ANALYTICAL SUMMARY REPORT

April 11, 2022

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

Work Order: H22030745

Project Name: King Ranch Subdivision #04158

Energy Laboratories Inc Helena MT received the following 2 samples for King Ranch Subdivision on 3/30/2022 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H22030745-001	CH001 EP502	03/28/22 15:15	03/30/22	Drinking Water	Fluoride 524-Purgeable Organics, SDWA
H22030745-002	Trip Blank #10778	03/28/22 15:15	03/30/22	Trip Blank	524-Purgeable Organics, SDWA

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:

Digitally signed by
Jessica C. Smith
Date: 2022.04.11 17:20:23 -06:00

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: King Ranch Subdivision
Lab ID: H22030745-001
Client Sample ID: CH001 EP502
Report Date: 04/11/22
PWS #: MT0004158 **Name:** KING RANCH SUBDIVISION
Collection Date: 03/28/22 15:15
Facility ID: CH001
Date Received: 03/30/22
SamplingPoint/Location: EP502 / CH001 EP502
Matrix: Drinking Water
Project ID: King Ranch Subdivision #04158
Federal ID#:
Collector's Name: Charles Weihe **Contact Phone #:** (406) 626-5255
Compliance Sample: YES **Sample Type:** RT

FRDS	Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
INORGANICS								
1025	Fluoride	ND	mg/L		0.1	4	A4500-F C	04/06/22 11:10 / JAR
VOLATILE ORGANIC COMPOUNDS								
2990	Benzene	ND	ug/L		0.50	5	E524.2	04/01/22 16:18 / tmj
2993	Bromobenzene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2430	Bromochloromethane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2943	Bromodichloromethane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2942	Bromoform	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2214	Bromomethane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2422	n-Butylbenzene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2428	sec-Butylbenzene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2426	tert-Butylbenzene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2982	Carbon tetrachloride	ND	ug/L		0.50	5	E524.2	04/01/22 16:18 / tmj
2980	1,2-Dichloroethane	ND	ug/L		0.50	5	E524.2	04/01/22 16:18 / tmj
2989	Chlorobenzene	ND	ug/L		0.50	100	E524.2	04/01/22 16:18 / tmj
2944	Chlorodibromomethane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2216	Chloroethane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2941	Chloroform	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2210	Chloromethane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2965	2-Chlorotoluene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2966	4-Chlorotoluene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2931	1,2-Dibromo-3-chloropropane	ND	ug/L		1.0	0.2	E524.2	04/01/22 16:18 / tmj
2408	Dibromomethane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2968	1,2-Dichlorobenzene	ND	ug/L		0.50	600	E524.2	04/01/22 16:18 / tmj
2967	1,3-Dichlorobenzene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2969	1,4-Dichlorobenzene	ND	ug/L		0.50	75	E524.2	04/01/22 16:18 / tmj
2212	Dichlorodifluoromethane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2978	1,1-Dichloroethane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2946	1,2-Dibromoethane	ND	ug/L		0.50	0.05	E524.2	04/01/22 16:18 / tmj
2977	1,1-Dichloroethene	ND	ug/L		0.50	7	E524.2	04/01/22 16:18 / tmj
2380	cis-1,2-Dichloroethene	ND	ug/L		0.50	70	E524.2	04/01/22 16:18 / tmj
2979	trans-1,2-Dichloroethene	ND	ug/L		0.50	100	E524.2	04/01/22 16:18 / tmj
2983	1,2-Dichloropropane	ND	ug/L		0.50	5	E524.2	04/01/22 16:18 / tmj
2412	1,3-Dichloropropane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2416	2,2-Dichloropropane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2410	1,1-Dichloropropene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj

Report Definitions:
RL - Analyte Reporting Limit
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
Lab ID: H22030745-001
Client Sample ID: CH001 EP502
Report Date: 04/11/22
PWS #: MT0004158 **Name:** KING RANCH SUBDIVISION
Collection Date: 03/28/22 15:15
Facility ID: CH001
Date Received: 03/30/22
SamplingPoint/Location: EP502 / CH001 EP502
Matrix: Drinking Water
Project ID: King Ranch Subdivision #04158
Federal ID#:
Collector's Name: Charles Weihe **Contact Phone #:** (406) 626-5255
Compliance Sample: YES **Sample Type:** RT

