



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

October 11, 2023
Workorder ****1110

H2O Machine
320 S. Rock Blvd
STE 210
Reno, NV 89502

Project: H2O

Dear H2OMachine.com:

It is the policy of SGS Silver State Analytical Laboratory - Reno to strictly adhere to a comprehensive Quality Assurance Plan that ensures the data presented in this report are both accurate and precise. SGS Silver State Analytical Laboratory - Reno maintains accreditation in the State of Nevada (NV-00015) and the State of California (ELAP 2990).

The data presented in this report was obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged in the Analytical Report with an appropriate explanation in the Definitions & Qualifiers.

Sincerely,

A handwritten signature in black ink that reads 'Carly Wood'.

Carly Wood
Laboratory Director
1135 Financial Blvd
Reno, NV 89502



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Analytical Report

Workorder#: ****1110

Date Reported: 10/11/2023

Client: H2OMachine.com
Project Name: H2O
PO #:

Sampled By H2OMachine.com

Laboratory Accreditation Number NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
23091110-01	Test 1	09/22/2023 12:30	9/22/2023

Parameter	Method	Result	Units	MCL	Analyst	Date/Time Analyzed	Data Flag
Antimony	EPA 200.8	<0.001	mg/L	0.006	AL	10/04/2023 20:22	
Arsenic	EPA 200.8	<0.001	mg/L	0.01	AL	10/04/2023 20:22	
Coliform, Total	SM 9223 B	Absent	P/A	0	IF	09/22/2023 16:59	
Copper	EPA 200.8	0.95	mg/L	1	AL	10/06/2023 8:23	
Digestion Turbidity Check	EPA 200.8	<1	NTU		HG	09/26/2023 12:56	
Escherichia Coli	SM 9223 B	Absent	P/A	0	IF	09/22/2023 16:59	
Lead	EPA 200.8	<0.001	mg/L	0.015	AL	10/04/2023 20:22	
Nitrate as N	EPA 300.0	<0.05	mg/L	10	SR	09/22/2023 20:52	S
Nitrite as N	EPA 300.0	<0.05	mg/L	1	SR	09/22/2023 20:52	S

Original



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Quality Control Report

WO#: ****1110
10/11/2023

Analysis: Anions 300.0
Method: EPA 300.0

Batch ID: R83103

Method Blank

RunID: 83103 SeqNo 2187420 Units: mg/L
Analysis Date: 9/13/2023 6:18:00 PM Analyst: SR

Analyte	Result	Rep Limit	Rep Qual
Nitrate as N	< 0.050	0.050	
Nitrite as N	< 0.050	0.050	



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Quality Control Report

WO#: ****1110

10/11/2023

Method Blank

RunID: 83103 SeqNo 2187475 Units: mg/L
 Analysis Date: 9/13/2023 8:32:00 PM Analyst: SR

Analyte	Result	Rep Limit	Rep Qual
Nitrate as N	< 0.050	0.050	
Nitrite as N	< 0.050	0.050	

Laboratory Control Sample (LCS)

RunID: 83103 SeqNo 2187423 Units: mg/L
 Analysis Date: 9/13/2023 9:23:00 PM Analyst: SR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	10.00	10	101								
Nitrite as N	10.00	10	100								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 23091059-01A

RunID: 83103 SeqNo 2187440 Units: mg/L
 Analysis Date: 9/22/2023 2:42:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	0	100.0	99	99.3	100.0	98	98.0	1.33	20	90	110	
Nitrite as N	0	100.0	100	103	100.0	100	104	0.659	20	90	110	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 23091059-01A

RunID: 83103 SeqNo 2187441 Units: mg/L
 Analysis Date: 9/22/2023 2:59:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	0	100.0	98	98.0								
Nitrite as N	0	100.0	100	104								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 23090727-17A

RunID: 83103 SeqNo 2187460 Units: mg/L
 Analysis Date: 9/22/2023 7:44:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	0.1658	100.0	< 0.50	0.0359	100.0	< 0.50	0.0561	0	20	90	110	S
Nitrite as N	0	100.0	< 0.50	0	100.0	< 0.50	0	0	20	90	110	S

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Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 23090727-17A

RunID: 83103 SeqNo 2187461 Units: mg/L

Analysis Date: 9/22/2023 8:01:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	0.1658	100.0	< 0.50	0.0561								
Nitrite as N	0	100.0	< 0.50	0								



