



ANALYTICAL SUMMARY REPORT

August 12, 2019

Skyline Ranch Improvement Service Dist
PO Box 3601
Jackson, WY 83001

Work Order: C19080095
Project Name: WY5600217

Energy Laboratories, Inc. Casper WY received the following 1 sample for Skyline Ranch Improvement Service Dist on 8/2/2019 for analysis.

| Lab ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|---------------|--------------|----------------|---|
| C19080095-001 | 455 Meadowlark | 07/24/19 4:20 | 08/02/19 | Drinking Water | Metals by ICP/ICPMS, Drinking Water Metals pH check by the Laboratory FIRST Metals pH check by the Laboratory SECOND Metals Preparation by EPA 200.2 |

The analyses presented in this report were performed by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these test results, please contact your Project Manager .

Report Approved By:



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Skyline Ranch Improvement Service Dist

Client Sample ID: 455 Meadowlark

PWS #: WY5600217 **Name:** SKYLINE RANCH I&S DISTRICT

Facility ID: DIST

SamplingPoint/Location: DIST / 455 Meadowlark

Project ID: WY5600217

Collector's Name: Homeowner

Contact Phone #:

Compliance Sample: YES

Sample Type: RT

Lab ID: C19080095-001

Report Date: 08/12/19

Collection Date: 07/24/19 04:20

Date Received: 08/02/19

Matrix: Drinking Water

Federal ID#: WY00002

| FRDS Analyses | Result | Units | Qual | MCL/ | | Method | Analysis Date / By |
|----------------------|--------|-------|------|-------|-------|--------|----------------------|
| | | | | RL | QCL | | |
| METALS, TOTAL | | | | | | | |
| 1022 Copper | 0.38 | mg/L | | 0.01 | 1.3 | E200.8 | 08/07/19 19:08 / jcg |
| 1030 Lead | ND | mg/L | | 0.001 | 0.015 | E200.8 | 08/07/19 19:08 / jcg |

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Skyline Ranch Improvement Service Dist

Work Order: C19080095

Report Date: 08/08/19

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------------------|-------|---|-------|--------|------|-----------|------------|-----|----------|----------------|
| Method: E200.8 | | Analytical Run: ICPMS5-C_190807A | | | | | | | | |
| Lab ID: QCS | 2 | Initial Calibration Verification Standard | | | | | | | | 08/07/19 17:50 |
| Copper | | 0.0516 | mg/L | 0.0050 | 103 | 90 | 110 | | | |
| Lead | | 0.0499 | mg/L | 0.0010 | 100 | 90 | 110 | | | |
| Method: E200.8 | | Batch: R249642 | | | | | | | | |
| Lab ID: LRB | 2 | Method Blank | | | | | | | | 08/07/19 18:13 |
| Copper | | ND | mg/L | 0.0010 | | | | | | |
| Lead | | ND | mg/L | 7E-05 | | | | | | |
| Lab ID: LFB | 2 | Laboratory Fortified Blank | | | | | | | | 08/07/19 18:17 |
| Copper | | 0.0508 | mg/L | 0.0050 | 102 | 85 | 115 | | | |
| Lead | | 0.0516 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Lab ID: C19050139-001BMS | 2 | Sample Matrix Spike | | | | | | | | 08/07/19 19:16 |
| Copper | | 0.0474 | mg/L | 0.0050 | 95 | 70 | 130 | | | |
| Lead | | 0.0501 | mg/L | 0.0010 | 100 | 70 | 130 | | | |
| Lab ID: C19050139-001BMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 08/07/19 19:20 |
| Copper | | 0.0482 | mg/L | 0.0050 | 96 | 70 | 130 | 1.6 | 20 | |
| Lead | | 0.0511 | mg/L | 0.0010 | 102 | 70 | 130 | 2.0 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Work Order Receipt Checklist

Skyline Ranch Improvement Service Dist

C19080095

Login completed by: Casie C. Peppersack

Date Received: 8/2/2019

Reviewed by: Kasey Vidick

Received by: meh

Reviewed Date: 8/2/2019

Carrier name: Ground

| | | | |
|--|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on all shipping container(s)/cooler(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on all sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temp Blank received in all shipping container(s)/cooler(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |
| Container/Temp Blank temperature: | 3.0°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

Samples for Lead & Copper were preserved in the laboratory to pH <2 with 2 mL of nitric acid per liter upon receipt and within the EPA recommended 14 day holding time. In accordance with the Safe Drinking Water Act.



