Energy Fuels Resources (USA) Inc.
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January 27, 2021

Arizona Department of Environmental Quality
Groundwater Section
Mail Code 5415B-3
1110 W. Washington St.
Phoenix, AZ 85007

Re: Pinyon Plain Mine Non-Storm water Impoundment 3.04 General Aquifer Protection Permit No. P-100333 Annual Report for 2020

Dear Sir or Madam:

Enclosed please find Energy Fuels Resources (USA) Inc.'s ("EFRI's") 2020 Annual Report for the Pinyon Plain Mine (the "Mine") (formerly named the Canyon Mine) in accordance with the Mine's Non-storm water Impoundment 3.04 General Aquifer Protection Permit (the "APP") No. P-100333.

Pursuant to the requirements found in the APP and in the Arizona Administrative Code (A.A.C.) R18-9-D304, EFRI agreed to the following voluntary condition:

> **"2. Mine Shaft Sump Monitoring**
>
> i. EFRI agrees to measure the daily volume of water pumped from the underground mining areas, and conduct periodic sampling for the water pumped from the underground mining areas as follows:
>
> EFRI will sample water pumped from the underground mining areas at the point the water discharges to the non-storm water impoundment on a quarterly basis for the parameters set forth in Table 1 of the permit. If there is no water pumped during a particular quarter, then no sample will be required. EFRI will report to the Arizona Department of Environmental Quality ("ADEQ") the results of the daily volume of water pumped and quarterly sampling within 30 days of the end of each of the first two quarters of operation, and on an annual basis thereafter.
>
> ii. If the sampling results suggest that aquifer water quality standards could be exceeded in groundwater beneath the mine given the depth to groundwater at the mine, EFRI will increase the frequency of pumping to mitigate any risk to groundwater."

EFRI began discharging to the Mine's non-storm water impoundment in July of 2013. In accordance with the APP condition 2.i, EFRI submitted two quarterly reports to ADEQ on October 23, 2013 and January 13, 2014. The January 13, 2014 report documented the second

quarter of pumping operations, and the second of two required quarterly reports; and therefore, reporting is now required at an annual frequency. Shaft sinking was completed in April of 2018. The shaft has been sunk to a depth of approximately 1,470 feet. Underground mining operations were suspended in April 2018 due to low uranium prices, at which time EFRI restricted underground access. However, after the suspension of mining activities EFRI did continue to pump water from the shaft into the non-storm water impoundment, and four quarters of sampling were completed in 2020. EFRI has surveyed and performed Klinkenberg testing on the mine sump required by Section 1.ii of the APP, and submitted the report for filing with the Agency on January 27, 2020. In 2020 EFRI re-entered the underground areas of the mine in the third and fourth quarters to perform maintenance activities and to repair a "water ring" separation system for perched groundwater flowing into the production shaft. After the repair of the "water ring" separation system, water is pumped to the surface from the shaft sump to the non-stormwater impoundment and from the "water rings" to a storage tank. No mining was conducted in 2020.

Per Section 2.i of the APP, the attached Table 1 includes the daily volume of water pumped from underground mining areas for 2020. The water pumped from underground mining areas to the non-storm water impoundment and the collection tank was discharged in accordance with the approved storm water Pollution Prevention Plan ("SWPPP"). Monthly SWPPP inspections are conducted to ensure all discharge procedures and best management practices ("BMPs") are in compliance. The attached Table 2 includes a summary of the analytical results for the quarterly water samples, collected when the mine is pumping water into the non-storm water impoundment. The samples are taken from the outfall point where mine water discharges from underground sump into the non-storm water impoundment.

Please feel free to contact me at 303-389-4132 or Kathy Weinel at 303-389-4134 if you have any questions or concerns.

Sincerely,

ENERGY FUELS RESOURCES (USA) INC.
Scott Bakken
Vice President, Regulatory Affairs

cc: Kathy Weinel, Logan Shumway, Matt Germansen (EFRI)
Vimal Chauhan (ADEQ)

SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc. based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

1/27/21

Signature of Responsible Official
Scott Bakken
Vice President, Regulatory Affairs

Date

TABLES

TABLE 1

Pinyon Plain Mine Daily Volume of Water Pumped from Underground Mining Areas during 2020

