



ANALYTICAL SUMMARY REPORT

April 21, 2022

King Ranch Subdivision
PO Box 118
Frenchtown, MT 59834-0118

Work Order: H22030282

Project Name: King Ranch Subdivision MT0004158

Energy Laboratories Inc Helena MT received the following 1 sample for King Ranch Subdivision on 3/11/2022 for analysis.

| Lab ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|----------------|--------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H22030282-001 | CH001 EP502 | 03/10/22 11:00 | 03/11/22 | Drinking Water | Metals by ICP/ICPMS, Drinking Water Metals Digestion by E200.2 Gross Alpha Calculated Gross Alpha, Gross Beta, Total Radium 226 + Radium 228 Radium 226, Total Radium 228, Total |

The analyses presented in this report were performed by Energy Laboratories, Inc., 3161 E. Lyndale Ave., Helena, MT 59604, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. 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:



CLIENT: King Ranch Subdivision
Project: King Ranch Subdivision MT0004158
Work Order: H22030282

Report Date: 04/21/22

CASE NARRATIVE

Tests associated with analyst identified as ELI-CA were subcontracted to Energy Laboratories, 2393 Salt Creek Hwy., Casper, WY, EPA Number WY00002.



LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: King Ranch Subdivision
Project: King Ranch Subdivision MT0004158
Lab ID: H22030282-001
Client Sample ID: CH001 EP502

Report Date: 04/21/22
Collection Date: 03/10/22 11:00
Date Received: 03/11/22
Matrix: Drinking Water

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---------------------------------------------|--------|-------|------------|--------|-------------|----------|-------------------------|
| METALS, TOTAL (CONTRACT LAB MT00945) | | | | | | | |
| Uranium | 0.0022 | mg/L | | 0.0003 | 0.03 | E200.8 | 03/16/22 00:52 / dck |
| RADIONUCLIDES - TOTAL | | | | | | | |
| Gross Alpha | -0.5 | pCi/L | U | | | E900.0 | 04/08/22 03:51 / eli-ca |
| Gross Alpha precision (±) | 1.5 | pCi/L | | | | E900.0 | 04/08/22 03:51 / eli-ca |
| Gross Alpha MDC | 1.5 | pCi/L | | | | E900.0 | 04/08/22 03:51 / eli-ca |
| Gross Alpha - Adjusted | -0.51 | pCi/L | U | | 15 | E900.0 | 04/11/22 10:25 / eli-c |
| Gross Alpha - Adjusted precision (±) | 1.5 | pCi/L | | | | E900.0 | 04/11/22 10:25 / eli-c |
| Gross Alpha - Adjusted MDC | 1.5 | pCi/L | | | | E900.0 | 04/11/22 10:25 / eli-c |
| Radium 226 | 0.4 | pCi/L | | | 5 | E903.0 | 04/20/22 11:40 / eli-ca |
| Radium 226 precision (±) | 0.4 | pCi/L | | | | E903.0 | 04/20/22 11:40 / eli-ca |
| Radium 226 MDC | 0.3 | pCi/L | | | | E903.0 | 04/20/22 11:40 / eli-ca |
| Radium 228 | 1.0 | pCi/L | | | 5 | RA-05 | 03/24/22 10:49 / eli-c |
| Radium 228 precision (±) | 0.4 | pCi/L | | | | RA-05 | 03/24/22 10:49 / eli-c |
| Radium 228 MDC | 0.4 | pCi/L | | | | RA-05 | 03/24/22 10:49 / eli-c |
| Radium 226 + Radium 228 | 1.5 | pCi/L | | | | A7500-RA | 04/21/22 08:01 / eli-ca |
| Radium 226 + Radium 228 precision (±) | 0.6 | pCi/L | | | | A7500-RA | 04/21/22 08:01 / eli-ca |
| Radium 226 + Radium 228 MDC | 0.6 | pCi/L | | | | A7500-RA | 04/21/22 08:01 / eli-ca |

Report Definitions:
 RL - Analyte Reporting Limit
 QCL - Quality Control Limit
 U - Not detected at Minimum Detectable Concentration (MDC)
 MCL - Maximum Contaminant Level
 ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Helena, MT Branch

