



ANALYTICAL SUMMARY REPORT

December 04, 2019

Duraroot
4626 WCR65
Keenesberg, CO 80643-8731

Work Order: B19111823

Project Name: Flessner 9

Energy Laboratories Inc Billings MT received the following 8 samples for Duraroot on 11/20/2019 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B19111823-001	S1 [0-6]inches	11/18/19 12:00	11/20/19	Solid	Cation Exchange Capacity Metals, NH4OAC Extractable Metals, Saturated Paste Conductivity, Saturated Paste Extract Exchangeable Sodium Percentage pH, Saturated Paste NH4AC Soil Extraction for CEC USDA19 Ammonium Acetate Extraction ASA13-3 Saturated Paste Extraction ASA Sodium Adsorption Ratio Saturation Percentage
B19111823-002	S1 [6-18]inches	11/18/19 12:15	11/20/19	Solid	Same As Above
B19111823-003	S2 [0-6]inches	11/18/19 12:20	11/20/19	Solid	Same As Above
B19111823-004	S2 [6-18]inches	11/18/19 12:25	11/20/19	Solid	Same As Above
B19111823-005	S3 [0-6]inches	11/18/19 12:30	11/20/19	Solid	Same As Above
B19111823-006	S3 [6-18]inches	11/18/19 12:35	11/20/19	Solid	Same As Above
B19111823-007	S4 [0-6]inches	11/18/19 12:40	11/20/19	Solid	Same As Above
B19111823-008	S4 [6-18]inches	11/18/19 12:45	11/20/19	Solid	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, 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 Billings, MT Branch

Client: Duraroot
Project: Flessner 9

Report Date: 12/04/19

Lab ID: B19111823-001
Client Sample ID: S1 [0-6]

Collection Date: 11/18/19 12:00
DateReceived: 11/20/19
Matrix: Solid

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	25.0	meq/100g	D	0.1		SW6010B	12/03/19 18:30 / rlh
SATURATED PASTE EXTRACT							
pH, sat. paste	7.8	s.u.		0.1		ASA10-3	11/26/19 14:22 / srm
Conductivity, sat. paste	13.5	mmhos/cm		0.1		ASA10-3	11/26/19 14:22 / srm
Saturation	48.1	wt%		0.1		USDA27a	12/04/19 08:45 / srm
Calcium, sat. paste	22.7	meq/L	D	0.09		SW6010B	11/27/19 11:15 / rlh
Magnesium, sat. paste	11.3	meq/L		0.08		SW6010B	11/27/19 11:15 / rlh
Sodium, sat. paste	226	meq/L	D	0.2		SW6010B	11/27/19 11:15 / rlh
Sodium Adsorption Ratio (SAR)	54.9	unitless		0.01		Calculation	11/27/19 13:30 / srm
CHEMICAL CHARACTERISTICS							
Exchangeable Sodium Percentage	31.6	%		0.1		USDA20a	12/04/19 08:45 / srm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, extractable	18.8	meq/100g	D	0.006		SW6010B	12/03/19 16:54 / rlh

Lab ID: B19111823-002
Client Sample ID: S1 [6-18]

Collection Date: 11/18/19 12:15
DateReceived: 11/20/19
Matrix: Solid

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	34.8	meq/100g	D	0.1		SW6010B	12/03/19 18:38 / rlh
SATURATED PASTE EXTRACT							
pH, sat. paste	8.0	s.u.		0.1		ASA10-3	11/26/19 14:22 / srm
Conductivity, sat. paste	9.4	mmhos/cm		0.1		ASA10-3	11/26/19 14:22 / srm
Saturation	81.9	wt%		0.1		USDA27a	12/04/19 08:45 / srm
Calcium, sat. paste	4.21	meq/L	D	0.09		SW6010B	11/27/19 11:23 / rlh
Magnesium, sat. paste	4.13	meq/L		0.08		SW6010B	11/27/19 11:23 / rlh
Sodium, sat. paste	120	meq/L	D	0.2		SW6010B	11/27/19 11:23 / rlh
Sodium Adsorption Ratio (SAR)	59.0	unitless		0.01		Calculation	11/27/19 13:30 / srm
CHEMICAL CHARACTERISTICS							
Exchangeable Sodium Percentage	32.8	%		0.1		USDA20a	12/04/19 08:45 / srm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, extractable	21.3	meq/100g	D	0.006		SW6010B	12/03/19 17:10 / rlh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Duraroot
Project: Flessner 9

