

1/22/2021

Real Water Inc.
3208 W. Desert Inn Rd.
Las Vegas, NV 89102
Attn: Blain Jones

OrderID: 20120496
Amended

Dear: Blain Jones

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, online edition, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 12/14/2020. Additional comments are located on page 2 of this report.

This report has been amended to include the EPA drinking water limits presented in a pass/fail format. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,



Cory Baker
QA Specialist



Kat Langford
Project Manager

KatL@wetlaboratory.com
(775) 200-9876

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Western Environmental Testing Laboratory

Report Comments

Real Water Inc. - 20120496 Amended

Specific Report Comments

The analysis of the laboratory method blank revealed concentrations of Antimony above the reporting limit during the analysis of sample 20120496-001. The client results were greater than ten times the blank amount or non-detect, therefore the data was not impacted. We apologize for any inconvenience this may have caused.

Subcontracting Comments

The analyses for Total Trihalomethanes, SOCs, and VOCs were performed by Eurofins/Eaton Analytical of Monrovia, CA. Their report is attached.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Due to the sample matrix dilution was required in order to properly detect and report the analyte. The reporting limit has been adjusted accordingly.
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit. The reported result should be considered an estimate.
- K -- The TPH Diesel Concentration reported here likely includes some heavier TPH Oil hydrocarbons reported in the TPH Diesel range as per EPA 8015.
- L -- The TPH Oil Concentration reported here likely includes some lighter TPH Diesel hydrocarbons reported in the TPH Oil range as per EPA 8015.
- M -- The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of this parameter were outside acceptance criteria due to probable matrix interference. The reported result should be considered an estimate.
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- QD -- The sample duplicate or matrix spike duplicate analysis demonstrated sample imprecision. The reported result should be considered an estimate.
- QL -- The result for the laboratory control sample (LCS) was outside WETLAB acceptance criteria and reanalysis was not possible. The reported data should be considered an estimate.
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered
- U -- The analyte was analyzed for, but was not detected above the level of the reported sample reporting/quantitation limit. The reported result should be considered an estimate.

General Lab Comments

Per method recommendation (section 4.4), Samples analyzed by methods EPA 300.0 and EPA 300.1 have been filtered prior to analysis.

The following is an interpretation of the results from EPA method 9223B:

A result of zero (0) indicates absence for both coliform and Escherichia coli meaning the water meets the microbiological requirements of the U.S. EPA Safe Drinking Water Act (SDWA). A result of one (1) for either test indicates presence and the water does not meet the SDWA requirements. Waters with positive tests should be disinfected by a certified water treatment operator and retested.

Per federal regulation the holding time for the following parameters in aqueous/water samples is 15 minutes: Residual Chlorine, pH, Dissolved Oxygen, Sulfite.

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Analytical Report

Real Water Inc.