FRDS	Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS								
2413	cis-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2224	trans-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2992	Ethylbenzene	ND	ug/L		0.50	700	E524.2	04/01/22 16:18 / tmj
2246	Hexachlorobutadiene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2994	Isopropylbenzene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2030	p-Isopropyltoluene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2251	Methyl tert-butyl ether (MTBE)	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2964	Methylene chloride	ND	ug/L		0.50	5	E524.2	04/01/22 16:18 / tmj
2248	Naphthalene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2998	n-Propylbenzene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2996	Styrene	ND	ug/L		0.50	100	E524.2	04/01/22 16:18 / tmj
2986	1,1,1,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2988	1,1,2,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2987	Tetrachloroethene	ND	ug/L		0.50	5	E524.2	04/01/22 16:18 / tmj
2991	Toluene	ND	ug/L		0.50	1000	E524.2	04/01/22 16:18 / tmj
2420	1,2,3-Trichlorobenzene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2378	1,2,4-Trichlorobenzene	ND	ug/L		0.50	70	E524.2	04/01/22 16:18 / tmj
2981	1,1,1-Trichloroethane	ND	ug/L		0.50	200	E524.2	04/01/22 16:18 / tmj
2985	1,1,2-Trichloroethane	ND	ug/L		0.50	5	E524.2	04/01/22 16:18 / tmj
2984	Trichloroethene	ND	ug/L		0.50	5	E524.2	04/01/22 16:18 / tmj
2218	Trichlorofluoromethane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2414	1,2,3-Trichloropropane	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2418	1,2,4-Trimethylbenzene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2424	1,3,5-Trimethylbenzene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2976	Vinyl chloride	ND	ug/L		0.50	2	E524.2	04/01/22 16:18 / tmj
2963	m+p-Xylenes	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2997	o-Xylene	ND	ug/L		0.50		E524.2	04/01/22 16:18 / tmj
2950	Trihalomethanes, Total	ND	ug/L		0.50	80	E524.2	04/01/22 16:18 / tmj
2955	Xylenes, Total	ND	ug/L		0.50	10000	E524.2	04/01/22 16:18 / tmj
	Surr: p-Bromofluorobenzene	108	%REC			70-130	E524.2	04/01/22 16:18 / tmj
	Surr: 1,2-Dichloroethane-d4	99.0	%REC			70-130	E524.2	04/01/22 16:18 / tmj
	Surr: Toluene-d8	106	%REC			70-130	E524.2	04/01/22 16:18 / tmj

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LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: King Ranch Subdivision
Lab ID: H22030745-002
Client Sample ID: Trip Blank #10778
Report Date: 04/11/22
PWS #: **Name:** UNKNOWN
Collection Date: 03/28/22 15:15
Facility ID:
Date Received: 03/30/22
SamplingPoint/Location:
Matrix: Trip Blank
Project ID: King Ranch Subdivision #04158
Federal ID#:
Collector's Name: ELI
Contact Phone #: (406) 626-5255
Compliance Sample: YES
Sample Type: RT

FRDS	Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS								
2990	Benzene	ND	ug/L		0.50	5	E524.2	04/01/22 14:12 / tmj
2993	Bromobenzene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2430	Bromochloromethane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2943	Bromodichloromethane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2942	Bromoform	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2214	Bromomethane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2422	n-Butylbenzene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2428	sec-Butylbenzene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2426	tert-Butylbenzene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2982	Carbon tetrachloride	ND	ug/L		0.50	5	E524.2	04/01/22 14:12 / tmj
2980	1,2-Dichloroethane	ND	ug/L		0.50	5	E524.2	04/01/22 14:12 / tmj
2989	Chlorobenzene	ND	ug/L		0.50	100	E524.2	04/01/22 14:12 / tmj
2944	Chlorodibromomethane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2216	Chloroethane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2941	Chloroform	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2210	Chloromethane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2965	2-Chlorotoluene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2966	4-Chlorotoluene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2931	1,2-Dibromo-3-chloropropane	ND	ug/L		1.0	0.2	E524.2	04/01/22 14:12 / tmj
2408	Dibromomethane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2968	1,2-Dichlorobenzene	ND	ug/L		0.50	600	E524.2	04/01/22 14:12 / tmj
2967	1,3-Dichlorobenzene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2969	1,4-Dichlorobenzene	ND	ug/L		0.50	75	E524.2	04/01/22 14:12 / tmj
2212	Dichlorodifluoromethane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2978	1,1-Dichloroethane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2946	1,2-Dibromoethane	ND	ug/L		0.50	0.05	E524.2	04/01/22 14:12 / tmj
2977	1,1-Dichloroethene	ND	ug/L		0.50	7	E524.2	04/01/22 14:12 / tmj
2380	cis-1,2-Dichloroethene	ND	ug/L		0.50	70	E524.2	04/01/22 14:12 / tmj
2979	trans-1,2-Dichloroethene	ND	ug/L		0.50	100	E524.2	04/01/22 14:12 / tmj
2983	1,2-Dichloropropane	ND	ug/L		0.50	5	E524.2	04/01/22 14:12 / tmj
2412	1,3-Dichloropropane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2416	2,2-Dichloropropane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2410	1,1-Dichloropropene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2413	cis-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2224	trans-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2992	Ethylbenzene	ND	ug/L		0.50	700	E524.2	04/01/22 14:12 / tmj

