City & State: _____
(If Different than Above)

Product Collected By: u4cJp (?) P&
(Signature)

Product Collected By: tl .m a,
(Plea Print)

Brand Name/Product Type: ge: r, t, u
e.g. XYZ Spring Water or XYZ Distilled Water

Container Size: I , l,

Production Code/Lot Number: ..S''A...t/Jf 't }

Form Completed By: JJAc/o hlpCft?6 A./

Additional Comment&: _____

For Laboratory Use ONLY

Lib Account Information:
 Payment \$: - - - - -
 Check #: - - - - -

Lab Consultant Special Instructions:
 2019 Sparkling (Carbonated) Product Annual

Sioxin
 State Forms: _____

Lab Sample Information:
 Date received: { μ /Z.. 1 JC,
 Time Received: { / (: : Z-0 —
 Received By: _____
 Date Opened: _____
 Time Opened: _____
 Opened By: _____

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

Water

IF PENNSYLVANIA REPORTING 16 REQUIRED AND YOUR PRODUCT IS GREATER THAN 1.0 LITERS, PLEASE PROVIDE THE FOLLOWING:

Penn. PWSID#: _____

Location: _____

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

	Document Name: Sample Condition Uoon Receipt Form	D.6cumen t Revised: 09Mav2019 Pagel ofl
	Document No.: F-MN-L-213-rev.28	Issuing Authority: Pace Minnesota QualltY Office

Sample Condition
Upon Receipt

Client Name: WESTING L90

Project #

wo1-104s0120

Courier: Fed Ex @S OusPs. client

Pf'l: Jt1R Due Date: 07/01/19

Tracking Number: OPace A:1-vq3,0 J. (12..) 001.

CLIENT: NTL

Custody Seal on Cooler/Box Present? Yes Seals Intact? QY s

Biologi ! Tissue Frozen? Yes No J2fJ/A

Packing Material: Bubble Wrap Bubble Bags None Idether: St.... 1v h? temp Blank? Yes

Thermometer: D T 41054 T2(1336) OT3(0459) Type of Ice: t Os lue t Oorv Melt ed

Note: Each West Virginia Sample must haw temp taken (no temp blanks)

/tO/JeI

Temps. should be above freezing of C	Cooler Temp Read w/ temp blank:	°C	Average Corrected Temp See Exceptions
Correction Factor: <u>0.1</u>	Cooler Temp Corrected w/temp blank:	°C	Qzi.U OC

USDA Regulated Soil: (JaiJ/A, watersample/Other:

Date/Initials of Person Examining Contents: ::Jti/w /1/1

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, . Did samples originate from a foreign source (internationally, Incl:;:dis ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? Yes No Hawaii and Puerto Rico? Yes No

If Yes to either question, fill out ii Reg 1, 1ated Soil Checklist (F-MN-Q-338) and include with SCUR/COE paperwork.

		COMMENTS:
Chain of Custody Present and Filled Out? .	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1.
Chain of Custody Relinquished?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2.
Sampler Name and/or Signature on COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No /A	3.
Samples Arrived Within Hold Time?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E coli <input type="checkbox"/> B00/ceo'o <input type="checkbox"/> He x Chrome <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite/nitrite
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Sufficient Volume?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Correct Containers Used?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8.
Pace Containers Used?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8.
Containers Intact?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	9.
Field Filtered Volume Received for Dimilved-Tests? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA		9.
Is sufficient information available to reconcile the samples to the COC? Matrix: <u>!A Water 0Soft Don Oother</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11. If n-o, write ID/ Date/Time on Container Below: <input type="checkbox"/> see Exception
All containers needing acid/base preservation have been checked?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	12. Sample#
All containers needing preservation are found to be in compliance with EPA recommendation 7 (HN O ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >12 Cyanide)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> NaOH <input type="checkbox"/> OHN03 <input type="checkbox"/> DH2S04 <input type="checkbox"/> OZinc Acetate
Exceptions: VOA, Coliform 011 and Grease, DR0/8015 (water) <u>ane</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	Positive for Res. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Chlorine? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> pH Paper Lot# <input type="checkbox"/> See Exception D
		Res. Chlorine <input type="checkbox"/> 0-6Roll <input type="checkbox"/> 0-6Strip <input type="checkbox"/> 0-14 Strip
Headspace in VOA Vials (greater than 6mm)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA		13. <input type="checkbox"/> see Exception
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	14. Pace Trip Blank Lot# (if purchased):

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____
Comments/Resolution: _____

Date/Time: _____

Note: If there is a discrepancy affect, North Carolina compliance samples are not to be sent to the Cerro Gordo DEHNR Certification Office (i.e. out of state).

