



# ANALYTICAL SUMMARY REPORT

October 04, 2024

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

Work Order: H24090729

Project Name: King Ranch Subdivision MT0004158

Energy Laboratories Inc Helena MT received the following 6 samples for King Ranch Subdivision on 9/20/2024 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H24090729-001	Sample #1	09/10/24 6:30	09/20/24	Drinking Water	Metals by ICP/ICPMS, Drinking Water Metals Digestion by E200.2
H24090729-002	Sample #2	09/10/24 6:00	09/20/24	Drinking Water	Same As Above
H24090729-003	Sample #3	09/10/24 6:00	09/20/24	Drinking Water	Same As Above
H24090729-004	Sample #4	09/10/24 6:10	09/20/24	Drinking Water	Same As Above
H24090729-005	Sample #5	09/10/24 6:00	09/20/24	Drinking Water	Same As Above
H24090729-006	Sample6	09/04/24 11:43	09/20/24	Drinking Water	Nitrogen, Nitrate + Nitrite

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.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

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

  
Project Management

Digitally signed by  
Ravyn R. Sponholz  
Date: 2024.10.04 11:18:43 -06:00



**LABORATORY ANALYTICAL REPORT**

Prepared by Helena, MT Branch

**Client:** King Ranch Subdivision

**Client Sample ID:** Sample #1

**PWS #:** MT0004158 **Name:** KING RANCH SUBDIVISION

**Facility ID:** DS001

**SamplingPoint/Location:** SP001 / Sample #1

**Project ID:** King Ranch Subdivision MT0004158

**Collector's Name:** Charles Weihe

**Contact Phone #:** (406) 626-5255

**Compliance Sample:** YES

**Sample Type:** RT

**Lab ID:** H24090729-001

**Report Date:** 10/04/24

**Collection Date:** 09/10/24 06:30

**Date Received:** 09/20/24

**Matrix:** Drinking Water

**Federal ID#:** MT00945

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>METALS, TOTAL (CONTRACT LAB MT00945)</b>							
1022 Copper	0.05	mg/L		0.01	1.3	E200.8	09/28/24 14:21 / dck
1030 Lead	ND	mg/L		0.001	0.015	E200.8	09/28/24 14:21 / dck

**Report** RL - Analyte Reporting Limit  
**Definitions:** QCL - Quality Control Limit

MCL - Maximum Contaminant Level  
ND - Not detected at the Reporting Limit (RL)



**LABORATORY ANALYTICAL REPORT**

Prepared by Helena, MT Branch

**Client:** King Ranch Subdivision

**Client Sample ID:** Sample #2

**PWS #:** MT0004158 **Name:** KING RANCH SUBDIVISION

**Facility ID:** DS001

**Sampling Point/Location:** SP001 / Sample #2

**Project ID:** King Ranch Subdivision MT0004158

**Collector's Name:** Charles Weihe

**Contact Phone #:** (406) 626-5255

**Compliance Sample:** YES

**Sample Type:** RT

**Lab ID:** H24090729-002

**Report Date:** 10/04/24

**Collection Date:** 09/10/24 06:00

**Date Received:** 09/20/24

**Matrix:** Drinking Water

**Federal ID#:** MT00945

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>METALS, TOTAL (CONTRACT LAB MT00945)</b>							
1022 Copper	0.12	mg/L		0.01	1.3	E200.8	09/28/24 14:24 / dck
1030 Lead	ND	mg/L		0.001	0.015	E200.8	09/28/24 14:24 / dck

**Report** RL - Analyte Reporting Limit  
**Definitions:** QCL - Quality Control Limit

MCL - Maximum Contaminant Level  
ND - Not detected at the Reporting Limit (RL)



**LABORATORY ANALYTICAL REPORT**

Prepared by Helena, MT Branch

**Client:** King Ranch Subdivision

**Client Sample ID:** Sample #3

**PWS #:** MT0004158 **Name:** KING RANCH SUBDIVISION

**Facility ID:** DS001

**Sampling Point/Location:** SP001 / Sample #3

**Project ID:** King Ranch Subdivision MT0004158

**Collector's Name:** Charles Weihe

**Contact Phone #:** (406) 626-5255

**Compliance Sample:** YES

**Sample Type:** RT

**Lab ID:** H24090729-003

**Report Date:** 10/04/24

**Collection Date:** 09/10/24 06:00

**Date Received:** 09/20/24

**Matrix:** Drinking Water

**Federal ID#:** MT00945

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>METALS, TOTAL (CONTRACT LAB MT00945)</b>							
1022 Copper	0.10	mg/L		0.01	1.3	E200.8	09/28/24 14:26 / dck
1030 Lead	ND	mg/L		0.001	0.015	E200.8	09/28/24 14:26 / dck