Client: King Ranch Subdivision

Work Order: H22030282

Report Date: 04/21/22

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual | |
|----------------------------------|-------|-------------------------------------------|-------|---------|------|-----------|------------|-----|----------|------------------------------------|----------------|
| Method: E200.8 | | | | | | | | | | Analytical Run: ICPMS205-H_220315C | |
| Lab ID: ICV | | Initial Calibration Verification Standard | | | | | | | | 03/15/22 22:47 | |
| Uranium | | 0.0577 | mg/L | 0.0010 | 96 | 90 | 110 | | | | |
| Lab ID: ICSA | | Interference Check Sample A | | | | | | | | 03/15/22 22:53 | |
| Uranium | | 0.0000200 | mg/L | 0.0010 | | | | | | | |
| Lab ID: ICSAB | | Interference Check Sample AB | | | | | | | | 03/15/22 22:59 | |
| Uranium | | 0.0000161 | mg/L | 0.0010 | | 0 | 0 | | | | |
| Lab ID: ICSA | | Interference Check Sample A | | | | | | | | 03/16/22 11:37 | |
| Uranium | | 0.0000285 | mg/L | 0.0010 | | | | | | | |
| Lab ID: ICSAB | | Interference Check Sample AB | | | | | | | | 03/16/22 11:43 | |
| Uranium | | 0.0000230 | mg/L | 0.0010 | | 0 | 0 | | | | |
| Method: E200.8 | | | | | | | | | | Batch: 60464 | |
| Lab ID: MB-60464 | | Method Blank | | | | | | | | Run: ICPMS205-H_220315C | 03/16/22 00:46 |
| Uranium | | ND | mg/L | 0.00005 | | | | | | | |
| Lab ID: H22030282-001BMS3 | | Sample Matrix Spike | | | | | | | | Run: ICPMS205-H_220315C | 03/16/22 01:16 |
| Uranium | | 0.500 | mg/L | 0.0010 | 100 | 70 | 130 | | | | |
| Lab ID: H22030282-001BMSD | | Sample Matrix Spike Duplicate | | | | | | | | Run: ICPMS205-H_220315C | 03/16/22 01:19 |
| Uranium | | 0.502 | mg/L | 0.0010 | 100 | 70 | 130 | 0.4 | 20 | | |

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Helena, MT Branch

Client: King Ranch Subdivision

Work Order: H22030282

Report Date: 04/21/22

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------------|-------|-------------------------------|-------|----|------|-----------|------------|--------------------|----------|---------------------------------|
| Method: E900.0 | | | | | | | | Batch: C_GrDW-1623 | | |
| Lab ID: Th230-GrDW-1623 | 3 | Laboratory Control Sample | | | | | | | | Run: SUB-C281258 04/06/22 01:19 |
| Gross Alpha | | 95 | pCi/L | | 100 | 80 | 120 | | | |
| Gross Alpha precision (±) | | 14 | pCi/L | | | | | | | |
| Gross Alpha MDC | | 0.79 | pCi/L | | | | | | | |
| Lab ID: MB-GrDW-1623 | 3 | Method Blank | | | | | | | | Run: SUB-C281258 04/06/22 01:19 |
| Gross Alpha | | -0.4 | pCi/L | | | | | | | U |
| Gross Alpha precision (±) | | 0.8 | pCi/L | | | | | | | |
| Gross Alpha MDC | | 0.8 | pCi/L | | | | | | | |
| Lab ID: H22030282-001A | 3 | Sample Matrix Spike | | | | | | | | Run: SUB-C281258 04/08/22 03:51 |
| Gross Alpha | | 110 | pCi/L | | 113 | 70 | 130 | | | |
| Gross Alpha precision (±) | | 16 | pCi/L | | | | | | | |
| Gross Alpha MDC | | 1.5 | pCi/L | | | | | | | |
| Lab ID: H22030282-001A | 3 | Sample Matrix Spike Duplicate | | | | | | | | Run: SUB-C281258 04/08/22 03:51 |
| Gross Alpha | | 120 | pCi/L | | 130 | 70 | 130 | 14 | 20 | |
| Gross Alpha precision (±) | | 19 | pCi/L | | | | | | | |
| Gross Alpha MDC | | 1.5 | pCi/L | | | | | | | |
| - The RER result for alpha is 1.3. | | | | | | | | | | |