3208 W. Desert Inn Rd.

Las Vegas, NV 89102

Attn: Blain Jones

Phone: (702) 310-5437 Fax: NoFax

Date Printed: 1/22/2021

OrderID: 20120496

Amended

Customer Sample ID: 5 gal machine

Collect Date/Time: 12/14/2020 10:15

WETLAB Sample ID: 20120496-001

Receive Date: 12/14/2020 10:45

Analyte	Method	Results	Units	DF	RL	Analyzed	DW MCL	Pass/Fail	LabID
General Chemistry									
True Color	SM 2120B	0.0	Color Units	1		12/15/2020	15 CU	Pass	NV00925
Odor	SM 2150B	0.0	Ton	1		12/14/2020	3.0 Ton	Pass	NV00932
pH	SM 4500-H+ B	8.85	HT pH Units	1		12/15/2020	6.5-8.5 SU	Fail	NV00925
Temperature at pH	SM 2550B	21	°C	1		12/15/2020	NA	NA	NV00925
Surfactant (MBAS)	SM 5540C	ND	mg/L	1	0.10	12/15/2020	0.5 mg/L	Pass	NV00925
Redox Potential	ASTM D1498	-240	mV	1		12/15/2020			NV00925
Total Cyanide	SM 4500CNC	ND	mg/L	1	0.015	12/17/2020	0.2 mg/L	Pass	NV00925
Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L	1	25	12/15/2020	1000 mg/L	Pass	NV00925
Anions by Ion Chromatography									
Chloride	EPA 300.0	1.6	mg/L	1	1.0	12/15/2020	400 mg/L	Pass	NV00925
Fluoride	EPA 300.0	ND	mg/L	1	0.30	12/15/2020	4 mg/L	Pass	NV00925
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.15	12/15/2020	10 mg/L	Pass	NV00925
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.060	12/15/2020	1 mg/L	Pass	NV00925
Sulfate	EPA 300.0	ND	mg/L	1	1.5	12/15/2020	500 mg/L	Pass	NV00925
Nitrate + Nitrite Nitrogen	Calc.	ND	mg/L	1	0.21	12/15/2020	10 mg/L	Pass	NV00925
Trace Metals by ICP-OES									
Aluminum	EPA 200.7	ND	mg/L	1	0.050	12/16/2020	0.2 mg/L	Pass	NV00925
Barium	EPA 200.7	ND	mg/L	1	0.020	12/16/2020	2.0 mg/L	Pass	NV00925
Beryllium	EPA 200.7	ND	mg/L	1	0.0010	12/16/2020	0.004 mg/L	Pass	NV00925
Cadmium	EPA 200.7	ND	mg/L	1	0.0010	12/16/2020	0.005 mg/L	Pass	NV00925
Chromium	EPA 200.7	ND	mg/L	1	0.0050	12/16/2020	0.1 mg/L	Pass	NV00925
Copper	EPA 200.7	ND	mg/L	1	0.040	12/16/2020	1 mg/L	Pass	NV00925
Iron	EPA 200.7	ND	mg/L	1	0.10	12/16/2020	0.6 mg/L	Pass	NV00925
Magnesium	EPA 200.7	ND	mg/L	1	0.50	12/16/2020	150 mg/L	Pass	NV00925
Manganese	EPA 200.7	ND	mg/L	1	0.010	12/16/2020	0.1 mg/L	Pass	NV00925
Nickel	EPA 200.7	ND	mg/L	1	0.030	12/16/2020	NA	NA	NV00925
Silver	EPA 200.7	ND	mg/L	1	0.0050	12/16/2020	0.1 mg/L	Pass	NV00925
Sodium	EPA 200.7	2.1	mg/L	1	1.5	12/16/2020	NA	NA	NV00925
Zinc	EPA 200.7	ND	mg/L	1	0.020	12/16/2020	5 mg/L	Pass	NV00925
Trace Metals by ICP-MS									
Mercury	EPA 200.8	ND	mg/L	1	0.0006	12/17/2020	0.002 mg/L	Pass	NV00925
Antimony	EPA 200.8	ND	B mg/L	1	0.0010	12/17/2020	0.006 mg/L	Pass	NV00925
Arsenic	EPA 200.8	ND	mg/L	1	0.0020	12/17/2020	0.01 mg/L	Pass	NV00925
Lead	EPA 200.8	ND	mg/L	1	0.0010	12/18/2020	.015 mg/L	Pass	NV00925
Selenium	EPA 200.8	ND	mg/L	1	0.0050	12/17/2020	0.05 mg/L	Pass	NV00925
Thallium	EPA 200.8	ND	mg/L	1	0.0010	12/17/2020	0.002 mg/L	Pass	NV00925

DF=Dilution Factor, RL = Reporting Limit (minimum 3X the MDL), ND = Not Detected <RL or <MDL (if listed)

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EPA LAB ID: NV00932

Customer Sample ID: 5 gal machine

Collect Date/Time: 12/14/2020 10:15

WETLAB Sample ID: 20120496-001

Receive Date: 12/14/2020 10:45

Analyte	Method	Results	Units	DF	RL	Analyzed	DW MCL	Pass/Fail	LabID
Sample Preparation									
Drinking Water Prep	N/A	DW201216-1A		1		12/16/2020			NV00925
Subcontracted Analyses									
SOCs phase 2 and 5	N/A	See Attached		1					
VOCs by EPA 524.2	N/A	See Attached		1					
Total Trihalomethanes	N/A	See Attached		1			80 µg/L	Pass	