Date*	Sump Flow Meter Reading	Sump Gallons Pumped (GA/D)	Date*	Sump Flow Meter Reading	Sump Gallons Pumped (GA/D)	Date*	Sump Flow Meter Reading	Sump Gallons Pumped (GA/D)
First Quarter 2020								
January 2020			**February 2020**			**March 2020**		
12/30/2019 - 1/2/2020	**	82,400	1/31/2020 - 2/3/2020	**	107,800	2/28/2020 - 3/2/2020	**	110,500
	14949600			**			16639800	
1/3/2020	14980800	31,200		15838100		3/3/2020	16673700	33,900
1/4/2020 - 1/6/2020	**	78,600	2/4/2020 - 2/5/2020	**	63,800	3/4/2020	16704100	30,400
	**			15901900		3/5/2020	16735200	31,100
	15059400		2/6/2020	15927400	25,500	3/6/2020 - 3/9/2020	**	106,300
1/7/2020	15086700	27,300	2/7/2020 - 2/10/2020	**	107,800		**	
1/8/2020	15114300	27,600		**			**	
1/9/2020	15143800	29,500		**			16841500	
1/10/2020 - 1/13/2020	**	115,100		16035200		3/10/2020	16878100	36,600
	**		2/11/2020	16065000	29,800	3/11/2020	16911000	32,900
	**		2/12/2020	16092700	27,700	3/12/2020	16935600	24,600
	15258900		2/13/2020	16127800	35,100	3/13/2020 - 3/16/2020	**	100,800
1/14/2020	15286800	27,900	2/14/2020 - 2/18/2020	**	137,500		**	
1/15/2020	15318200	31,400		**			**	
1/16/2020	15343500	25,300		**			17036400	
1/17/2020 - 1/20/2020	**	107,700		**		3/17/2020	17065900	29,500
	**			16265300		3/18/2020	17104800	38,900
	**		2/19/2020	16299800	34,500	3/19/2020 - 3/23/2020	**	133,200
	15451200		2/20/2020	16321900	22,100		**	
1/21/2020	15482500	31,300	2/21/2020 - 2/24/2020	**	123,800		**	
1/22/2020	15505400	22,900		**			**	
1/23/2020	15531000	25,600		**			17238000	
1/24/2020 - 1/27/2020	**	115,100		16445700		3/24/2020	17272100	34,100
	**		2/25/2020	16473000	27,300	3/25/2020	17298600	26,500
	**		2/26/2020	16501100	28,100	3/26/2020	17330300	31,700
	15646100		2/27/2020	16529300	28,200	3/27/2020 - 3/31/2020	**	133,187
1/28/2020	15674900	28,800					**	
1/29/2020	15699600	24,700					**	
1/30/2020	15730300	30,700					**	
							17463487	
Total Gallons Pumped for January		**863,100**	**Total Gallons Pumped for February**		**799,000**	**Total Gallons Pumped for March**		**934,187**
						Total for the Quarter		**2,596,287**

* Dates correspond to days when flow meter readings were taken and do not precisely correspond to the beginning or end of a calendar month. Dates not shown in a given month are accounted for in the following month.

** The pumps operated continuously throughout 2020 unleass otherwise noted. Flow meter readings are not recorded every day that the pumps operate. Gallons pumped on days when flow meter readings were not recorded are accounted for in the total gallons pumped and reported for a span of days. The dates corresponding to one flow meter reading are shown as a range.

Table 1

Pinyon Plain Mine Daily Volume of Water Pumped from Underground Mining Areas during 2020

Date*	Sump Flow Meter Reading	Gallons Pumped (GA/D)	Date*	Sump Flow Meter Reading	Sump Gallons Pumped (GA/D)	Date*	Sump Flow Meter Reading	Sump Gallons Pumped (GA/D)
Second Quarter 2020								
April 2020			**May 2020**			**June 2020**		
4/1/2020	17509200	45,713	5/1/2020 - 5/5/2020	**	147,600	5/29/2020 - 6/1/2020	19286800	119900
4/2/2020	17537500	28,300		**		6/2/2020	19317200	30,400
4/3/2020 - 4/6/2020	**	117,700		**		6/3/2020	19349200	32,000
	**			**		6/4/2020	19378700	29,500
	**			18494600		6/5/2020 - 6/8/2020	**	112,900
	17655200		5/6/2020	18519200	24,600		**	
4/7/2020	17683900	28,700	5/7/2020	18548600	29,400		**	
4/8/2020	17713600	29,700	5/8/2020 - 5/12/2020	**	147,300		19491600	
4/9/2020	17745000	31,400		**		6/9/2020	19519300	27,700
4/10/2020 - 4/13/2020	**	124,500		**		6/10/2020	19547700	28,400
	**			**		6/11/2020	19576900	29,200
	**			18695900		6/12/2020 - 6/15/2020	**	117,700
	17869500		5/13/2020	18726900	31,000		**	
4/14/2020	17892900	23,400	5/14/2020	18755000	28,100		**	
4/15/2020	17920500	27,600	5/15/2020 - 5/19/2020	**	143,000		19694600	
4/16/2020	17948200	27,700		**		6/16/2020 - 6/17/2020	**	63,900
4/17/2020 - 4/20/2020	**	114,000		**			19758500	
	**			**		6/18/2020	19785600	27,100
	**			18898000		6/19/2020 - 6/22/2020	**	118,200
	18062200		5/20/2020 - 5/27/2020	**	235,900		**	
4/21/2020	18091000	28,800		**			**	
4/22/2020	18121000	30,000		**			19903800	
4/23/2020	18149600	28,600		**		6/23/2020	19930900	27,100
4/24/2020 - 4/27/2020	**	116,900		**		6/24/2020	19959000	28,100
	**			**		6/25/2020 - 6/29/2020	**	139,300
	**			**			**	
	18266500			19133900			**	
4/28/2020	18297500	31,000	5/28/2020	19166900	33,000		20098300	
4/29/2020	18319700	22,200						
4/30/2020	18347000	27,300				6/30/2020	20130900	32,600
Total Gallons Pumped for April		**883,513**	**Total Gallons Pumped for May**		**819,900**	**Total Gallons Pumped for June**		**964,000**
						Total for the Quarter		**2,667,413**