Report Date: 12/04/19

Lab ID: B19111823-003
Client Sample ID: S2 [0-6]

Collection Date: 11/18/19 12:20
DateReceived: 11/20/19
Matrix: Solid

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	23.6	meq/100g	D	0.1		SW6010B	12/03/19 18:47 / rlh
SATURATED PASTE EXTRACT							
pH, sat. paste	7.9	s.u.		0.1		ASA10-3	11/26/19 14:22 / srm
Conductivity, sat. paste	8.1	mmhos/cm		0.1		ASA10-3	11/26/19 14:22 / srm
Saturation	48.3	wt%		0.1		USDA27a	12/04/19 08:45 / srm
Calcium, sat. paste	3.91	meq/L		0.05		SW6010B	11/27/19 11:32 / rlh
Magnesium, sat. paste	1.23	meq/L		0.08		SW6010B	11/27/19 11:32 / rlh
Sodium, sat. paste	54.3	meq/L	D	0.09		SW6010B	11/27/19 11:32 / rlh
Sodium Adsorption Ratio (SAR)	33.8	unitless		0.01		Calculation	11/27/19 13:30 / srm
CHEMICAL CHARACTERISTICS							
Exchangeable Sodium Percentage	43.5	%		0.1		USDA20a	12/04/19 08:45 / srm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, extractable	12.9	meq/100g	D	0.006		SW6010B	12/03/19 17:19 / rlh

Lab ID: B19111823-004
Client Sample ID: S2 [6-18]

Collection Date: 11/18/19 12:25
DateReceived: 11/20/19
Matrix: Solid

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	31.4	meq/100g	D	0.1		SW6010B	12/03/19 18:51 / rlh
SATURATED PASTE EXTRACT							
pH, sat. paste	8.4	s.u.		0.1		ASA10-3	11/26/19 14:22 / srm
Conductivity, sat. paste	5.3	mmhos/cm		0.1		ASA10-3	11/26/19 14:22 / srm
Saturation	80.3	wt%		0.1		USDA27a	12/04/19 08:45 / srm
Calcium, sat. paste	0.73	meq/L		0.05		SW6010B	11/27/19 11:36 / rlh
Magnesium, sat. paste	0.41	meq/L		0.08		SW6010B	11/27/19 11:36 / rlh
Sodium, sat. paste	31.0	meq/L	D	0.09		SW6010B	11/27/19 11:36 / rlh
Sodium Adsorption Ratio (SAR)	40.9	unitless		0.01		Calculation	11/27/19 13:30 / srm
CHEMICAL CHARACTERISTICS							
Exchangeable Sodium Percentage	43.4	%		0.1		USDA20a	12/04/19 08:45 / srm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, extractable	16.1	meq/100g	D	0.006		SW6010B	12/03/19 17:23 / rlh

Report Definitions: RL - Analyte reporting limit.
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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Duraroot
Project: Flessner 9

Report Date: 12/04/19

Lab ID: B19111823-005
Client Sample ID: S3 [0-6]

Collection Date: 11/18/19 12:30
DateReceived: 11/20/19
Matrix: Solid

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	23.9	meq/100g	D	0.1		SW6010B	12/03/19 18:55 / rlh
SATURATED PASTE EXTRACT							
pH, sat. paste	7.8	s.u.		0.1		ASA10-3	11/26/19 14:22 / srm
Conductivity, sat. paste	11.8	mmhos/cm		0.1		ASA10-3	11/26/19 14:22 / srm
Saturation	46.7	wt%		0.1		USDA27a	12/04/19 08:45 / srm
Calcium, sat. paste	16.0	meq/L	D	0.09		SW6010B	11/27/19 11:49 / rlh
Magnesium, sat. paste	7.04	meq/L		0.08		SW6010B	11/27/19 11:49 / rlh
Sodium, sat. paste	173	meq/L	D	0.2		SW6010B	11/27/19 11:49 / rlh
Sodium Adsorption Ratio (SAR)	51.0	unitless		0.01		Calculation	11/27/19 13:30 / srm
CHEMICAL CHARACTERISTICS							
Exchangeable Sodium Percentage	31.6	%		0.1		USDA20a	12/04/19 08:45 / srm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, extractable	15.6	meq/100g	D	0.006		SW6010B	12/03/19 17:27 / rlh