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: King Ranch Subdivision
Lab ID: H22030745-002
Client Sample ID: Trip Blank #10778
Report Date: 04/11/22
PWS #: **Name:** UNKNOWN
Collection Date: 03/28/22 15:15
Facility ID:
Date Received: 03/30/22
SamplingPoint/Location:
Matrix: Trip Blank
Project ID: King Ranch Subdivision #04158
Federal ID#:
Collector's Name: ELI
Contact Phone #: (406) 626-5255
Compliance Sample: YES
Sample Type: RT

FRDS	Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
	VOLATILE ORGANIC COMPOUNDS							
2246	Hexachlorobutadiene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2994	Isopropylbenzene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2030	p-Isopropyltoluene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2251	Methyl tert-butyl ether (MTBE)	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2964	Methylene chloride	ND	ug/L		0.50	5	E524.2	04/01/22 14:12 / tmj
2248	Naphthalene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2998	n-Propylbenzene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2996	Styrene	ND	ug/L		0.50	100	E524.2	04/01/22 14:12 / tmj
2986	1,1,1,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2988	1,1,2,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2987	Tetrachloroethene	ND	ug/L		0.50	5	E524.2	04/01/22 14:12 / tmj
2991	Toluene	ND	ug/L		0.50	1000	E524.2	04/01/22 14:12 / tmj
2420	1,2,3-Trichlorobenzene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2378	1,2,4-Trichlorobenzene	ND	ug/L		0.50	70	E524.2	04/01/22 14:12 / tmj
2981	1,1,1-Trichloroethane	ND	ug/L		0.50	200	E524.2	04/01/22 14:12 / tmj
2985	1,1,2-Trichloroethane	ND	ug/L		0.50	5	E524.2	04/01/22 14:12 / tmj
2984	Trichloroethene	ND	ug/L		0.50	5	E524.2	04/01/22 14:12 / tmj
2218	Trichlorofluoromethane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2414	1,2,3-Trichloropropane	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2418	1,2,4-Trimethylbenzene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2424	1,3,5-Trimethylbenzene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2976	Vinyl chloride	ND	ug/L		0.50	2	E524.2	04/01/22 14:12 / tmj
2963	m+p-Xylenes	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2997	o-Xylene	ND	ug/L		0.50		E524.2	04/01/22 14:12 / tmj
2950	Trihalomethanes, Total	ND	ug/L		0.50	80	E524.2	04/01/22 14:12 / tmj
2955	Xylenes, Total	ND	ug/L		0.50	10000	E524.2	04/01/22 14:12 / tmj
	Surr: p-Bromofluorobenzene	109	%REC			70-130	E524.2	04/01/22 14:12 / tmj
	Surr: 1,2-Dichloroethane-d4	91.0	%REC			70-130	E524.2	04/01/22 14:12 / tmj
	Surr: Toluene-d8	111	%REC			70-130	E524.2	04/01/22 14:12 / tmj

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
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ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: King Ranch Subdivision **Work Order:** H22030745 **Report Date:** 04/11/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A4500-F C**									Analytical Run: MANTECH 2_220406A	
Lab ID: **ICV**	Initial Calibration Verification Standard								04/06/22 10:28	
Fluoride		0.7	mg/L	0.1	93	90	110			
Method: **A4500-F C**									Batch: R173552	
Lab ID: **MBLK**	Method Blank					Run: MANTECH 2_220406A			04/06/22 10:34	
Fluoride		ND	mg/L	0.02						
Lab ID: **H22030738-001ADUP**	Sample Duplicate					Run: MANTECH 2_220406A			04/06/22 10:46	
Fluoride		0.1	mg/L	0.1					10	
Lab ID: **H22030742-002AMS**	Sample Matrix Spike					Run: MANTECH 2_220406A			04/06/22 10:58	
Fluoride		0.9	mg/L	0.1	89	85	115			