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Table 1
Pinyon Plain Daily Volume of Water Pumped from Underground Mining Areas During 2020

Date*	Sump Flow Meter Reading	Sump Gallons Pumped (GA/D)	Date*	Sump Flow Meter Reading	Sump Gallons Pumped (GA/D)	Ring Meter Date*	Ring Meter Reading	Ring Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)	Date*	Sump Flow Meter Reading	Sump Gallons Pumped (GA/D)	Ring Meter Date*	Ring Meter Reading	Ring Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)
Third Quarter 2020																
July 2020			**August 2020**							**September 2020**						
7/1/2020 - 7/2/2020	**	51,800	7/30/2020 - 8/1/2020	20996700	82,200	8/1/2020	***	***	82,200	9/1/2020 - 9/2/2020	**	38,800	9/1/2020 - 9/2/2020	**	99,800	138,600
	20182700		8/2/2020 - 8/3/2020	**	50,800	8/2/2020	***	***	50,800		21831300			**112,300**		
7/3/2020 - 7/6/2020	**	113,300		21047500		8/3/2020	***	***		9/3/2020	21845000	13,700	9/3/2020 - 9/9/2020	**	29,800	110,300
	**		8/4/2020	21071500	24,000	8/4/2020	***	***	24,000	9/4/2020 - 9/7/2020	**	45,000		**		
	**		8/5/2020	21094300	22,800	8/5/2020	***	***	22,800		**			**		
	20296000		8/6/2020	21117700	23,400	8/6/2020	***	***	23,400		**			**		
7/7/2020	20323800	27,800	8/7/2020 - 8/10/2020	**	108,300	8/7/2020	***	***	108,300		21890000			**		
7/8/2020	20352200	28,400		**		8/8/2020	***	***		9/8/2020	21900300	10,300		**		
7/9/2020	20376100	23,900		**		8/9/2020	***	***		9/9/2020	21911800	11,500		**142,100**		
7/10/2020 - 7/13/2020	**	116,500		21226000		8/10/2020	***	***		9/10/2020 - 9/16/2020	**	46,357	9/10/2020 - 9/16/2020	**	56,200	102,557
	**		8/11/2020	21255900	29,900	8/11/2020	***	***	29,900		**			**		
	**		8/12/2020	21284600	28,700	8/12/2020	***	***	28,700		**			**		
	20492600		8/13/2020	21310420	25,820	8/13/2020	***	***	25,820		**			**		
7/14/2020	20518800	26,200	8/14/2020 - 8/17/2020	**	103,280	8/14/2020	***	***	103,280		**			**		
7/15/2020	20542100	23,300		**		8/15/2020	***	***			**			**		
7/16/2020 - 7/20/2020	**	114,700		**		8/16/2020	***	***			**21958157**			**198,300**		
	**			21413700		8/17/2020	***	***		9/17/2020	21969379	11,222	9/17/2020	**201,600**	3,300	14,522
	**		8/18/2020	21442200	28,500	8/18/2020	***	***	28,500	9/18/2020	21979637	10,258	9/18/2020	**211,500**	9,900	20,158
	20656800		8/19/2020	21468300	26,100	8/19/2020	***	***	26,100	9/19/2020 - 9/21/2020	**	30,663	9/19/2020 - 9/23/2020	**	33,000	78,063
7/21/2020	20682800	26,000	8/20/2020	21496100	27,800	8/20/2020	***	***	27,800		**			**		
7/22/2020	20711400	28,600	8/21/2020 - 8/24/2020	**	112,900	8/21/2020	***	***	112,900		22010300			**		
7/23/2020 - 7/27/2020	**	152,600		**		8/22/2020	***	***		9/22/2020 - 9/23/2020	**	14,400		**244,500**		
	**			**		8/23/2020	***	***			**22024700**					
	**			21609000		8/24/2020	***	***		9/24/2020	**22029500**	4,800	9/24/2020	**	****	4,800
	**		8/25/2020	21638800	29,800	8/25/2020	***	***	29,800	9/25/2020 - 9/30/2020	**	78,800	9/25/2020	**	****	78,800
	20864000		8/26/2020	21666500	27,700	8/26/2020	***	***	27,700		**		9/26/2020	**	****	
7/28/2020 - 7/29/2020	**	50,500	8/27/2020	21693500	27,000	8/27/2020	***	***	27,000		**		9/27/2020	**	****	
	20914500		8/28/2020 - 8/31/2020	**	99,000	8/28/2020	***	***	111,500		**		9/28/2020	**	****	
				**		8/29/2020	***	***			22108300		9/29/2020	**	****	
				**		8/30/2020	***	***					9/30/2020	**	****	
				21792500		8/31/2020	12,500	12,500								
Total Gallons Pumped for July		**783,600**	**Total Gallons Pumped for August**		**878,000**			**12,500**	**890,500**	**Total Gallons Pumped for September**		**315,800**			**232,000**	**547,800**
														Total for the Quarter		**2,221,900**