**Report** RL - Analyte Reporting Limit  
**Definitions:** QCL - Quality Control Limit

MCL - Maximum Contaminant Level  
ND - Not detected at the Reporting Limit (RL)



**LABORATORY ANALYTICAL REPORT**

Prepared by Helena, MT Branch

**Client:** King Ranch Subdivision

**Client Sample ID:** Sample #4

**PWS #:** MT0004158 **Name:** KING RANCH SUBDIVISION

**Facility ID:** DS001

**SamplingPoint/Location:** SP001 / Sample #4

**Project ID:** King Ranch Subdivision MT0004158

**Collector's Name:** Charles Weihe

**Contact Phone #:** (406) 626-5255

**Compliance Sample:** YES

**Sample Type:** RT

**Lab ID:** H24090729-004

**Report Date:** 10/04/24

**Collection Date:** 09/10/24 06:10

**Date Received:** 09/20/24

**Matrix:** Drinking Water

**Federal ID#:** MT00945

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>METALS, TOTAL (CONTRACT LAB MT00945)</b>							
1022 Copper	0.08	mg/L		0.01	1.3	E200.8	09/28/24 14:29 / dck
1030 Lead	ND	mg/L		0.001	0.015	E200.8	09/28/24 14:29 / dck

**Report** RL - Analyte Reporting Limit  
**Definitions:** QCL - Quality Control Limit

MCL - Maximum Contaminant Level  
ND - Not detected at the Reporting Limit (RL)



**LABORATORY ANALYTICAL REPORT**

Prepared by Helena, MT Branch

**Client:** King Ranch Subdivision

**Client Sample ID:** Sample #5

**PWS #:** MT0004158 **Name:** KING RANCH SUBDIVISION

**Facility ID:** DS001

**Sampling Point/Location:** SP001 / Sample #5

**Project ID:** King Ranch Subdivision MT0004158

**Collector's Name:** Charles Weihe

**Contact Phone #:** (406) 626-5255

**Compliance Sample:** YES

**Sample Type:** RT

**Lab ID:** H24090729-005

**Report Date:** 10/04/24

**Collection Date:** 09/10/24 06:00

**Date Received:** 09/20/24

**Matrix:** Drinking Water

**Federal ID#:** MT00945

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>METALS, TOTAL (CONTRACT LAB MT00945)</b>							
1022 Copper	0.03	mg/L		0.01	1.3	E200.8	09/28/24 14:32 / dck
1030 Lead	ND	mg/L		0.001	0.015	E200.8	09/28/24 14:32 / dck

**Report** RL - Analyte Reporting Limit  
**Definitions:** QCL - Quality Control Limit

MCL - Maximum Contaminant Level  
ND - Not detected at the Reporting Limit (RL)



**LABORATORY ANALYTICAL REPORT**

Prepared by Helena, MT Branch

**Client:** King Ranch Subdivision

**Client Sample ID:** Sample6

**PWS #:** MT0004158 **Name:** KING RANCH SUBDIVISION

**Facility ID:** CH001

**SamplingPoint/Location:** EP502 / Sample6

**Project ID:** King Ranch Subdivision MT0004158

**Collector's Name:** Charles Weihe

**Contact Phone #:** (406) 626-5255

**Compliance Sample:** YES

**Sample Type:** RT

**Lab ID:** H24090729-006

**Report Date:** 10/04/24

**Collection Date:** 09/04/24 11:43

**Date Received:** 09/20/24

**Matrix:** Drinking Water

**Federal ID#:** MT00945

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>NUTRIENTS</b>							
1038 Nitrogen, Nitrate+Nitrite as N	0.32	mg/L		0.01	10	E353.2	10/02/24 18:05 / JAR

**Report** RL - Analyte Reporting Limit  
**Definitions:** QCL - Quality Control Limit

MCL - Maximum Contaminant Level  
ND - Not detected at the Reporting Limit (RL)



## Lead (Pb) and Copper (Cu) Summary Report

System Name: KING RANCH SUBDIVISION

PWSID: MT0004158

The information presented in this report is a summary of the sampling and results for compliance with the Lead and Copper Rule conducted in the year 2024 for PWSID MT0004158 for the compliance period 01-01-2024 to 12-31-2024.