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QC Report

QCBatchID	QCType	Parameter	Method	Result	Actual	% Rec	Units
QC20120618	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND			mg/L
QC20120620	Blank 1	Surfactant (MBAS)	SM 5540C	ND			mg/L
QC20120646	Blank 1	Chloride	EPA 300.0	ND			mg/L
		Fluoride	EPA 300.0	ND			mg/L
		Nitrate Nitrogen	EPA 300.0	ND			mg/L
		Nitrite Nitrogen	EPA 300.0	ND			mg/L
		Sulfate	EPA 300.0	ND			mg/L
QC20120692	Blank 1	Aluminum	EPA 200.7	ND			mg/L
		Barium	EPA 200.7	ND			mg/L
		Beryllium	EPA 200.7	ND			mg/L
		Cadmium	EPA 200.7	ND			mg/L
		Chromium	EPA 200.7	ND			mg/L
		Copper	EPA 200.7	ND			mg/L
		Iron	EPA 200.7	ND			mg/L
		Magnesium	EPA 200.7	ND			mg/L
		Manganese	EPA 200.7	ND			mg/L
		Nickel	EPA 200.7	ND			mg/L
		Silver	EPA 200.7	ND			mg/L
		Sodium	EPA 200.7	ND			mg/L
		Zinc	EPA 200.7	ND			mg/L
QC20120739	Blank 1	Mercury	EPA 200.8	ND			mg/L
		Antimony	EPA 200.8	0.0019			mg/L
		Arsenic	EPA 200.8	ND			mg/L
		Lead	EPA 200.8	ND			mg/L
		Selenium	EPA 200.8	ND			mg/L
		Thallium	EPA 200.8	ND			mg/L
QC20120759	Blank 1	Total Cyanide	SM 4500CNC	ND			mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Rec	Units
QC20120618	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	151	150	101	mg/L
QC20120618	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	149	150	99	mg/L
QC20120620	LCS 1	Surfactant (MBAS)	SM 5540C	0.447	0.500	89	mg/L
QC20120645	LCS 1	Redox Potential	ASTM D1498	470	475	98	mV
QC20120646	LCS 1	Chloride	EPA 300.0	9.92	10.0	99	mg/L
		Fluoride	EPA 300.0	1.90	2.00	95	mg/L
		Nitrate Nitrogen	EPA 300.0	1.99	2.00	100	mg/L
		Nitrite Nitrogen	EPA 300.0	0.518	0.500	104	mg/L
		Sulfate	EPA 300.0	23.6	25.0	95	mg/L
QC20120648	LCS 1	pH	SM 4500-H+ B	6.97	7.00	100	pH Units
QC20120648	LCS 2	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC20120648	LCS 3	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC20120692	LCS 1	Aluminum	EPA 200.7	0.951	1.00	95	mg/L
		Barium	EPA 200.7	0.941	1.00	94	mg/L
		Beryllium	EPA 200.7	0.952	1.00	95	mg/L
		Cadmium	EPA 200.7	0.934	1.00	93	mg/L
		Chromium	EPA 200.7	0.918	1.00	92	mg/L
		Copper	EPA 200.7	4.69	5.00	94	mg/L
		Iron	EPA 200.7	0.905	1.00	90	mg/L
		Magnesium	EPA 200.7	9.49	10.0	95	mg/L

DF=Dilution Factor, RL = Reporting Limit (minimum 3X the MDL), ND = Not Detected <RL or <MDL (if listed)