* Dates correspond to days when flow meter readings were taken and do not precisely correspond to the beginning or end of a calendar month. Dates not shown in a given month are accounted for in the following month.

** The pumps operated continuously throughout 2020 unleass otherwise noted. Flow meter readings are not recorded every day that the pumps operate. Gallons pumped on days when flow meter readings were not recorded are accounted for in the total gallons pumped and reported for a span of days. The dates corresponding to one flow meter reading are shown as a range.

*** The ring pump was installed on 8/31/2020.

**** The ring pump malfunctioned. The water from the ring levels flowed to the sump and is pumped and accounted for in the sump totals.

Meter readings in bold represent best available data. Meter malfunctions are caused by mechanical issues resulting from temperature fluctuations and outdoor usage. The meters were replaced multiple times to address issues.

Table 1

Pinyon Plain Daily Volume of Water Pumped from Underground Mining Areas During 2020

Date*	Sump Flow Meter Reading	Sump Gallons Pumped (GA/D)	Ring Meter Date*	Ring Meter Reading	Ring Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)
Fourth Quarter 2020						
October 2020						
10/1/2020	22133900	25,600	****	****	****	25,600
10/2/2020 - 10/5/2020	**	60,300	****	****	****	60,300
	**		****	****	****	
	**		****	****	****	
	22194200		****	****	****	
10/6/2020	**22207300**	13,100	****	****	****	13,100
10/7/2020	**22217000**	9,700	****	****	****	9,700
10/8/2020	**22220900**	3,900	****	****	****	3,900
10/9/2020 - 10/12/2020	**	77,400	****	****	****	77,400
	**		****	****	****	
	**		****	****	****	
	22298300		****	****	****	
10/13/2020	22317600	19,300	****	****	****	19,300
10/14/2020	22333300	15,700	****	****	****	15,700
10/15/2020	22355700	22,400	****	****	****	22,400
10/16/2020 - 10/19/2020	**	69,800	****	****	****	69,800
	**		****	****	****	
	**		****	****	****	
	22425500		****	****	****	
10/20/2020	22451500	26,000	****	****	****	26,000
10/21/2020	22465900	14,400	****	****	****	14,400
10/22/2020 - 10/26/2020	**	125,900	****	****	****	125,900
	**		****	****	****	
	**		****	****	****	
	**		****	****	****	
	22591800		****	****	****	
10/27/2020	**22604400**	12,600	****	****	****	12,600
10/28/2020	**22619000**	14,600	****	****	****	14,600
10/29/2020	**22634900**	15,900	****	****	****	15,900
			****	****	****	
			****	****	****	
Total Gallons Pumped for October		**526,600**				**526,600**