Lab ID: B19111823-006
Client Sample ID: S3 [6-18]

Collection Date: 11/18/19 12:35
DateReceived: 11/20/19
Matrix: Solid

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	34.7	meq/100g	D	0.1		SW6010B	12/03/19 18:59 / rlh
SATURATED PASTE EXTRACT							
pH, sat. paste	7.7	s.u.		0.1		ASA10-3	11/26/19 14:22 / srm
Conductivity, sat. paste	9.0	mmhos/cm		0.1		ASA10-3	11/26/19 14:22 / srm
Saturation	77.4	wt%		0.1		USDA27a	12/04/19 08:45 / srm
Calcium, sat. paste	4.51	meq/L		0.05		SW6010B	11/27/19 11:53 / rlh
Magnesium, sat. paste	2.78	meq/L		0.08		SW6010B	11/27/19 11:53 / rlh
Sodium, sat. paste	60.8	meq/L	D	0.09		SW6010B	11/27/19 11:53 / rlh
Sodium Adsorption Ratio (SAR)	31.8	unitless		0.01		Calculation	11/27/19 13:30 / srm
CHEMICAL CHARACTERISTICS							
Exchangeable Sodium Percentage	42.3	%		0.1		USDA20a	12/04/19 08:45 / srm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, extractable	19.4	meq/100g	D	0.006		SW6010B	12/03/19 17:31 / rlh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Duraroot
Project: Flessner 9

Report Date: 12/04/19

Lab ID: B19111823-007
Client Sample ID: S4 [0-6]

Collection Date: 11/18/19 12:40
DateReceived: 11/20/19
Matrix: Solid

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	27.2	meq/100g	D	0.1		SW6010B	12/03/19 19:03 / rlh
SATURATED PASTE EXTRACT							
pH, sat. paste	8.2	s.u.		0.1		ASA10-3	11/26/19 14:22 / srm
Conductivity, sat. paste	6.8	mmhos/cm		0.1		ASA10-3	11/26/19 14:22 / srm
Saturation	71.6	wt%		0.1		USDA27a	12/04/19 08:45 / srm
Calcium, sat. paste	1.49	meq/L		0.05		SW6010B	11/27/19 11:57 / rlh
Magnesium, sat. paste	0.82	meq/L		0.08		SW6010B	11/27/19 11:57 / rlh
Sodium, sat. paste	41.6	meq/L	D	0.09		SW6010B	11/27/19 11:57 / rlh
Sodium Adsorption Ratio (SAR)	38.7	unitless		0.01		Calculation	11/27/19 13:30 / srm
CHEMICAL CHARACTERISTICS							
Exchangeable Sodium Percentage	45.6	%		0.1		USDA20a	12/04/19 08:45 / srm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, extractable	15.4	meq/100g	D	0.006		SW6010B	12/03/19 17:35 / rlh

Lab ID: B19111823-008
Client Sample ID: S4 [6-18]

Collection Date: 11/18/19 12:45
DateReceived: 11/20/19
Matrix: Solid

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	34.6	meq/100g	D	0.1		SW6010B	12/03/19 19:08 / rlh
SATURATED PASTE EXTRACT							
pH, sat. paste	8.3	s.u.		0.1		ASA10-3	11/26/19 14:22 / srm
Conductivity, sat. paste	6.6	mmhos/cm		0.1		ASA10-3	11/26/19 14:22 / srm
Saturation	86.2	wt%		0.1		USDA27a	12/04/19 08:45 / srm
Calcium, sat. paste	1.47	meq/L		0.05		SW6010B	11/27/19 12:02 / rlh
Magnesium, sat. paste	1.49	meq/L		0.08		SW6010B	11/27/19 12:02 / rlh
Sodium, sat. paste	39.6	meq/L	D	0.09		SW6010B	11/27/19 12:02 / rlh
Sodium Adsorption Ratio (SAR)	32.5	unitless		0.01		Calculation	11/27/19 13:30 / srm
CHEMICAL CHARACTERISTICS							
Exchangeable Sodium Percentage	38.4	%		0.1		USDA20a	12/04/19 08:45 / srm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, extractable	16.7	meq/100g	D	0.006		SW6010B	12/03/19 17:40 / rlh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Duraroot