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:** H22030745 **Report Date:** 04/11/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2										Analytical Run: R173456
Lab ID: 01-Apr-22_CCV_1	65	Continuing Calibration Verification Standard								04/01/22 10:43
Benzene		5.50	ug/L	0.50	110	70	130			
Bromobenzene		5.54	ug/L	0.50	111	70	130			
Bromochloromethane		5.80	ug/L	0.50	116	70	130			
Bromodichloromethane		5.47	ug/L	0.50	109	70	130			
Bromoform		6.20	ug/L	0.50	124	70	130			
Bromomethane		5.80	ug/L	0.50	116	70	130			
n-Butylbenzene		5.08	ug/L	0.50	102	70	130			
sec-Butylbenzene		5.24	ug/L	0.50	105	70	130			
tert-Butylbenzene		5.45	ug/L	0.50	109	70	130			
Carbon tetrachloride		5.43	ug/L	0.50	109	70	130			
1,2-Dichloroethane		4.55	ug/L	0.50	91	70	130			
Chlorobenzene		5.68	ug/L	0.50	114	70	130			
Chlorodibromomethane		5.78	ug/L	0.50	116	70	130			
Chloroethane		6.13	ug/L	0.50	123	70	130			
Chloroform		5.50	ug/L	0.50	110	70	130			
Chloromethane		5.37	ug/L	0.50	107	70	130			
2-Chlorotoluene		5.57	ug/L	0.50	111	70	130			
4-Chlorotoluene		5.34	ug/L	0.50	107	70	130			
1,2-Dibromo-3-chloropropane		4.07	ug/L	1.0	81	70	130			
Dibromomethane		5.74	ug/L	0.50	115	70	130			
1,2-Dichlorobenzene		5.38	ug/L	0.50	108	70	130			
1,3-Dichlorobenzene		5.50	ug/L	0.50	110	70	130			
1,4-Dichlorobenzene		5.38	ug/L	0.50	108	70	130			
Dichlorodifluoromethane		5.49	ug/L	0.50	110	70	130			
1,1-Dichloroethane		5.43	ug/L	0.50	109	70	130			
1,2-Dibromoethane		5.50	ug/L	0.50	110	70	130			
1,1-Dichloroethene		6.14	ug/L	0.50	123	70	130			
cis-1,2-Dichloroethene		5.72	ug/L	0.50	114	70	130			
trans-1,2-Dichloroethene		6.11	ug/L	0.50	122	70	130			
1,2-Dichloropropane		5.43	ug/L	0.50	109	70	130			
1,3-Dichloropropane		5.25	ug/L	0.50	105	70	130			
2,2-Dichloropropane		5.64	ug/L	0.50	113	70	130			
1,1-Dichloropropene		5.58	ug/L	0.50	112	70	130			
cis-1,3-Dichloropropene		5.20	ug/L	0.50	104	70	130			
trans-1,3-Dichloropropene		5.18	ug/L	0.50	104	70	130			
Ethylbenzene		5.71	ug/L	0.50	114	70	130			
Hexachlorobutadiene		5.62	ug/L	0.50	112	70	130			
Isopropylbenzene		5.41	ug/L	0.50	108	70	130			
p-Isopropyltoluene		5.38	ug/L	0.50	108	70	130			
Methyl tert-butyl ether (MTBE)		4.77	ug/L	0.50	95	70	130			
Methylene chloride		5.30	ug/L	0.50	106	70	130			
Naphthalene		4.14	ug/L	0.50	83	70	130			
n-Propylbenzene		5.54	ug/L	0.50	111	70	130			
Styrene		5.72	ug/L	0.50	114	70	130			
1,1,1,2-Tetrachloroethane		5.42	ug/L	0.50	108	70	130			