Date*	Sump Flow Meter Reading	Sump Gallons Pumped (GA/D)	Ring Meter Date*	Ring Meter Reading	Ring Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)
November 2020						
10/30/2020 - 11/2/2020	**	111,900	11/1/2020	****	****	111,900
	22746800		11/2/2020	****	****	
11/3/2020[1] - 11/4/2020	176900	51,300	11/3/2020	****	****	N/A
	228200		11/4/2020	****	****	51,300
11/5/2020 - 11/11/2020	**	141,400	11/5/2020	****	****	141,400
	**		11/6/2020	****	****	
	**		11/7/2020	****	****	
	**		11/8/2020	****	****	
	**		11/9/2020	****	****	
	**		11/10/2020	****	****	
	369600		11/11/2020	****	****	
11/12/2020	391738	22,138	11/12/2020	****	****	22,138
11/13/2020 - 11/17/2020	**	114,960	11/13/2020	****	****	114,960
	**		11/14/2020	****	****	
	**		11/15/2020	****	****	
	**		11/16/2020	****	****	
	506698		11/17/2020***	626300	N/A	
11/18/2020	522186	15,488	11/18/2020	639800	13,500	28,988
11/19/2020	534436	12,250	11/19/2020	653000	13,200	25,450
11/20/2020 - 11/24/2020	**	56,264	11/20/2020 - 11/24/2020	**	57,700	113,964
	**			**		
	**			**		
	590700			710,700		
11/25/2020 - 11/30/2020	**	38,200	11/25/2020 - 11/30/2020	**	57,400	95,600
	**			**		
	**			**		
	**			**		
	**			**		
	628900			768,100		
Total Gallons Pumped for November		**563,900**			**141,800**	**705,700**

Date*	Sump Flow Meter Reading	Sump Gallons Pumped (GA/D)	Ring Meter Date*	Ring Meter Reading	Ring Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)
December 2020						
12/1/2020 - 12/2/2020	**	36,800	12/1/2020	784660	16,560	63,073
	665700		12/2/2020	794373	9,713	
12/3/2020 - 12/6/2020	**	33,635	12/3/2020	**	21,328	135,964
	**		12/4/2020	**		
	**		12/5/2020	**		
	699335		12/6/2020	**		
12/7/2020[2] - 12/8/2020	0	53,300	12/7/2020	**815701**		
	53300		12/8/2020	843402	27,701	
12/9/2020	65300	12,000	12/9/2020	851817	8,415	20,415
12/10/2020	71900	6,600	12/10/2020	859500	7,683	14,283
12/11/2020 - 12/14/2020	**	70,200	12/11/2020 - 12/14/2020	**	29,900	100,100
	**			**		
	**			**		
	142100			889400		
12/15/2020	172100	30,000	12/15/2020	889400	0	30,000
12/16/2020	186800	14,700	12/16/2020	889400	0	14,700
12/17/2020	212200	25,400	12/17/2020	889400	0	25,400
12/18/2020 - 12/21/2020	**	99,000	12/18/2020 - 12/21/2020	**	0	99,000
	**			**		
	**			**		
	311200			889400		
12/22/2020	334500	23,300	12/22/2020	889400	0	23,300
12/23/2020	358700	24,200	12/23/2020	889400	0	24,200
12/24/2020 - 12/28/2020	**	107,800	12/24/2020 - 12/28/2020	**	**0**	107,800
	**			**		
	**			**		
	**			**		
	466500			889400		
12/29/2020	490600	24,100	12/29/2020	889400	0	24,100
12/30/2020	516300	25,700	12/30/2020	889400	0	25,700
12/31/2020	537000	20,700	12/31/2020	889400	0	20,700
Total Gallons Pumped for December		**607,435**			**121,300**	**728,735**
Total for the Quarter					**1,961,035**	
Total for the Year					**9,446,635**	

[1] sump flow meter was replaced on November 3, 2020

[2] sump flow meter was replaced on December 7, 2020

N/A - Reading is inaccurate and includes gallons from manuafacturer and testing conducted during installation.

* Dates correspond to days when flow meter readings were taken and do not precisely correspond to the beginning or end of a calendar month. Dates not shown in a given month are accounted for in the following month.

** The pumps operated continuously throughout 2020 unleass otherwise noted. Flow meter readings are not recorded every day that the pumps operate. Gallons pumped on days when flow meter readings were not recorded are accounted for in the total gallons pumped and reported for a span of days. The dates corresponding to one flow meter reading are shown as a range.

*** The ring pump was repaired on 11/17/2020.

**** The ring pump malfunctioned. The water from the ring levels flowed to the sump and is pumped and accounted for in the sump totals.

Meter readings in bold represent best available data. Meter malfunctions are caused by mechanical issues resulting from temperature fluctuations and outdoor usage. The meters were replaced multiple times to address issues.