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Quality Control Report

WO#: ****1110
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Analysis: Metals 200.8
Method: EPA 200.8

Batch ID: R83512

Method Blank

RunID: 83512 SeqNo 2199692 Units: mg/L
Analysis Date: 10/4/2023 7:29:13 PM Analyst: AL

Analyte	Result	Rep Limit	Rep Qual
Antimony	< 0.0010	0.0010	
Arsenic	< 0.0010	0.0010	
Lead	< 0.0010	0.0010	



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Quality Control Report

WO#: ****1110
 10/11/2023

Method Blank

RunID: 83512 SeqNo 2199709 Units: mg/L
 Analysis Date: 10/4/2023 9:09:22 PM Analyst: AL

Analyte	Result	Rep Limit	Rep Qual
Antimony	< 0.0010	0.0010	
Arsenic	< 0.0010	0.0010	
Lead	< 0.0010	0.0010	

Laboratory Control Sample (LCS)

RunID: 83512 SeqNo 2199684 Units: mg/L
 Analysis Date: 10/4/2023 6:42:05 PM Analyst: AL

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Antimony	0.02500	0.026	104								
Arsenic	0.02500	0.025	99.1								
Lead	0.02500	0.025	102								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 23091112-01A
 RunID: 83512 SeqNo 2199703 Units: mg/L
 Analysis Date: 10/4/2023 8:34:04 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Antimony	0.05000	0.05000	0.053	107	0.05000	0.054	108	0.795	20	70	130	
Arsenic	0.002168	0.05000	0.052	99.6	0.05000	0.051	97.7	1.83	20	70	130	
Lead	0.05000	0.05000	0.051	103	0.05000	0.052	104	1.26	20	70	130	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 23091112-01A
 RunID: 83512 SeqNo 2199704 Units: mg/L
 Analysis Date: 10/4/2023 8:39:57 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Antimony	0.05000	0.05000	0.054	108								
Arsenic	0.002168	0.05000	0.051	97.7								
Lead	0.05000	0.05000	0.052	104								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 23091125-04A
 RunID: 83512 SeqNo 2199715 Units: mg/L
 Analysis Date: 10/4/2023 9:44:44 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Antimony												
Arsenic												
Lead												

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10/11/2023

Antimony	0.05000	0.053	106	0.05000	0.053	106	0.115	20	70	130	
Arsenic	0.003822	0.05000	0.052	96.8	0.05000	0.054	99.7	2.71	20	70	130
Lead	0.05000	0.051	102	0.05000	0.051	102	0.719	20	70	130	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 23091125-04A

RunID: 83512 SeqNo 2199716 Units: mg/L

Analysis Date: 10/4/2023 9:50:38 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Antimony	0.05000	0.05000	0.053	106								
Arsenic	0.003822	0.05000	0.054	99.7								
Lead	0.05000	0.051	102									

Analysis: Metals 200.8

Method: EPA 200.8

Batch ID: R83624

Laboratory Control Sample (LCS)

RunID: 83624 SeqNo 2204666 Units: mg/L

Analysis Date: 10/6/2023 7:51:13 AM Analyst: AL

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Copper	0.02500	0.024	96.2								



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Definitions & Qualifiers

WO#: ****1110

Date: 10/11/2023

Definitions:

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: LCS Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: Matrix Spike Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

RPD: Relative Percent Difference; comparison between sample and duplicate and/or MS and MSD.

PQL: Practical Quantitation Limit; the limit to which data is quantitated for reporting.

MDL: Method Detection Limit; the limit to which the instrument can reliably detect.

MCL: Maximum Contaminant Level; value set according to EPA guidelines.

Qualifiers:

* - Analyte exceeds Safe Drinking Water Act MCL, does not meet drinking water standards.

C - Analyte value below Safe Drinking Water Act MCL, does not meet drinking water standards.

B - Analyte found above the PQL in associated method blank.

G - Calibration blank analyte detected above PQL.

H - Sample analyzed beyond holding time for this parameter.

J - Estimated Value; Analyte found between MDL and PQL limits.

L - Sample concentration is at least 5 times greater than spike contribution. Spike recovery criteria do not apply.

R - RPD between sample and duplicate sample outside the RPD acceptance limits.

S - Batch MS and/or MSD were outside acceptance limits, batch LCS was acceptable.

W - Sample temperature when received was out of limit as specified by method.

Z - Batch LCS and/or LCSD were outside acceptance limits.