Chain of Custody & Analytical Request Record

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Account Information (Billing Information)

Company/Name: Stigline Park ISD
 Contact: Carly Schwann
 Phone: _____
 Mailing Address: _____
 City, State, Zip: _____
 Email: office@stiglineparkisd.com
 Receive Invoice: Hard Copy Email
 Receive Report: Hard Copy Email
 Purchase Order: _____
 Quote: _____
 Bottle Order: _____

Report Information (if different than Account Information)

Company/Name: Clearwater Operations
 Contact: Emily Tanner
 Phone: 507-690-5512
 Mailing Address: _____
 City, State, Zip: _____
 Email: clearwateroperations@cpmail.com
 Receive Report: Hard Copy Email
 Special Report/Formats: LEVEL IV NELAC EDD/EDT (contact laboratory) Other _____

Project Information

Project Name, PWSID, Permit, etc.: WMS600-217
 Sampler Name: HAWKINS
 Sampler Phone: _____
 Sample Origin State: WV
 EPA/State Compliance: Yes No
 URBANUM MINING CLIENTS MUST indicate sample type:
 NOT Source or Byproduct Material
 Source/Processed Ore (Ground or Refined) **CALL BEFORE SENDING
 11e(2) Byproduct Material (Can ONLY be Submitted to ELL Casper Location)

Matrix Codes

- A. Air
- W. Water
- S. Solids
- V. Vegetation
- B. Bioassay
- O. Other
- DW - Drinking Water

Analysis Requested

Lead & Copper

| Sample Identification (Name, Location, Interval, etc.) | Collection | | Number of Containers | Matrix (See Codes) | Analysis Requested | Comments |
|---|----------------|-------------|----------------------|--------------------|--------------------|---------------------|
| | Date | Time | | | | |
| 1 <u>455 Meadowbank</u> | <u>7/24/19</u> | <u>4:20</u> | <u>1</u> | <u>DW</u> | | <u>See Attached</u> |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

All turnaround times are standard unless marked as RUSH.
 Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling - See Instructions Page

Custody Record MUST be signed: EMILY HANNA
 Relinquished by (print): _____
 Date/Time: 7-31-19
 Signature: _____
 Received by (print): Nancy Hurdles
 Received by Laboratory (print): _____
 Date/Time: 8/21/19 10:40
 Signature: _____

Shipped By: _____
 Cooler ID(s): _____
 Custody Seals: Y N C B
 Intact: Y N
 Receipt Temp: _____ °C
 Temp Blank: Y N
 On Ice: Y N
 CC: _____
 Cash: _____
 Check: _____
 Amount: \$ _____
 Receipt Number (cash/check only): _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

C19080095

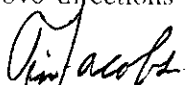
Suggested Directions for Homeowner Tap Sample Collection Procedures
Revised Version: February 2016

These samples are being collected to determine the lead and copper levels in your tap water. This sampling effort is required by the U.S. Environmental Protection Agency and your State under the Lead and Copper Rule, and is being accomplished through a collaboration between the public water system and their consumers (e.g. residents).

Collect samples from a tap that has not been used for at least 6 hours. To ensure the water has not been used for at least 6 hours, the best time to collect samples is either early in the morning or in the evening upon returning from work. Be sure to use a kitchen or bathroom cold water tap that has been used for drinking water consumption in the past few weeks. The collection procedure is described below.

1. Prior arrangements will be made with you, the customer, to coordinate the sample collection. Dates will be set for sample kit delivery and pick-up by water system staff.
2. There must be a minimum of 6 hours during which there is no water used from the tap where the sample will be collected and any taps adjacent or close to that tap. Either early mornings or evenings upon returning home are the best sampling times to ensure that the necessary stagnant water conditions exist. Do not intentionally flush the water line before the start of the 6 hour period.
3. Use a kitchen or bathroom cold-water faucet for sampling. If you have water softeners on your kitchen taps, collect your sample from the bathroom tap that is not attached to a water softener, or a point of use filter, if possible. Do not remove the aerator prior to sampling. Place the opened sample bottle below the faucet and open the cold water tap as you would do to fill a glass of water. **Fill the sample bottle to the line marked "1000-mL"** and turn off the water.
4. Tightly cap the sample bottle and place in the sample kit provided. Please review the sample kit label at this time to ensure that all information contained on the label is correct.
5. If any plumbing repairs or replacement has been done in the home since the previous sampling event, note this information on the label as provided. Also if your sample was collected from a tap with a water softener, note this as well.
6. Place the sample kit in the same location the kit was delivered to so that water system staff may pick up the sample kit.
7. Results from this monitoring effort and information about lead will be provided to you as soon as practical but no later than 30 days after the system learns of the tap monitoring results. However, if excessive lead and/or copper levels are found, immediate notification will be provided (usually 1-2 working days after the system learns of the tap monitoring results).

Call _____ at _____ if you have any questions regarding these instructions.

| TO BE COMPLETED BY RESIDENT | | | |
|---|---|---------------------|----------------|
| Water was last used: | Time <u>10:16 PM</u> | Date <u>7/23/19</u> | |
| Sample was collected: | Time <u>4:20 AM</u> | Date <u>7/24/19</u> | |
| Street Address: | <u>455 N. MEADOWLARK RD</u> | | |
| Sample Location & faucet (e.g. Bathroom sink): | <u>KITCHEN SINK</u> | | |
| I have read the above directions and have taken a tap sample in accordance with these directions. | | | |
| Signature |  | Date | <u>7/24/19</u> |