



*Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)*

June 08, 2022

Robert Davidson  
Robert Davidson  
2 Valle Tranquillo  
Placitas, NM 87043  
TEL: (831) 234-8883  
FAX:

RE: Home 1

OrderNo.: 2205B95

Dear Robert Davidson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/26/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 2205B95

Date Reported: 6/8/2022

CLIENT: Robert Davidson

Client Sample ID: Home 1

Project: Home 1

Collection Date: 5/26/2022 9:05:00 AM

Lab ID: 2205B95-001

Matrix: AQUEOUS

Received Date: 5/26/2022 9:55:00 AM

| Analyses | Result | MCL | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|-----|----|------|-------|----|---------------|
|----------|--------|-----|----|------|-------|----|---------------|

**EPA METHOD 300.0: ANIONS**

Analyst: LRN

|                                   |      |     |      |  |      |    |           |
|-----------------------------------|------|-----|------|--|------|----|-----------|
| Fluoride                          | 0.88 | 4.0 | 0.10 |  | mg/L | 1  | 5/26/2022 |
| Chloride                          | 37   | 250 | 10   |  | mg/L | 20 | 5/26/2022 |
| Nitrogen, Nitrite (As N)          | ND   | 1.0 | 0.10 |  | mg/L | 1  | 5/26/2022 |
| Nitrogen, Nitrate (As N)          | ND   | 10  | 0.10 |  | mg/L | 1  | 5/26/2022 |
| Phosphorus, Orthophosphate (As P) | ND   |     | 0.50 |  | mg/L | 1  | 5/26/2022 |
| Sulfate                           | 170  | 250 | 10   |  | mg/L | 20 | 5/26/2022 |

**EPA METHOD 200.7: METALS**

Analyst: ELS

|           |       |       |        |  |      |   |           |
|-----------|-------|-------|--------|--|------|---|-----------|
| Aluminum  | ND    | 0.20  | 0.020  |  | mg/L | 1 | 5/29/2022 |
| Barium    | ND    | 2.0   | 0.0030 |  | mg/L | 1 | 5/29/2022 |
| Calcium   | ND    |       | 1.0    |  | mg/L | 1 | 5/29/2022 |
| Chromium  | ND    | 0.10  | 0.0060 |  | mg/L | 1 | 5/29/2022 |
| Iron      | ND    | 0.30  | 0.050  |  | mg/L | 1 | 5/29/2022 |
| Magnesium | ND    |       | 1.0    |  | mg/L | 1 | 5/29/2022 |
| Manganese | ND    | 0.050 | 0.0020 |  | mg/L | 1 | 5/29/2022 |
| Potassium | 350   |       | 5.0    |  | mg/L | 5 | 6/1/2022  |
| Silica    | 24    |       | 0.86   |  | mg/L | 5 | 5/29/2022 |
| Silver    | ND    | 0.10  | 0.0050 |  | mg/L | 1 | 5/29/2022 |
| Sodium    | 4.8   |       | 1.0    |  | mg/L | 1 | 5/29/2022 |
| Zinc      | 0.011 | 5.0   | 0.010  |  | mg/L | 1 | 5/29/2022 |

**EPA 200.8: METALS**

Analyst: bcv

|          |        |        |         |  |      |   |          |
|----------|--------|--------|---------|--|------|---|----------|
| Arsenic  | 0.0013 | 0.010  | 0.0010  |  | mg/L | 1 | 6/2/2022 |
| Cadmium  | ND     | 0.0050 | 0.00050 |  | mg/L | 1 | 6/2/2022 |
| Copper   | 0.010  | 1.3    | 0.0010  |  | mg/L | 1 | 6/2/2022 |
| Lead     | ND     | 0.015  | 0.00050 |  | mg/L | 1 | 6/2/2022 |
| Nickel   | ND     |        | 0.0010  |  | mg/L | 1 | 6/2/2022 |
| Selenium | 0.0016 | 0.050  | 0.0010  |  | mg/L | 1 | 6/2/2022 |
| Uranium  | 0.0035 | 0.030  | 0.00050 |  | mg/L | 1 | 6/2/2022 |