Work Order: B19111823

Report Date: 12/04/19

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: ASA10-3									Batch: 139620
Lab ID: B19111823-001A DUP	Sample Duplicate					Run: MISC-SOIL_191126A			11/26/19 14:22
Conductivity, sat. paste	13.6	mmhos/cm	0.10				0.8		30
Lab ID: LCS-1911261422	Laboratory Control Sample					Run: MISC-SOIL_191126A			11/26/19 14:22
Conductivity, sat. paste	4.40	mmhos/cm	0.10	107	70	130			
Lab ID: B19111823-001A DUP	Sample Duplicate					Run: MISC-SOIL_191126A			11/26/19 14:22
pH, sat. paste	7.80	s.u.	0.10				0.0		10
Lab ID: LCS-1911261422	Laboratory Control Sample					Run: MISC-SOIL_191126A			11/26/19 14:22
pH, sat. paste	7.20	s.u.	0.10	96	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Duraroot

Work Order: B19111823

Report Date: 12/04/19

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Calculation							Batch: R331577		
Lab ID: B19111823-001A DUP	Sample Duplicate				Run: MISC-SOIL_191127A		11/27/19 13:30		
Sodium Adsorption Ratio (SAR)	56.2	unitless	0.010				2.3	30	
Lab ID: LCS-1911271330	Laboratory Control Sample				Run: MISC-SOIL_191127A		11/27/19 13:30		
Sodium Adsorption Ratio (SAR)	10.4	unitless	0.010	111	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Duraroot

Work Order: B19111823

Report Date: 12/04/19

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B							Batch: 139620		
Lab ID: LCS-139620	Laboratory Control Sample			Run: ICP204-B_191127A			11/27/19 11:10		
Calcium, sat. paste	16.3	meq/L	0.050	121	70	130			
Magnesium, sat. paste	7.61	meq/L	0.082	104	70	130			
Sodium, sat. paste	36.0	meq/L	0.043	124	70	130			
Lab ID: B19111823-001A DUP	Sample Duplicate			Run: ICP204-B_191127A			11/27/19 11:19		
Calcium, sat. paste	21.7	meq/L	0.092				4.6	30	
Magnesium, sat. paste	11.0	meq/L	0.082				2.5	30	
Sodium, sat. paste	227	meq/L	0.21				0.3	30	
Lab ID: B19111823-002AMS2	Sample Matrix Spike			Run: ICP204-B_191127A			11/27/19 11:28		
Calcium, sat. paste	69.6	meq/L	0.094	105	70	130			
Magnesium, sat. paste	113	meq/L	0.082	106	70	130			
Sodium, sat. paste	176	meq/L	0.22	102	70	130			
Method: SW6010B							Batch: 139729		
Lab ID: LCS-139729	Laboratory Control Sample			Run: ICP204-B_191203A			12/03/19 16:45		
Sodium, extractable	2.77	meq/100g	0.0061	119	70	130			
Lab ID: B19111823-001A DUP	Sample Duplicate			Run: ICP204-B_191203A			12/03/19 16:58		
Sodium, extractable	19.3	meq/100g	0.0061				2.3	30	
Lab ID: B19111823-002AMS2	Sample Matrix Spike			Run: ICP204-B_191203A			12/03/19 17:15		
Sodium, extractable	45.5	meq/100g	0.0063	111	70	130			
Method: SW6010B							Batch: 139744		
Lab ID: LCS-139744	Laboratory Control Sample			Run: ICP204-B_191203A			12/03/19 17:48		
Cation Exchange Capacity	14.3	meq/100g	0.12	117	50	150			
Lab ID: B19111823-001A DUP	Sample Duplicate			Run: ICP204-B_191203A			12/03/19 18:34		
Cation Exchange Capacity	26.3	meq/100g	0.12				4.9	30	
Lab ID: B19111823-002AMS2	Sample Matrix Spike			Run: ICP204-B_191203A			12/03/19 18:43		
Cation Exchange Capacity	82.2	meq/100g	0.13	109	50	150			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Duraroot