Table 2

Pinyon Plain Mine Non-Stormwater Impoundment Sample Summary

Analytes	Units	Q1 2020	Q2 2020	Q3 2020	Q4 2020
Metals					
Antimony (Total)	mg/L	0.0048	0.0052	0.00452	0.00475
Arsenic (Total)	mg/L	0.173	0.244	0.143	0.180
Barium (Total)	mg/L	0.039 J	0.034 J	0.0318 J	0.0339 J
Beryllium (Total)	mg/L	<0.00008	<0.00008	<0.00008	<0.00008
Cadmium (Total)	mg/L	0.00042	0.00071	0.000363	0.000512
Chromium (Total)	mg/L	<0.01	<0.01	<0.01	<0.01
Copper (Total)	mg/L	<0.01	<0.01	0.030 J	0.013 J
Iron (Total)	mg/L	0.37	0.91	0.280	0.430
Lead (Total)	mg/L	0.0012	0.0026	0.00109	0.00146
Manganese (Total)	mg/L	0.02 J	0.02 J	0.011 J	<0.01
Mercury (Total)	mg/L	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (Total)	mg/L	0.299	0.335	0.317	0.320
Selenium (Total)	mg/L	0.0006	0.0007	0.00074	0.00063
Thallium (Total)	mg/L	0.0014	0.0014	0.00131	0.00141
Uranium (dissolved)	mg/L	0.108	0.132	0.125	0.115
Vanadium (Total)	mg/L	<0.005	<0.01	<0.01	<0.01
Zinc (Total)	mg/L	0.37	0.62	0.502	0.433
Radionuclides					
Gross Alpha (dissolved)	pCi/L	130 (±13)	120 (±13)	130 (±13)	180 (±14)
Radium 226 (dissolved)	pCi/L	13 (±0.42)	12 (±0.51)	12 (±0.55)	9.6 (±0.45)
Radium 228 (dissolved)	pCi/L	0.51 (±0.7)	0.13 (±0.92)	-0.22 (±0.87)	-0.14 (±0.96)
Uranium 234 (dissolved)	pCi/L	89.8 (± 11)	93.2 (± 13)	88 (± 13)	135 (± 16)
Uranium 235 (dissolved)	pCi/L	2.12 (± 1)	1.39 (± 1.7)	3.17 (± 2.4)	3.77 (± 1.7)
Uranium 238 (dissolved)	pCi/L	37.7 (± 5.4)	43.9 (± 7.1)	37.6 (± 7.3)	81.46 (± 113)
Major Ions					
Alkalinity (Total)	mg/L	219	244	232	209
Calcium	mg/L	84.9	94.1	87.4	89.1
Fluoride	mg/L	<0.25	<0.25	<0.25	<0.25
Magnesium	mg/L	51.0	52.1	51.2	52.6
Potassium	mg/L	4.7	4.3	4.46	4.34
Sodium	mg/L	15.5	15.8	15.3	14.9
Sulfate	mg/L	210	218	224	224
Physical Properties					
Conductivity	umhos/cm	824 (f = 959)	859 (f=1043)	840 (f=868)	687 (f=1024)
pH (field)	S.U.	7.96	7.46	7.73	7.84
TDS	mg/L	562	574	566	562

< - Indicates that the analyte was not dectected above the reporting limit.

( ) - Indicates the error term for the radiological result.

J - Analyte concentration detected at a value between the MDL and PQL. The associated value is an estimated quantity.

ATTACHMENT 1

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

January 21, 2021

Report to:
Kathy Weinel
Energy Fuels Resources (USA) Inc.
225 Union Blvd. ,Suite 600
Lakewood, CO 80228

Bill to:
Accounts Payable
Energy Fuels Resources (USA) Inc.
225 Union Blvd. ,Suite 600
Lakewood, CO 80228

Project ID:
ACZ Project ID: L57763

Kathy Weinel:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 05, 2020. This project has been assigned to ACZ's project number, L57763. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L57763. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after February 20, 2021. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Max Janicek

Max Janicek has reviewed and approved this report.