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:** H22030745 **Report Date:** 04/11/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2										Analytical Run: R173456
Lab ID: 01-Apr-22_CCV_1	65	Continuing Calibration Verification Standard								04/01/22 10:43
1,1,2,2-Tetrachloroethane		5.23	ug/L	0.50	105	70	130			
Tetrachloroethene		6.27	ug/L	0.50	125	70	130			
Toluene		5.85	ug/L	0.50	117	70	130			
1,2,3-Trichlorobenzene		4.38	ug/L	0.50	88	70	130			
1,2,4-Trichlorobenzene		4.57	ug/L	0.50	91	70	130			
1,1,1-Trichloroethane		5.25	ug/L	0.50	105	70	130			
1,1,2-Trichloroethane		5.62	ug/L	0.50	112	70	130			
Trichloroethene		5.85	ug/L	0.50	117	70	130			
Trichlorofluoromethane		5.60	ug/L	0.50	112	70	130			
1,2,3-Trichloropropane		5.13	ug/L	0.50	103	70	130			
1,2,4-Trimethylbenzene		5.35	ug/L	0.50	107	70	130			
1,3,5-Trimethylbenzene		5.34	ug/L	0.50	107	70	130			
Vinyl chloride		5.94	ug/L	0.50	119	70	130			
m+p-Xylenes		11.8	ug/L	0.50	118	70	130			
o-Xylene		5.63	ug/L	0.50	113	70	130			
Trihalomethanes, Total		23.0	ug/L	0.50	115	70	130			
Xylenes, Total		17.5	ug/L	0.50	116	70	130			
Surr: p-Bromofluorobenzene				0.50	104	70	130			
Surr: 1,2-Dichloroethane-d4				0.50	95	70	130			
Surr: Toluene-d8				0.50	107	70	130			
Lab ID: 01-Apr-22_CCV1_3	8	Continuing Calibration Verification Standard								04/01/22 12:31
Bromodichloromethane		0.492	ug/L	0.50	98	50	150			
Bromoform		0.525	ug/L	0.50	105	50	150			
Chlorodibromomethane		0.463	ug/L	0.50	93	50	150			
Chloroform		0.472	ug/L	0.50	94	50	150			
Trihalomethanes, Total		1.95	ug/L	0.50	98	50	150			
Surr: 1,2-Dichloroethane-d4				0.50	90	70	130			
Surr: p-Bromofluorobenzene				0.50	110	70	130			
Surr: Toluene-d8				0.50	109	70	130			
Method: E524.2										Batch: R173456
Lab ID: 01-Apr-22_LCS_2	65	Laboratory Control Sample				Run: 5973MSD_220401A				04/01/22 11:39
Benzene		5.04	ug/L	0.50	101	70	130			
Bromobenzene		5.34	ug/L	0.50	107	70	130			
Bromochloromethane		5.14	ug/L	0.50	103	70	130			
Bromodichloromethane		4.78	ug/L	0.50	96	70	130			
Bromoform		5.15	ug/L	0.50	103	70	130			
Bromomethane		5.44	ug/L	0.50	109	70	130			
n-Butylbenzene		5.11	ug/L	0.50	102	70	130			
sec-Butylbenzene		4.98	ug/L	0.50	100	70	130			
tert-Butylbenzene		5.24	ug/L	0.50	105	70	130			
Carbon tetrachloride		5.02	ug/L	0.50	100	70	130			
1,2-Dichloroethane		4.04	ug/L	0.50	81	70	130			
Chlorobenzene		5.23	ug/L	0.50	105	70	130			

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:** H22030745 **Report Date:** 04/11/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2										Batch: R173456
Lab ID: 01-Apr-22_LCS_2	65	Laboratory Control Sample				Run: 5973MSD_220401A				04/01/22 11:39
Chlorodibromomethane		5.05	ug/L	0.50	101	70	130			
Chloroethane		5.76	ug/L	0.50	115	70	130			
Chloroform		5.02	ug/L	0.50	100	70	130			
Chloromethane		5.30	ug/L	0.50	106	70	130			
2-Chlorotoluene		5.32	ug/L	0.50	106	70	130			
4-Chlorotoluene		4.97	ug/L	0.50	99	70	130			
1,2-Dibromo-3-chloropropane		3.60	ug/L	1.0	72	70	130			
Dibromomethane		5.12	ug/L	0.50	102	70	130			
1,2-Dichlorobenzene		4.92	ug/L	0.50	98	70	130			
1,3-Dichlorobenzene		4.97	ug/L	0.50	99	70	130			
1,4-Dichlorobenzene		5.00	ug/L	0.50	100	70	130			
Dichlorodifluoromethane		4.67	ug/L	0.50	93	70	130			
1,1-Dichloroethane		4.97	ug/L	0.50	99	70	130			
1,2-Dibromoethane		5.12	ug/L	0.50	102	70	130			
1,1-Dichloroethene		5.63	ug/L	0.50	113	70	130			
cis-1,2-Dichloroethene		5.18	ug/L	0.50	104	70	130			
trans-1,2-Dichloroethene		5.65	ug/L	0.50	113	70	130			
1,2-Dichloropropane		4.97	ug/L	0.50	99	70	130			
1,3-Dichloropropane		4.75	ug/L	0.50	95	70	130			
2,2-Dichloropropane		5.27	ug/L	0.50	105	70	130			
1,1-Dichloropropene		5.18	ug/L	0.50	104	70	130			
cis-1,3-Dichloropropene		4.95	ug/L	0.50	99	70	130			
trans-1,3-Dichloropropene		4.41	ug/L	0.50	88	70	130			
Ethylbenzene		5.40	ug/L	0.50	108	70	130			
Hexachlorobutadiene		5.43	ug/L	0.50	109	70	130			
Isopropylbenzene		5.27	ug/L	0.50	105	70	130			
p-Isopropyltoluene		5.08	ug/L	0.50	102	70	130			
Methyl tert-butyl ether (MTBE)		4.19	ug/L	0.50	84	70	130			
Methylene chloride		4.43	ug/L	0.50	89	70	130			
Naphthalene		3.66	ug/L	0.50	73	70	130			
n-Propylbenzene		5.42	ug/L	0.50	108	70	130			
Styrene		5.26	ug/L	0.50	105	70	130			
1,1,1,2-Tetrachloroethane		5.00	ug/L	0.50	100	70	130			
1,1,2,2-Tetrachloroethane		4.52	ug/L	0.50	90	70	130			
Tetrachloroethene		6.06	ug/L	0.50	121	70	130			
Toluene		5.51	ug/L	0.50	110	70	130			
1,2,3-Trichlorobenzene		3.62	ug/L	0.50	72	70	130			
1,2,4-Trichlorobenzene		4.03	ug/L	0.50	81	70	130			
1,1,1-Trichloroethane		4.93	ug/L	0.50	99	70	130			
1,1,2-Trichloroethane		4.89	ug/L	0.50	98	70	130			
Trichloroethene		5.51	ug/L	0.50	110	70	130			
Trichlorofluoromethane		5.34	ug/L	0.50	107	70	130			
1,2,3-Trichloropropane		4.97	ug/L	0.50	99	70	130			
1,2,4-Trimethylbenzene		5.08	ug/L	0.50	102	70	130			
1,3,5-Trimethylbenzene		5.16	ug/L	0.50	103	70	130			

