



Silver State Labs-Las Vegas  
 3626 E. Sunset Road, Suite100  
 Las Vegas, NV 89120  
 (702) 873-4478 FAX: (702) 873-7967  
 www.ssalabs.com

# Analytical Report

WO#: 21051335  
 Date Reported: 6/7/2021

**CLIENT:** H2 Analytics

**Collection Date:** 5/27/2021 7:45:00 AM

**Project:** H2A-21042801-1 Echo Go

**Lab ID:** 21051335-01

**Matrix:** AQUEOUS

**Client Sample ID** H2A-1003-01 (Go)

| Analyses                                          | Result | RL     | Qual | Units              | MCL | DF                 | Date Analyzed        |
|---------------------------------------------------|--------|--------|------|--------------------|-----|--------------------|----------------------|
| <b>DOMESTIC WATER PANEL</b>                       |        |        |      | <b>EPA 300.0</b>   |     | Analyst: <b>DB</b> |                      |
| <b>ANIONS-SDWA (CL, F, NO2, NO3, SO4)</b>         |        |        |      |                    |     |                    |                      |
| Chloride                                          | ND     | 0.100  |      | mg/L               | 400 | 1                  | 6/3/2021 8:41:00 PM  |
| Fluoride                                          | ND     | 0.100  |      | mg/L               | 4   | 1                  | 6/3/2021 8:41:00 PM  |
| Nitrate as N                                      | ND     | 1.00   |      | mg/L               | 10  | 10                 | 6/2/2021 7:32:00 PM  |
| Nitrite as N                                      | ND     | 1.00   | S    | mg/L               | 1   | 10                 | 6/2/2021 7:32:00 PM  |
| Sulfate                                           | ND     | 0.100  | S    | mg/L               | 500 | 1                  | 6/3/2021 8:41:00 PM  |
| <b>COLOR - APPARENT - SDWA</b>                    |        |        |      | <b>SM 2120 B</b>   |     | Analyst: <b>KF</b> |                      |
| Color                                             | ND     | 1.00   |      | Pt-Co              | 15  | 1                  | 5/27/2021 3:27:00 PM |
| <b>CYANIDE, FREE-SDWA</b>                         |        |        |      | <b>SM 4500CN E</b> |     | Analyst: <b>QB</b> |                      |
| Cyanide, Free                                     | ND     | 0.0500 |      | mg/L               | 0.2 | 1                  | 6/1/2021 2:20:00 PM  |
| <b>DOMESTIC WATER PANEL</b>                       |        |        |      | <b>SM 2340 B</b>   |     | Analyst: <b>KF</b> |                      |
| <b>HARDNESS (TOTAL) - SDWA, CALCULATION ONLY.</b> |        |        |      |                    |     |                    |                      |
| Hardness (As CaCO3)                               | ND     | 1.00   |      | mg/L               |     | 1                  | 5/28/2021 3:06:09 PM |
| Hardness, Calcium (As CaCO3)                      | ND     | 1.00   |      | mg/L               |     | 1                  | 5/28/2021 3:06:09 PM |
| Hardness, Magnesium (As CaCO3)                    | ND     | 1.00   |      | mg/L               |     | 1                  | 5/28/2021 3:06:09 PM |
| <b>MBAS (SURFACTANTS) - SDWA</b>                  |        |        |      | <b>SM 5540 C</b>   |     | Analyst: <b>DB</b> |                      |
| MBAS (surfactants)                                | ND     | 0.0690 | S    | mg/L               | 0.5 | 1                  | 5/28/2021 8:08:00 AM |
| <b>ODOR - SDWA</b>                                |        |        |      | <b>SM 2150 B</b>   |     | Analyst: <b>KF</b> |                      |
| Odor                                              | 1.00   | 1.00   |      | T.O.N.             | 3   | 1                  | 5/27/2021 3:17:00 PM |

|                    |    |                                                     |     |                               |
|--------------------|----|-----------------------------------------------------|-----|-------------------------------|
| <b>Qualifiers:</b> | C  | Value is below Minimum Compound Limit.              | DF  | Dilution Factor.              |
| <b>(Qual)</b>      | H  | Holding times for preparation or analysis exceeded. | MCL | Maximum Contaminant Level.    |
|                    | ND | Not Detected at the PQL.                            | PQL | Practical Quantitation Limit. |

Revision v1



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**Project:** H2A-21042801-1 Echo Go