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020-Q1

ACZ Sample ID: ***L57763-02***
Date Sampled: *03/04/20 11:30*
Date Received: *03/05/20*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Nitrogen, total Kjeldahl	M351.2 - Block Digestor								03/19/20 11:29	wtc
Total Recoverable Digestion	M200.2 ICP								03/12/20 11:09	jlw
Total Recoverable Digestion	M200.2 ICP-MS								03/16/20 12:49	mfm

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020-Q1

ACZ Sample ID: ***L57763-02***
Date Sampled: *03/04/20 11:30*
Date Received: *03/05/20*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, total recoverable	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.3	03/13/20 13:00	kja
Antimony, total recoverable	M200.8 ICP-MS	1	0.0048			mg/L	0.0004	0.002	03/17/20 15:13	mfm
Arsenic, total recoverable	M200.8 ICP-MS	1	0.173			mg/L	0.0002	0.001	03/17/20 15:13	mfm
Barium, total recoverable	M200.7 ICP	1	0.039	B		mg/L	0.007	0.04	03/13/20 13:00	kja
Beryllium, total recoverable	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.0003	03/17/20 15:13	mfm
Boron, total recoverable	M200.7 ICP	1	0.06	B		mg/L	0.02	0.1	03/13/20 13:00	kja
Cadmium, total recoverable	M200.8 ICP-MS	1	0.00042			mg/L	0.00005	0.0003	03/17/20 15:13	mfm
Calcium, total recoverable	M200.7 ICP	1	84.9			mg/L	0.1	0.5	03/13/20 13:00	kja
Chromium, total recoverable	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	03/13/20 13:00	kja
Cobalt, total recoverable	M200.8 ICP-MS	1	0.101			mg/L	0.00005	0.0003	03/17/20 15:13	mfm
Copper, dissolved	M200.7 ICP	1	<0.01	U	*	mg/L	0.01	0.05	03/13/20 15:30	jlw
Copper, total recoverable	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	03/13/20 13:00	kja
Iron, dissolved	M200.7 ICP	1	<0.03	U		mg/L	0.03	0.08	03/13/20 15:30	jlw
Iron, total recoverable	M200.7 ICP	1	0.37			mg/L	0.03	0.08	03/13/20 19:43	kja
Lead, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	03/16/20 16:47	mfm
Lead, total recoverable	M200.8 ICP-MS	1	0.0012			mg/L	0.0001	0.0005	03/17/20 15:13	mfm
Magnesium, total recoverable	M200.7 ICP	1	51.0			mg/L	0.2	1	03/13/20 13:00	kja
Manganese, total recoverable	M200.7 ICP	1	0.02	B		mg/L	0.01	0.05	03/17/20 10:56	aeh
Mercury, total	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	03/11/20 14:42	slm
Molybdenum, total recoverable	M200.8 ICP-MS	1	0.0479			mg/L	0.0002	0.0005	03/17/20 15:13	mfm
Nickel, total recoverable	M200.7 ICP	1	0.299			mg/L	0.008	0.04	03/13/20 13:00	kja
Potassium, total recoverable	M200.7 ICP	1	4.7			mg/L	0.2	1	03/13/20 13:00	kja
Selenium, total recoverable	M200.8 ICP-MS	1	0.0006			mg/L	0.0001	0.0003	03/17/20 15:13	mfm
Silica, total recoverable	M200.7 ICP	1	8.1		*	mg/L	0.2	1	03/13/20 13:00	kja
Silver, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	03/16/20 16:47	mfm
Silver, total recoverable	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	03/17/20 15:13	mfm
Sodium, total recoverable	M200.7 ICP	1	15.5			mg/L	0.2	1	03/13/20 13:00	kja
Thallium, total recoverable	M200.8 ICP-MS	1	0.0014			mg/L	0.0001	0.0005	03/17/20 15:13	mfm
Tin, total recoverable	M200.7 ICP	1	<0.04	U		mg/L	0.04	0.2	03/13/20 13:00	kja
Uranium, dissolved	M200.8 ICP-MS	1	0.108			mg/L	0.0001	0.0005	03/16/20 16:47	mfm

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020-Q1

ACZ Sample ID: ***L57763-02***
Date Sampled: *03/04/20 11:30*
Date Received: *03/05/20*
Sample Matrix: *Groundwater*

Uranium, total recoverable	M200.8 ICP-MS	1	0.114			mg/L	0.0001	0.0005	03/17/20 15:13	mfm
Vanadium, total recoverable	M200.7 ICP	1	<0.005	U		mg/L	0.005	0.03	03/13/20 13:00	kja
Zinc, dissolved	M200.7 ICP	1	0.32			mg/L	0.01	0.05	03/13/20 15:30	jlw
Zinc, total recoverable	M200.7 ICP	1	0.37			mg/L	0.01	0.05	03/13/20 13:00	kja