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QA/QC Summary Report

Prepared by Helena, MT Branch

Client: King Ranch Subdivision

Work Order: H22030282

Report Date: 04/21/22

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------------------|-------|---------------------------|-------|----|------|-----------|------------|-----------------------|----------|---------------------------------|
| Method: E903.0 | | | | | | | | Batch: C_RA226DW-0820 | | |
| Lab ID: LCS-RA226DW-0820 | 3 | Laboratory Control Sample | | | | | | | | |
| | | | | | | | | | | Run: SUB-C281698 04/20/22 10:03 |
| Radium 226 | | 20 | pCi/L | | 96 | 90 | 110 | | | |
| Radium 226 precision (±) | | 3.3 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.27 | pCi/L | | | | | | | |
| Lab ID: MB-RA226DW-0820 | 3 | Method Blank | | | | | | | | |
| | | | | | | | | | | Run: SUB-C281698 04/20/22 10:03 |
| Radium 226 | | 0.09 | pCi/L | | | | | | | U |
| Radium 226 precision (±) | | 0.4 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.4 | pCi/L | | | | | | | |
| Lab ID: C22030434-001ADUP | 3 | Sample Duplicate | | | | | | | | |
| | | | | | | | | | | Run: SUB-C281698 04/20/22 10:03 |
| Radium 226 | | 0.86 | pCi/L | | | | | 21 | 20 | R |
| Radium 226 precision (±) | | 0.43 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.37 | pCi/L | | | | | | | |

- Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than the limit of 2, the RER result is 0.6.

Qualifiers:

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

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QA/QC Summary Report

Prepared by Helena, MT Branch

Client: King Ranch Subdivision

Work Order: H22030282

Report Date: 04/21/22

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------------------|-------|---------------------------|-------|----|------|-----------|------------|-----------------------|----------|---------------------------------|
| Method: RA-05 | | | | | | | | Batch: C_RA228DW-0799 | | |
| Lab ID: LCS-228-RA228DW-0 | 3 | Laboratory Control Sample | | | | | | | | |
| | | | | | | | | | | Run: SUB-C280834 03/24/22 14:17 |
| Radium 228 | | 7.9 | pCi/L | | 99 | 80 | 120 | | | |
| Radium 228 precision (±) | | 1.8 | pCi/L | | | | | | | |
| Radium 228 MDC | | 0.69 | pCi/L | | | | | | | |
| Lab ID: MB-228-RA228DW-07 | 3 | Method Blank | | | | | | | | |
| | | | | | | | | | | Run: SUB-C280834 03/24/22 10:49 |
| Radium 228 | | 0.02 | pCi/L | | | | | | | U |
| Radium 228 precision (±) | | 0.5 | pCi/L | | | | | | | |
| Radium 228 MDC | | 0.6 | pCi/L | | | | | | | |
| Lab ID: H22030307-001B | 3 | Sample Duplicate | | | | | | | | |
| | | | | | | | | | | Run: SUB-C280834 03/24/22 10:49 |
| Radium 228 | | 0.15 | pCi/L | | | | | 110 | 20 | UR |
| Radium 228 precision (±) | | 0.50 | pCi/L | | | | | | | |
| Radium 228 MDC | | 0.52 | pCi/L | | | | | | | |

- Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than or equal to the limit of 2, the RER result is 0.3.

Qualifiers:

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected at Minimum Detectable Concentration (MDC)



Work Order Receipt Checklist

King Ranch Subdivision

H22030282

Login completed by: Rebecca A. Tooke

Date Received: 3/11/2022

Reviewed by: BL2000\wjohanson

Received by: RMF

Reviewed Date: 3/21/2022

Carrier name: Return-FedEx Ground

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on all shipping container(s)/cooler(s)? Yes No Not Present
- Custody seals intact on all sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time?
(Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) Yes No
- Temp Blank received in all shipping container(s)/cooler(s)? Yes No Not Applicable
- Container/Temp Blank temperature: 3.9°C On Ice
- Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4"). Yes No No VOA vials submitted
- Water - pH acceptable upon receipt? Yes No Not Applicable

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.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None



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Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 1

Account Information (Billing Information)