**EPA METHOD 245.1: MERCURY**

Analyst: VP

|         |    |        |         |  |      |   |          |
|---------|----|--------|---------|--|------|---|----------|
| Mercury | ND | 0.0020 | 0.00020 |  | mg/L | 1 | 6/1/2022 |
|---------|----|--------|---------|--|------|---|----------|

**SM2340B: HARDNESS**

Analyst: ELS

|                   |    |  |     |  |      |   |           |
|-------------------|----|--|-----|--|------|---|-----------|
| Hardness as CaCO3 | ND |  | 6.6 |  | mg/L | 1 | 5/29/2022 |
|-------------------|----|--|-----|--|------|---|-----------|

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** \* = Value exceeds Maximum Contaminant Level(MCL)  
MCL = EPA Maximum Contamination Level  
RL = Reporting Limit: Laboratory Detection Level  
H = Holding times for preparation or analysis exceeded

ND = Not Detected at the RL  
B = Analyte detected in the associated Method Blank  
P = Sample pH Not in Range  
S = % Recovery outside of range due to dilution or matrix

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 2205B95

Date Reported: 6/8/2022

**CLIENT:** Robert Davidson

**Client Sample ID:** Home 1

**Project:** Home 1

**Collection Date:** 5/26/2022 9:05:00 AM

**Lab ID:** 2205B95-001

**Matrix:** AQUEOUS

**Received Date:** 5/26/2022 9:55:00 AM

| Analyses                                   | Result | MCL  | RL    | Qual | Units    | DF | Date Analyzed       |
|--------------------------------------------|--------|------|-------|------|----------|----|---------------------|
| <b>SM4500-H+B / 9040C: PH</b>              |        |      |       |      |          |    | Analyst: <b>MRA</b> |
| pH                                         | 7.58   | 8.50 |       | H    | pH units | 1  | 5/31/2022           |
| <b>SM2320B: ALKALINITY</b>                 |        |      |       |      |          |    | Analyst: <b>MRA</b> |
| Bicarbonate (As CaCO <sub>3</sub> )        | 244.1  |      | 20.00 |      | mg/L Ca  | 1  | 5/31/2022           |
| Carbonate (As CaCO <sub>3</sub> )          | ND     |      | 2.000 |      | mg/L Ca  | 1  | 5/31/2022           |
| Total Alkalinity (as CaCO <sub>3</sub> )   | 244.1  |      | 20.00 |      | mg/L Ca  | 1  | 5/31/2022           |
| <b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b> |        |      |       |      |          |    | Analyst: <b>KS</b>  |
| Total Dissolved Solids                     | 803    | 500  | 20.0  | *    | mg/L     | 1  | 6/3/2022            |
| <b>EPA METHOD 180.1: TURBIDITY</b>         |        |      |       |      |          |    | Analyst: <b>KS</b>  |
| Turbidity                                  | ND     | 1.0  | 0.50  |      | NTU      | 1  | 5/27/2022           |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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# Sample Log-In Check List

Client Name: Robert Davidson

Work Order Number: 2205B95

RcptNo: 1

Received By: Sean Livingston

5/26/2022 9:55:00 AM

*Sean Livingston*

Completed By: Tracy Casarrubias

5/26/2022 10:10:43 AM

Reviewed By: *JL 5-26-22*

## Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

## Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☐ No ☒ NA ☐
- Samples were collected the same day and chilled.
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? NO

Checked by: KPA 5.26.22

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks: Added 0.5ml of  $\text{HNO}_3$  to sample 001B for

17. Cooler Information pH  $<2$  - KPA 5.26.22

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1         | 7.9                     | Good      | Not Present |         |           |           |