Checked by: V



ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2133573
 Pace Project No.: 30300726

Sample: 394888 **Lab ID: 30300726001** Collected: 06/20/19 14:35 Received: 06/20/19 14:35 Matrix: Drinking Water
 PWS: Site ID: Sample Type:

Comments: • FINISHED WATER, Shasta Springs, Dunsmuir CA
 • ERE Whon Carbonated Spring Water, Cont size: 1 Liter, Prod. code: 5/22/19
 • sample opened 6/20/19 @ 14:35 by Emily T
 • Sample collection dates and times were not present on the sample containers.
 • Upon receipt at the laboratory, 2.5 ml 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
Radon	SM 7500RnB-07	-8.5 ± 22.5 (40.1) C:NAT:NA	pCi/L	06/21/19 17:09	10043-92-2	
Gross Alpha	EPA900.0	0.235 ± 0.497 (0.998) C:NAT:NA	pCi/L	06/27/19 18:57	12587-46-1	
Gross Beta	EPA900.0	1.39 ± 0.378 (0.596) C:NAT:NA	pCi/L	06/27/19 18:57	12587-47-2	
Radium-226	EPA 903.1	0.563 ± 0.368 (0.170) C:NAT:87%	pCi/L	07/05/19 14:07	13982-63-3	
Radium-228	EPA904.0	0.273 ± 0.303 (0.641) C:80% T:82%	pCi/L	07/02/19 11:17	15262-20-1	
Total Radium	Total Radium Calculation	0.836 ± 0.671 (0.811)	pCi/L	07/08/19 14:13	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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EMSL Analytical, Inc.

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

EMSL Order ID: 041917258
Customer ID: NTLI78
Customer PO: 14630
Project ID:

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

Phone: (440) 449-2525
Fax: (Ema) ii -only
Received: 06/20/2019
Analyzed: 07/07/2019

Proj: 2133573

Test Report: Determination of Asbestos Structures >10pm 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 (mm')	Area Analyzed (mm')	ASBESTOS				
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
394888 041917258-0001	6/20/2019 10:45AM	100	1360	<u>0.0/0.0</u>	None Detected	ND	0.17	<0.17	0.00- 0.64

Collection Date/Time: 06/12/2019 09:20 AM

Analyst(s)

Wayne Froehlich (1)



Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

Any questions please contact Benjamin Ellis.

Initial report from: 07/07/2019 15:18:11

Sample collection and containers provided by the client, acceptable bottle blank level is defined as .01MFL>10um. NO=None Detected. This report may not be reproduced, except in full, without written permission by EMSL Analytical, Inc. The test results contained within this report meet the requirements of NELAC unless otherwise noted. This report relates only to the samples reported above. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAC NYS ELAP 10872, NJ DEP 03036, FL DOH E87975, PA ID# 68-00367



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

Report: **456063**
 Priority: Standard Written
 Status: Final
 PWSID: **Not Supplied**
 OhioLabID#: 87775

Sample Information					
EEA ID#	Client ID	Method	Collected Date/Time	Collected By:	Received Date/Time
4330928	394888/2133573	335.4	06/20/19 15:50	EEA	06/20/19 10:30
4330929	394888/2133573	331.0	06/20/19 15:50	EEA	06/20/19 10:30


Report Summary

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

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

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

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



 Authorized Signature Title
 Client Name: National Testing Laboratories (Cleveland)
 Report #: 456063

 07/02/2019
 Date

Sampling Point: 394888/2133573

PWS ID: Not Supplied

General Chemistry									
Analyte ID#	Analyte	Method	Reg Limit	MRLt	Result	Units	Preparation Date	Analyzed Date	EEA ID#
14797-73-0	Perchlorate	331.0		0.05	< 0.05	ug/L		06/22/19 06:50	4330929
57-1-5	Cr anid;l, Total	335.4	h 0.1 & "	0.02	< 0.02	mg/L	07/01/19 15:30	07/01/19 17:01	4330928

† 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: A &

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.

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.