### Workorder Summary:

PWSID	Company	Workorder	Date Received	No. Samples
MT0004158	King Ranch Subdivision	H24090729	9/20/2024 8:22:00 AM	5

### Sample Summary:

Lab Sample ID	Location	Sample Date	Lead (Pb) Result (mg/L)	Lead (Pb) MCL (mg/L)	Copper (Cu) Result (mg/L)	Copper (Cu) MCL (mg/L)
H24090729-002A	Sample #2	9/10/2024 6:00:00 AM	<0.001(U)	0.015	0.12	1.3
H24090729-003A	Sample #3	9/10/2024 6:00:00 AM	<0.001(U)	0.015	0.1	1.3
H24090729-005A	Sample #5	9/10/2024 6:00:00 AM	<0.001(U)	0.015	0.03	1.3
H24090729-004A	Sample #4	9/10/2024 6:10:00 AM	<0.001(U)	0.015	0.08	1.3
H24090729-001A	Sample #1	9/10/2024 6:30:00 AM	<0.001(U)	0.015	0.05	1.3

**Notes:**

mg/L - milligram per liter  
MCL - USEPA Maximum Contaminant Level  
(U) - Analyte not detected at the reporting limit

### 90th Percentile Statistics:

Parameter	Result	LOQ (mg/L)	MCL (mg/L)
Copper (Cu), 90th Percentile	0.11	0.01	1.3
Lead (Pb), 90th Percentile	0.001	0.001	0.015

**Notes:**

mg/L - milligram per liter  
LOQ - Limit of Quantitation (reporting limit)  
MCL - USEPA Maximum Contaminant Level





## QA/QC Summary Report

Prepared by Helena, MT Branch

**Client:** King Ranch Subdivision

**Work Order:** H24090729

**Report Date:** 10/04/24

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
<b>Method: E200.8</b>										Analytical Run: ICPMS205-H_240928A	
<b>Lab ID: ICV</b>	2	Initial Calibration Verification Standard								09/28/24 12:37	
Copper		0.0617	mg/L	0.010	103	90	110				
Lead		0.0590	mg/L	0.0010	98	90	110				
<b>Lab ID: CCV</b>	2	Continuing Calibration Verification Standard								09/28/24 13:42	
Copper		0.0478	mg/L	0.010	96	90	110				
Lead		0.0494	mg/L	0.0010	99	90	110				
<b>Method: E200.8</b>										Batch: R198969	
<b>Lab ID: LRB</b>	2	Method Blank								Run: ICPMS205-H_240928A	09/28/24 13:00
Copper		ND	mg/L	0.003							
Lead		ND	mg/L	0.0002							
<b>Lab ID: LFB</b>	2	Laboratory Fortified Blank								Run: ICPMS205-H_240928A	09/28/24 13:02
Copper		0.0499	mg/L	0.010	100	85	115				
Lead		0.0496	mg/L	0.0010	99	85	115				
<b>Lab ID: H24090722-007AMS</b>	2	Sample Matrix Spike								Run: ICPMS205-H_240928A	09/28/24 13:37
Copper		0.0669	mg/L	0.0050	91	70	130				
Lead		0.0528	mg/L	0.0010	106	70	130				
<b>Lab ID: H24090722-007AMSD</b>	2	Sample Matrix Spike Duplicate								Run: ICPMS205-H_240928A	09/28/24 13:39
Copper		0.0666	mg/L	0.0050	90	70	130	0.5	20		
Lead		0.0532	mg/L	0.0010	106	70	130	0.7	20		
<b>Lab ID: H24090731-002AMS</b>	2	Sample Matrix Spike								Run: ICPMS205-H_240928A	09/28/24 14:40
Copper		0.0615	mg/L	0.0050	94	70	130				
Lead		0.0530	mg/L	0.0010	106	70	130				
<b>Lab ID: H24090731-002AMSD</b>	2	Sample Matrix Spike Duplicate								Run: ICPMS205-H_240928A	09/28/24 14:42
Copper		0.0603	mg/L	0.0050	92	70	130	1.9	20		
Lead		0.0524	mg/L	0.0010	105	70	130	1.0	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:** H24090729