Company/Name King Ranch Subdivision
 Contact Craig Millam
 Phone (406) 240-9345
 Mailing Address 177771 Wild Goose
 City, State, Zip Frenchtown, MT, 59834
 Email figmin@yahoo.com
 Receive Invoice Hard Copy Email Receive Report Hard Copy Email
 Purchase Order Quote Bottle Order 39894 839895
 03102022

Report Information (if different than Account Information)

Company/Name Blue Heron Water Testing LLC
 Contact Charles Weihe
 Phone (406) 552-7175
 Mailing Address 2408 57th St.
 City, State, Zip Missoula, MT, 59803
 Email blueheronwatertesting@hotmail.com
 Receive Report Hard Copy Email
 Special Report/Forms LEVEL IV NELAC EDD/EDI (contact laboratory) Other

Comments

Blank area for comments.

Project Information

Project Name, PWSID, Permit, etc. King Ranch Subdivision 4158
 Sampler Name Charles Weihe
 Sampler Phone (406) 552-7175
 Sample Origin State Montana
 EPA/State Compliance Yes No
 MINING CLIENTS, please indicate sample type:
 *If one has been processed or refined, call before sending.
 Byproduct (1 (e)2 material) Unprocessed ore (NOT ground or refined)*

Matrix Codes

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

Analysis Requested

| Sample Identification (Name, Location, Interval, etc.) | Collection | | Number of Containers | Matrix (See Codes Above) | Analysis Requested | | | | | |
|-----------------------------------------------------------|------------|----------|----------------------|-----------------------------|--------------------|--|--|--|--|--|
| | Date | Time | | | | | | | | |
| 1 CH001 EP502 | 3/10/22 | 11:00 pm | 19 | DW | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |

See Attached

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

Signature: *[Signature]*
 ELL LAB ID: *H220307281*
 Laboratory Use Only: *282*

Custody Record MUST be signed by (print) *Charles Weihe* Date/Time *3/10/22 1600* Signature *[Signature]*
 Relinquished by (print) *Charles Weihe* Date/Time *3/10/22 1600* Signature *[Signature]*

Shipped By *[Signature]* Cooler ID(s) *[Blank]* Custody Seals N B A N J N Receipt Temp *3.9* °C Temp Blank *[Blank]* On Ice N Y N CC Cash Check Payment Type *[Blank]* Amount \$ *[Blank]* Receipt Number (cash/check only) *[Blank]*

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.



Trust our People. Trust our Data.
www.energylab.com

Billings, MT 800.735.4489 • Casper, WY 888.235.0515 • Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

BOTTLE ORDER 39895



SHIPPED Blue Heron Water Testing
TO:

Contact: Charles Weihe
2408 57th St
Missoula MT 59803-3018
Phone: (406) 552-7175
Project: Rad Testing

Order Created by: Wanda Johnson
Shipped From: Helena, MT
Ship Date: 2/22/2022
VIA: FedEx Ground

| Bottle Size/Type | Bottles Per Samp | Method | Tests | Critical Hold Time | Preservative | Notes | Num of Samp |
|------------------|------------------|--------|-------|--------------------|--------------|-------|-------------|
|------------------|------------------|--------|-------|--------------------|--------------|-------|-------------|

| RAD-DW | | | | | | | |
|------------------|---|----------|--------------------------------|--|-------------------------------|--|---|
| 250 mL Plastic | 1 | E200.8 | Total Uranium | | <input type="checkbox"/> HNO3 | | 1 |
| 1 Gallon Plastic | 1 | E900.0 | Gross Alpha, Gross Beta, Total | | <input type="checkbox"/> HNO3 | | 1 |
| | | E903.0 | Radium 226, Total | | | | |
| | | RA-05 | Radium 228, Total | | | | |
| | | E900.0 | Gross Alpha Calculated | | | | |
| | | A7500-RA | Radium 226 + Radium 228 | | | | |

Comments
Quote 15067

- HNO3 - Nitric Acid
- H2SO4 - Sulfuric Acid
- NaOH - Sodium Hydroxide
- ZnAc - Zinc Acetate
- HCl - Hydrochloric Acid
- H3PO4 - Phosphoric Acid

We strongly suggest that the samples are shipped the same day as they are collected.

Material Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets

Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.