Qualifiers:

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QA/QC Summary Report

Prepared by Helena, MT Branch

Client: King Ranch Subdivision **Work Order:** H22030745 **Report Date:** 04/11/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2										Batch: R173456
Lab ID: 01-Apr-22_LCS_2	65	Laboratory Control Sample				Run: 5973MSD_220401A			04/01/22 11:39	
Vinyl chloride		5.70	ug/L	0.50	114	70	130			
m+p-Xylenes		11.4	ug/L	0.50	114	70	130			
o-Xylene		5.34	ug/L	0.50	107	70	130			
Trihalomethanes, Total		20.0	ug/L	0.50	100	70	130			
Xylenes, Total		16.7	ug/L	0.50	111	70	130			
Surr: p-Bromofluorobenzene				0.50	105	70	130			
Surr: 1,2-Dichloroethane-d4				0.50	89	70	130			
Surr: Toluene-d8				0.50	111	70	130			
Lab ID: 01-Apr-22_MBLK_4	65	Method Blank				Run: 5973MSD_220401A			04/01/22 13:02	
Benzene		ND	ug/L	0.50						
Bromobenzene		ND	ug/L	0.50						
Bromochloromethane		ND	ug/L	0.50						
Bromodichloromethane		ND	ug/L	0.50						
Bromoform		ND	ug/L	0.50						
Bromomethane		ND	ug/L	0.50						
n-Butylbenzene		ND	ug/L	0.50						
sec-Butylbenzene		ND	ug/L	0.50						
tert-Butylbenzene		ND	ug/L	0.50						
Carbon tetrachloride		ND	ug/L	0.50						
1,2-Dichloroethane		ND	ug/L	0.50						
Chlorobenzene		ND	ug/L	0.50						
Chlorodibromomethane		ND	ug/L	0.50						
Chloroethane		ND	ug/L	0.50						
Chloroform		ND	ug/L	0.50						
Chloromethane		ND	ug/L	0.50						
2-Chlorotoluene		ND	ug/L	0.50						
4-Chlorotoluene		ND	ug/L	0.50						
1,2-Dibromo-3-chloropropane		ND	ug/L	1.0						
Dibromomethane		ND	ug/L	0.50						
1,2-Dichlorobenzene		ND	ug/L	0.50						
1,3-Dichlorobenzene		ND	ug/L	0.50						
1,4-Dichlorobenzene		ND	ug/L	0.50						
Dichlorodifluoromethane		ND	ug/L	0.50						
1,1-Dichloroethane		ND	ug/L	0.50						
1,2-Dibromoethane		ND	ug/L	0.50						
1,1-Dichloroethene		ND	ug/L	0.50						
cis-1,2-Dichloroethene		ND	ug/L	0.50						
trans-1,2-Dichloroethene		ND	ug/L	0.50						
1,2-Dichloropropane		ND	ug/L	0.50						
1,3-Dichloropropane		ND	ug/L	0.50						
2,2-Dichloropropane		ND	ug/L	0.50						
1,1-Dichloropropene		ND	ug/L	0.50						
cis-1,3-Dichloropropene		ND	ug/L	0.50						
trans-1,3-Dichloropropene		ND	ug/L	0.50						