Work Order: B19111823

Report Date: 12/04/19

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: USDA20a							Batch: R331776		
Lab ID: B19111823-001A DUP	Sample Duplicate				Run: MISC-SOIL_191204A		12/04/19 08:45		
Exchangeable Sodium Percentage	31.2	%	0.10				1.5	30	
Lab ID: LCS-1912040845	Laboratory Control Sample				Run: MISC-SOIL_191204A		12/04/19 08:45		
Exchangeable Sodium Percentage	10.3	%	0.10	121	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Duraroot

Work Order: B19111823

Report Date: 12/04/19

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: USDA27a							Batch: R331776		
Lab ID: B19111823-001A DUP	Sample Duplicate		Run: MISC-SOIL_191204A				12/04/19 08:45		
Saturation	48.7	%	0.10				1.2	30	
Lab ID: LCS-1912040845	Laboratory Control Sample		Run: MISC-SOIL_191204A				12/04/19 08:45		
Saturation	36.0	%	0.10	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Work Order Receipt Checklist

Duraroot

B19111823

Login completed by: Tabitha Edwards

Date Received: 11/20/2019

Reviewed by: BL2000\darcy

Received by: bgs

Reviewed Date: 11/21/2019

Carrier name: FedEx

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 type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" 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 type="checkbox"/>	No <input checked="" type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	10.6°C No 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 type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" 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:

None



www.energylab.com

Account Information *(Billing information)*

Company/Name	PURAROOT, LLC, 6 HARTSIG		
Contact	JAMES HARTSIG		
Phone	970.380.7448		
Mailing Address	4626 CR 65		
City, State, Zip	KEENEYSBURG, CO 80643		
Email	JHARTSIG@PURAROOT.COM		
Receive Invoice	<input type="checkbox"/> Hard Copy	<input checked="" type="checkbox"/> Email	Bottle Order
Purchase Order	<input type="checkbox"/> Hard Copy	<input type="checkbox"/> Receive Report	
	Quote		

Report Information (if different than Account Information)

Company/Name _____
 Contact _____
 Phone _____
 Mailing Address _____
 City, State, Zip _____
 Email _____
 Receive Report ☐ Hard Copy ☐ Email
 Special Report/Formats:
☐ LEVEL IV ☐ NELAC ☐ EDD/EDT (contact laboratory) ☐ Other _____

Comments

* TEST EST 1F
SAT 213
* PM (S.V.)

Project Information

Project Name, PWSID, Permit, etc.		FLESSNER 9	
Sampler Name	JAMES HARTSIS	Sampler Phone	970.380.7448
Sample Origin State	CO	EPA/State Compliance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
URANIUM MINING CLIENTS MUST indicate sample type. <input type="checkbox"/> NOT Source or Byproduct Material <input type="checkbox"/> Source/Processed Ore (Ground or Refined) **CALL BEFORE SENDING <input type="checkbox"/> 11e.(2) Byproduct Material (Can ONLY be Submitted to ELI Casper Location)			

Analysis Requested

Matrix Codes

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

See Attached

All turnaround times are standard unless marked as RUSH.

Sample Identification (Name, Location, Interval, etc.)		Collection		Number of Containers	Matrix (See Codes Above)	EC	RUSH TAT	ELI LAB ID Laboratory Use Only
		Date	Time					
1	51 0-6"	11-18-19	12:00	1	S	X		B9111823
2	51 6-18"	"	12:15	1	S	X		
3	52 0-6"	"	12:20	1	S	X		
4	52 6-18"	"	12:25	1	S	X		
5	53 0-6"	"	12:30	1	S	X		
6	53 6-18"	"	12:35	1	S	X		
7	54 0-6"	"	12:40	1	S	X		
8	54 6-18"	"	12:45	1	S	X		
9								
10								

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
LABORATORY USE ONLY						
Shipped By	Cooler ID(s)	Custody Seats Y N C B	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Amount \$
						Payment Type CC Cash Check
						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.