**DOMESTIC WATER PANEL PH - SDWA** **SM 4500H+ B** Analyst: **JJF**

pH 6.16 CH pH Units 8.5 1 5/27/2021 4:05:00 PM

**Lab ID:** 21051335-01 **Matrix:** AQUEOUS  
**Client Sample ID** H2A-1003-01 (Go)

| Analyses                                                  | Result | RL     | Qual | Units                | MCL                | DF           | Date Analyzed       |
|-----------------------------------------------------------|--------|--------|------|----------------------|--------------------|--------------|---------------------|
| <b>SILICA, REACTIVE (COLORMETRIC)</b>                     |        |        |      | <b>SM 4500SIO2 C</b> | Analyst: <b>QB</b> |              |                     |
| Silica, Dissolved (as SiO2)                               | ND     | 0.100  | S    | mg/L                 | 1                  | 5/28/2021 AM | 11:14:00            |
| <b>DOMESTIC WATER PANEL TOTAL DISSOLVED SOLIDS - SDWA</b> |        |        |      | <b>SM 2540C</b>      | Analyst: <b>DB</b> |              |                     |
| Total Dissolved Solids                                    | 32.0   | 5.00   |      | mg/L                 | 1000               | 1            | 6/1/2021 8:31:00 AM |
| <b>METALS, 200.7 - CWA</b>                                |        |        |      | <b>EPA 200.7</b>     | Analyst: <b>KF</b> |              |                     |
| Titanium                                                  | ND     | 0.0200 |      | mg/L                 | 1                  | 6/2/2021     | 11:32:39 AM         |
| <b>METALS, 200.8 - CWA</b>                                |        |        |      | <b>EPA200.8</b>      | Analyst: <b>KF</b> |              |                     |
| Aluminum                                                  | 2.1    | 1.2    |      | µg/L                 | 1.3                | 5/28/2021    | 4:05:35 PM          |
| Antimony                                                  | ND     | 1.2    |      | µg/L                 | 1.3                | 5/28/2021    | 4:05:35 PM          |
| Barium                                                    | ND     | 1.2    |      | µg/L                 | 1.3                | 5/28/2021    | 4:05:35 PM          |
| Beryllium                                                 | ND     | 1.2    |      | µg/L                 | 1.3                | 5/28/2021    | 4:05:35 PM          |
| Cadmium                                                   | ND     | 1.2    |      | µg/L                 | 1.3                | 5/28/2021    | 4:05:35 PM          |
| Chromium                                                  | 1.7    | 1.2    |      | µg/L                 | 1.3                | 5/28/2021    | 4:05:35 PM          |
| Nickel                                                    | ND     | 1.2    |      | µg/L                 | 1.3                | 5/28/2021    | 4:05:35 PM          |
| Selenium                                                  | ND     | 1.2    |      | µg/L                 | 1.3                | 5/28/2021    | 4:05:35 PM          |
| Silver                                                    | ND     | 1.2    |      | µg/L                 | 1.3                | 5/28/2021    | 4:05:35 PM          |

**Qualifiers:** C Value is below Minimum Compound Limit. DF Dilution Factor.  
 (Qual) H Holding times for preparation or analysis exceeded. MCL Maximum Contaminant Level.  
 ND Not Detected at the PQL. PQL Practical Quantitation Limit.

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**CLIENT:** H2 Analytics **Collection Date:** 5/27/2021 7:45:00 AM  
**Project:** H2A-21042801-1 Echo Go

Thallium ND 1.2 µg/L 1.3 5/28/2021 4:05:35 PM

**METALS - PRECIOUS EPA 6010B Analyst: KF**

Gold ND 0.100 mg/L 1 6/2/2021 4:00:02 PM  
 Platinum ND 0.100 mg/L 1 6/2/2021 4:00:02 PM

**DOMESTIC WATER PANEL METALS-SDWA 200.7 EPA 200.7 Analyst: KF**

Calcium ND 1.00 mg/L 1 5/28/2021 11:10:29 AM  
 Iron ND 0.100 mg/L 0.6 1 5/28/2021 11:10:29 AM

**Lab ID:** 21051335-01 **Matrix:** AQUEOUS  
**Client Sample ID** H2A-1003-01 (Go)

| Analyses                                                     | Result | RL   | Qual | Units              | MCL  | DF                 | Date      | Analyzed    |
|--------------------------------------------------------------|--------|------|------|--------------------|------|--------------------|-----------|-------------|
| <b>DOMESTIC WATER PANEL METALS-SDWA 200.7</b>                |        |      |      | <b>EPA 200.7</b>   |      | <b>Analyst: KF</b> |           |             |
| Magnesium                                                    | ND     | 1.00 |      | mg/L               | 150  | 1                  | 5/28/2021 | 11:10:29 AM |
| Sodium                                                       | ND     | 1.00 |      | mg/L               |      | 1                  | 5/28/2021 | 11:10:29 AM |
| <b>DOMESTIC WATER PANEL METALS-SDWA 200.8</b>                |        |      |      | <b>EPA 200.8</b>   |      | <b>Analyst: KF</b> |           |             |
| Arsenic                                                      | ND     | 1.25 |      | µg/L               | 10   | 1.3                | 5/28/2021 | 4:05:35 PM  |
| Copper                                                       | ND     | 1.25 |      | µg/L               | 1000 | 1.3                | 5/28/2021 | 4:05:35 PM  |
| Lead                                                         | ND     | 1.25 |      | µg/L               | 15   | 1.3                | 5/28/2021 | 4:05:35 PM  |
| Manganese                                                    | ND     | 1.25 |      | µg/L               | 100  | 1.3                | 5/28/2021 | 4:05:35 PM  |
| Zinc                                                         | ND     | 1.25 |      | µg/L               | 5000 | 1.3                | 5/28/2021 | 4:05:35 PM  |
| <b>DOMESTIC WATER PANEL COLIFORMS - P/A (DRINKING WATER)</b> |        |      |      | <b>COLILERT-18</b> |      | <b>Analyst: AS</b> |           |             |
| Coliform, Total                                              | Absent |      |      | P/A                |      | 1                  | 5/27/2021 | 4:58:00 PM  |
| Escherichia Coli                                             | Absent |      |      | P/A                |      | 1                  | 5/27/2021 | 4:58:00 PM  |

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 ND Not Detected at the PQL. PQL Practical Quantitation Limit.



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## Definitions & Qualifiers

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Date: 6/7/2021 [www.ssalabs.com](http://www.ssalabs.com)

### 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.

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