Qualifiers:

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QA/QC Summary Report

Prepared by Helena, MT Branch

Client: King Ranch Subdivision **Work Order:** H22030745 **Report Date:** 04/11/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2										Batch: R173456
Lab ID: 01-Apr-22_MBLK_4	65	Method Blank				Run: 5973MSD_220401A				04/01/22 13:02
Ethylbenzene		ND	ug/L	0.50						
Hexachlorobutadiene		ND	ug/L	0.50						
Isopropylbenzene		ND	ug/L	0.50						
p-Isopropyltoluene		ND	ug/L	0.50						
Methyl tert-butyl ether (MTBE)		ND	ug/L	0.50						
Methylene chloride		ND	ug/L	0.50						
Naphthalene		ND	ug/L	0.50						
n-Propylbenzene		ND	ug/L	0.50						
Styrene		ND	ug/L	0.50						
1,1,1,2-Tetrachloroethane		ND	ug/L	0.50						
1,1,2,2-Tetrachloroethane		ND	ug/L	0.50						
Tetrachloroethene		ND	ug/L	0.50						
Toluene		ND	ug/L	0.50						
1,2,3-Trichlorobenzene		ND	ug/L	0.50						
1,2,4-Trichlorobenzene		ND	ug/L	0.50						
1,1,1-Trichloroethane		ND	ug/L	0.50						
1,1,2-Trichloroethane		ND	ug/L	0.50						
Trichloroethene		ND	ug/L	0.50						
Trichlorofluoromethane		ND	ug/L	0.50						
1,2,3-Trichloropropane		ND	ug/L	0.50						
1,2,4-Trimethylbenzene		ND	ug/L	0.50						
1,3,5-Trimethylbenzene		ND	ug/L	0.50						
Vinyl chloride		ND	ug/L	0.50						
m+p-Xylenes		ND	ug/L	0.50						
o-Xylene		ND	ug/L	0.50						
Trihalomethanes, Total		ND	ug/L	0.50						
Xylenes, Total		ND	ug/L	0.50						
Surr: p-Bromofluorobenzene				0.50	107	70	130			
Surr: 1,2-Dichloroethane-d4				0.50	97	70	130			
Surr: Toluene-d8				0.50	105	70	130			
Lab ID: H22030753-001FDUP	65	Sample Duplicate				Run: 5973MSD_220401A				04/04/22 17:06
Benzene		ND	ug/L	0.50					20	
Bromobenzene		ND	ug/L	0.50					20	
Bromochloromethane		ND	ug/L	0.50					20	
Bromodichloromethane		ND	ug/L	0.50					20	
Bromoform		ND	ug/L	0.50					20	
Bromomethane		ND	ug/L	0.50					20	
n-Butylbenzene		ND	ug/L	0.50					20	
sec-Butylbenzene		ND	ug/L	0.50					20	
tert-Butylbenzene		ND	ug/L	0.50					20	
Carbon tetrachloride		ND	ug/L	0.50					20	
1,2-Dichloroethane		ND	ug/L	0.50					20	
Chlorobenzene		ND	ug/L	0.50					20	
Chlorodibromomethane		ND	ug/L	0.50					20	