**Report Date:** 10/04/24

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual		
<b>Method: E353.2</b>							Analytical Run: SEAL AA500_241002A					
<b>Lab ID: ICV</b>		Initial Calibration Verification Standard									10/02/24 16:21	
Nitrogen, Nitrate+Nitrite as N		0.983	mg/L	0.010	98	90	110					
<b>Lab ID: CCV</b>							Continuing Calibration Verification Standard					10/02/24 18:00
Nitrogen, Nitrate+Nitrite as N		0.987	mg/L	0.010	99	90	110					
<b>Method: E353.2</b>							Batch: R199115					
<b>Lab ID: ICB</b>		Method Blank									Run: SEAL AA500_241002A 10/02/24 16:19	
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.007								
<b>Lab ID: LFB</b>							Laboratory Fortified Blank					Run: SEAL AA500_241002A 10/02/24 16:22
Nitrogen, Nitrate+Nitrite as N		1.00	mg/L	0.011	100	90	110					
<b>Lab ID: H24090727-003BMS</b>							Sample Matrix Spike					Run: SEAL AA500_241002A 10/02/24 18:03
Nitrogen, Nitrate+Nitrite as N		1.08	mg/L	0.011	91	90	110					
<b>Lab ID: H24090727-003BMSD</b>							Sample Matrix Spike Duplicate					Run: SEAL AA500_241002A 10/02/24 18:04
Nitrogen, Nitrate+Nitrite as N		1.10	mg/L	0.011	93	90	110	1.8	10			

**Qualifiers:**

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



# Work Order Receipt Checklist

King Ranch Subdivision

H24090729

Login completed by: Taylor K. Jones

Date Received: 9/20/2024

Reviewed by: rtooke

Received by: WJJ

Reviewed Date: 9/23/2024

Carrier name: Return-FedEx 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:	3.2°C On Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	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.

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.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

## Contact and Corrective Action Comments:

None



Trust our People. First our Data.

# Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 1

## Account Information (Billing information)

Company/Name King Ranch Subdivision  
 Contact Craig Milam  
 Phone (406) 240-9345  
 Mailing Address 17771 Wild Goose  
 City, State, Zip Frenchtown, MT. 59834  
 Email figmtn@yahoo.com  
 Receive Invoice  Hard Copy  Email  Email  
 Purchase Order 09192024  
 Quote  
 Receive Report  Hard Copy  Email  
 Bottle Order

## 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/Formats:  
 LEVEL IV  NELAC  EDD/EDT (contact laboratory)  Other

## Comments

## Project Information

Project Name, PWSID, Permit, etc. King Ranch Subdivision MT0004158  
 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 ore has been processed or refined, call before sending.  
 Byproduct 11 (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

Lead & Copper	N+N
---------------	-----

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

Sample Identification (Name, Location, Interval, etc.)	Collection		Number of Containers (See Codes Above)	Matrix (See Codes Above)	Received by (print)	Date/Time	Signature
	Date	Time					
1 Sample #1	9/10/24	6:30 am	1	DW	Received by Laboratory (print)	9-20-24	Signature
2 Sample #2	9/10/24	6:00 am	1	DW	W. Weihe	9-20-24	Signature
3 Sample #3	9/10/24	6:00 am	1	DW			
4 Sample #4	9/10/24	6:10 am	1	DW			
5 Sample #5	9/10/24	6:00 am	1	DW			
6 Sample #6	9/4/24	11:43 am	1	DW			
7							
8							
9							
10							

RUSH TAT  
 ELI LAB ID  
 Laboratory Use Only  
 #24090729

Shipped By Fedex  
 Cooler ID(s) y  
 Custody Seals Or None B  
 Receipt Temp 3.2 °C  
 Receipt Temp Blank Y N  
 On Ice Y N  
 Payment Type 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.