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QCBatchID	QCType	Parameter	Method	Result	Actual	% Rec	Units
QC20120739	LCS 1	Manganese	EPA 200.7	0.930	1.00	93	mg/L
		Nickel	EPA 200.7	4.62	5.00	92	mg/L
		Silver	EPA 200.7	0.087	0.090	96	mg/L
		Sodium	EPA 200.7	9.36	10.0	94	mg/L
		Zinc	EPA 200.7	0.938	1.00	94	mg/L
		Mercury	EPA 200.8	0.001124	0.001	112	mg/L
		Antimony	EPA 200.8	0.0107	0.010	107	mg/L
		Arsenic	EPA 200.8	0.0508	0.050	102	mg/L
		Lead	EPA 200.8	0.0101	0.010	101	mg/L
		Selenium	EPA 200.8	0.0533	0.050	106	mg/L
		Thallium	EPA 200.8	0.0100	0.010	100	mg/L
QC20120759	LCS 1	Total Cyanide	SM 4500CNC	0.102	0.100	102	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC20120618	Duplicate 1	Total Dissolved Solids (TDS)	SM 2540C	20120477-001	1322	1374	mg/L	4 %
QC20120618	Duplicate 2	Total Dissolved Solids (TDS)	SM 2540C	20120483-006	710	664	mg/L	7 %
QC20120645	Duplicate 1	Redox Potential	ASTM D1498	20120486-001	464.1	470	mV	1 %
QC20120645	Duplicate 2	Redox Potential	ASTM D1498	20120491-002	455.4	460	mV	<1%
QC20120648	Duplicate 1	pH	SM 4500-H+ B	20120537-001	7.07	7.10	HT pH Units	<1%
QC20120648	Duplicate 2	pH	SM 4500-H+ B	20120545-002	8.86	8.90	HT pH Units	<1%
QC20120648	Duplicate 3	pH	SM 4500-H+ B	20120483-001	7.28	7.32	HT pH Units	1 %
QC20120648	Duplicate 4	pH	SM 4500-H+ B	20120483-012	7.74	7.73	HT pH Units	<1%
QC20120648	Duplicate 5	pH	SM 4500-H+ B	20120523-006	7.17	7.16	HT pH Units	<1%
QC20120648	Duplicate 6	pH	SM 4500-H+ B	20120523-016	7.25	7.26	HT pH Units	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS %Rec	MSD %Rec	RPD %
QC20120646 MS 1		Chloride	EPA 300.0	20120499-001	23.3	28.0	28.1	5	mg/L	95	97	<1
		Fluoride	EPA 300.0	20120499-001	0.332	2.43	2.37	2	mg/L	105	102	2
		Nitrate Nitrogen	EPA 300.0	20120499-001	1.82	3.91	3.95	2	mg/L	105	107	1
		Nitrite Nitrogen	EPA 300.0	20120499-001	ND	M 0.200	0.198	0.5	mg/L	NC	NC	NC
		Sulfate	EPA 300.0	20120499-001	47.9	57.5	57.7	10	mg/L	96	98	<1
QC20120646 MS 2		Chloride	EPA 300.0	20120503-004	78.8	99.3	101	5	mg/L	82	88	2
		Fluoride	EPA 300.0	20120503-004	2.40	12.5	12.1	2	mg/L	101	97	3
		Nitrate Nitrogen	EPA 300.0	20120503-004	ND	D 10.3	10.5	2	mg/L	102	104	2
		Nitrite Nitrogen	EPA 300.0	20120503-004	ND	2.33	2.37	0.5	mg/L	93	95	2
		Sulfate	EPA 300.0	20120503-004	53.0	102	104	10	mg/L	98	103	2
QC20120692 MS 1		Aluminum	EPA 200.7	20120554-001	ND	1.04	1.04	1	mg/L	104	104	<1
		Barium	EPA 200.7	20120554-001	ND	1.03	1.01	1	mg/L	102	101	2
		Beryllium	EPA 200.7	20120554-001	ND	1.04	1.03	1	mg/L	104	103	1
		Cadmium	EPA 200.7	20120554-001	ND	0.995	0.985	1	mg/L	100	98	1
		Chromium	EPA 200.7	20120554-001	ND	0.986	0.979	1	mg/L	99	98	<1
		Copper	EPA 200.7	20120554-001	ND	5.06	5.06	5	mg/L	101	101	<1
		Iron	EPA 200.7	20120554-001	ND	0.984	0.976	1	mg/L	96	95	<1
		Magnesium	EPA 200.7	20120554-001	12.3	23.0	23.3	10	mg/L	107	109	1
		Manganese	EPA 200.7	20120554-001	ND	0.986	0.979	1	mg/L	98	98	<1
		Nickel	EPA 200.7	20120554-001	ND	4.82	4.80	5	mg/L	96	96	<1
		Silver	EPA 200.7	20120554-001	ND	0.094	0.094	0.09	mg/L	105	105	<1
		Sodium	EPA 200.7	20120554-001	32.2	41.5	41.1	10	mg/L	92	89	1
		Zinc	EPA 200.7	20120554-001	0.038	1.04	1.03	1	mg/L	100	99	1

DF=Dilution Factor, RL = Reporting Limit (minimum 3X the MDL), ND = Not Detected <RL or <MDL (if listed)

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QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS %Rec	MSD %Rec	RPD %
QC20120739	MS 1	Mercury	EPA 200.8	20120554-001	ND	0.001124	0.001071	0.001	mg/L	104	99	5
		Antimony	EPA 200.8	20120554-001	ND	B 0.0109	0.0103	0.01	mg/L	109	103	6
		Arsenic	EPA 200.8	20120554-001	ND	0.0534	0.0500	0.05	mg/L	104	97	7
		Lead	EPA 200.8	20120554-001	ND	0.0097	0.0092	0.01	mg/L	97	91	5
		Selenium	EPA 200.8	20120554-001	ND	0.0546	0.0511	0.05	mg/L	107	100	7
		Thallium	EPA 200.8	20120554-001	ND	0.0097	0.0091	0.01	mg/L	97	91	6
QC20120759	MS 1	Total Cyanide	SM 4500CNC	20120323-001	ND	M 0.078	0.080	0.1	mg/L	NC	NC	NC

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