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QA/QC Summary Report

Prepared by Helena, MT Branch

Client: King Ranch Subdivision **Work Order:** H22030745 **Report Date:** 04/11/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2										Batch: R173456
Lab ID: H22030753-001FDUP	65	Sample Duplicate				Run: 5973MSD_220401A				04/04/22 17:06
Chloroethane		ND	ug/L	0.50					20	
Chloroform		ND	ug/L	0.50					20	
Chloromethane		ND	ug/L	0.50					20	
2-Chlorotoluene		ND	ug/L	0.50					20	
4-Chlorotoluene		ND	ug/L	0.50					20	
1,2-Dibromo-3-chloropropane		ND	ug/L	1.0					20	
Dibromomethane		ND	ug/L	0.50					20	
1,2-Dichlorobenzene		ND	ug/L	0.50					20	
1,3-Dichlorobenzene		ND	ug/L	0.50					20	
1,4-Dichlorobenzene		ND	ug/L	0.50					20	
Dichlorodifluoromethane		ND	ug/L	0.50					20	
1,1-Dichloroethane		0.204	ug/L	0.50					20	
1,2-Dibromoethane		ND	ug/L	0.50					20	
1,1-Dichloroethene		ND	ug/L	0.50					20	
cis-1,2-Dichloroethene		ND	ug/L	0.50					20	
trans-1,2-Dichloroethene		ND	ug/L	0.50					20	
1,2-Dichloropropane		ND	ug/L	0.50					20	
1,3-Dichloropropane		ND	ug/L	0.50					20	
2,2-Dichloropropane		ND	ug/L	0.50					20	
1,1-Dichloropropene		ND	ug/L	0.50					20	
cis-1,3-Dichloropropene		ND	ug/L	0.50					20	
trans-1,3-Dichloropropene		ND	ug/L	0.50					20	
Ethylbenzene		ND	ug/L	0.50					20	
Hexachlorobutadiene		ND	ug/L	0.50					20	
Isopropylbenzene		ND	ug/L	0.50					20	
p-Isopropyltoluene		ND	ug/L	0.50					20	
Methyl tert-butyl ether (MTBE)		0.208	ug/L	0.50					20	
Methylene chloride		ND	ug/L	0.50					20	
Naphthalene		ND	ug/L	0.50					20	
n-Propylbenzene		ND	ug/L	0.50					20	
Styrene		ND	ug/L	0.50					20	
1,1,1,2-Tetrachloroethane		ND	ug/L	0.50					20	
1,1,2,2-Tetrachloroethane		ND	ug/L	0.50					20	
Tetrachloroethene		ND	ug/L	0.50					20	
Toluene		ND	ug/L	0.50					20	
1,2,3-Trichlorobenzene		ND	ug/L	0.50					20	
1,2,4-Trichlorobenzene		ND	ug/L	0.50					20	
1,1,1-Trichloroethane		ND	ug/L	0.50					20	
1,1,2-Trichloroethane		ND	ug/L	0.50					20	
Trichloroethene		ND	ug/L	0.50					20	
Trichlorofluoromethane		ND	ug/L	0.50					20	
1,2,3-Trichloropropane		ND	ug/L	0.50					20	
1,2,4-Trimethylbenzene		ND	ug/L	0.50					20	
1,3,5-Trimethylbenzene		ND	ug/L	0.50					20	
Vinyl chloride		ND	ug/L	0.50					20	

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QA/QC Summary Report

Prepared by Helena, MT Branch

Client: King Ranch Subdivision **Work Order:** H22030745 **Report Date:** 04/11/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E524.2**										Batch: R173456
Lab ID: **H22030753-001FDUP**	65	Sample Duplicate				Run: 5973MSD_220401A				04/04/22 17:06
m+p-Xylenes		ND	ug/L	0.50					20	
o-Xylene		ND	ug/L	0.50					20	
Trihalomethanes, Total		ND	ug/L	0.50					20	
Xylenes, Total		ND	ug/L	0.50					20	
Surr: p-Bromofluorobenzene				0.50	110	70	130			
Surr: 1,2-Dichloroethane-d4				0.50	92	70	130			
Surr: Toluene-d8				0.50	108	70	130			

Qualifiers:

RL - Analyte Reporting Limit

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Work Order Receipt Checklist

King Ranch Subdivision

H22030745

Login completed by:	Rebecca A. Tooke	Date Received:	3/30/2022
Reviewed by:	BL2000\jcsmith	Received by:	RAT
Reviewed Date:	4/11/2022	Carrier name:	Hand Deliver

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:	2.4°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

ENERGY LABORATORIES
Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 1

Account Information (Billing Information)

Company/Name	King Ranch Subdivsion
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
Receive Report	☒Hard Copy ☒Email
Purchase Order	03102022-A
Quote	
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 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 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 - Soils/Solids
V - Vegetation
B - Bioassay
O - Other
DW - Drinking Water

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 Date	Collection Time	Number of Containers	Matrix (See Codes Above)	Analysis Requested: VOC	Analysis Requested: Fluoride	See Attached	RUSH TAT	ELI LAB ID (Laboratory Use Only)
1	CH001 EP502	3/28/22	3.15 pm	4	DW	✓	✓	●		L22030745
2										
3										
4										
5										
6										
7										
8										
9										
10										

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Charles Weihe	30MAR22 1215				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Rebecca Foote	3-30-22 1215	

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals	Intact	Receipt Temp	Temp Blank	On Ice	Payment Type	Amount	Receipt Number (cash/check only)
hand	1	Y (N) C B	Y N	2.4 °C	(Y) N	(Y) N	CC Cash Check_____	$	

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.