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	208			mg/L	2	20	03/07/20 0:00	eep
Carbonate as CaCO3		1	10.7	B		mg/L	2	20	03/07/20 0:00	eep
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/07/20 0:00	eep
Total Alkalinity		1	219			mg/L	2	20	03/07/20 0:00	eep
Biochemical Oxygen Demand (5 day)	SM5210B/HACH10360	1	<2	U	*	mg/L	2	2	03/06/20 10:02	eep
Chemical Oxygen Demand	M410.4	1	<10	U	*	mg/L	10	20	03/09/20 10:50	emk
Chloride	M300.0 - Ion Chromatography	5	25.9		*	mg/L	2	10	03/11/20 17:05	krh
Conductivity @25C	SM2510B	1	824			umhos/cm	1	10	03/07/20 0:54	eep
Fluoride	M300.0 - Ion Chromatography	5	<0.25	U	*	mg/L	0.25	1.25	03/11/20 17:05	krh
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.225			mg/L	0.02	0.1	03/21/20 0:38	pjb
Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	1	<0.05	U		mg/L	0.05	0.2	03/20/20 11:44	wtc
Nitrogen, organic	M351.2 & M350.1 - TKN minus NH3		0.1	B		mg/L	0.1	0.5	01/21/21 0:00	calc
Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	1	0.1	B	*	mg/L	0.1	0.5	03/19/20 23:01	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	562			mg/L	20	40	03/09/20 15:28	mlh
Residue, Non-Filterable (TSS) @105C	SM2540D	1	<5	U	*	mg/L	5	20	03/09/20 14:34	mlh
Sulfate	M300.0 - Ion Chromatography	5	210			mg/L	2	10	03/11/20 17:05	krh
Sulfide as S	SM4500S2-D	1	<0.02	U	*	mg/L	0.02	0.1	03/07/20 14:05	eep

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4) EPA SW-846. Test Methods for Evaluating Solid Waste.
(5) Standard Methods for the Examination of Water and Wastewater.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

REP001.03.15.02

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493158													
WG493158PBW1	PBW	03/06/20 18:08				16.5	mg/L		-20	20			
WG493158LCSW3	LCSW	03/06/20 18:27	WC200221-10	820.0001		834	mg/L	102	90	110			
WG493158LCSW6	LCSW	03/06/20 21:33	WC200221-10	820.0001		841	mg/L	103	90	110			
WG493158PBW2	PBW	03/06/20 21:43				U	mg/L		-20	20			
L57763-02DUP	DUP	03/07/20 1:04			219	219	mg/L				0	20	
WG493158LCSW9	LCSW	03/07/20 1:24	WC200221-10	820.0001		858	mg/L	105	90	110			
WG493158PBW3	PBW	03/07/20 1:32				U	mg/L		-20	20			
WG493158LCSW12	LCSW	03/07/20 5:22	WC200221-10	820.0001		867	mg/L	106	90	110			
WG493158PBW4	PBW	03/07/20 5:31				U	mg/L		-20	20			
WG493158LCSW15	LCSW	03/07/20 8:50	WC200221-10	820.0001		876	mg/L	107	90	110			

Aluminum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493518													
WG493518ICV	ICV	03/13/20 14:28	II200228-2	2		1.934	mg/L	97	95	105			
WG493518ICB	ICB	03/13/20 14:34				U	mg/L		-0.15	0.15			
WG493518LFB	LFB	03/13/20 14:47	II200302-4	1.0012		1.006	mg/L	100	85	115			
L57751-03AS	AS	03/13/20 15:00	II200302-4	5.006	45	49.75	mg/L	95	85	115			
L57751-03ASD	ASD	03/13/20 15:04	II200302-4	5.006	45	49.99	mg/L	100	85	115	0	20	

Aluminum, total M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493494													
WG493494ICV	ICV	03/16/20 11:32	II200302-5	2		1.973	mg/L	99	95	105			
WG493494ICB	ICB	03/16/20 11:39				U	mg/L		-0.15	0.15			
WG493418LRB	LRB	03/16/20 11:52				U	mg/L		-0.11	0.11			
WG493418LFB	LFB	03/16/20 11:55	II200302-4	1.0012		1.076	mg/L	107	85	115			
L57763-01LFM	LFM	03/16/20 12:53	II200302-4	1.0012	.06	1.145	mg/L	108	70	130			
L57763-01LFMD	LFMD	03/16/20 12:56	II200302-4	1.0012	.06	1.199	mg/L	114	70	130	5	20	

Aluminum, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	2		1.918	mg/L	96	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.15	0.15			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.11	0.11			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	1.0012		.934	mg/L	93	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	1.0012	.42	1.537	mg/L	112	70	130			
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	1.0012	.42	1.574	mg/L	115	70	130	2	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Antimony, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493714													
WG493714ICV	ICV	03/17/20 14:59	MS200210-2	.02004		.01898	mg/L	95	90	110			
WG493714ICB	ICB	03/17/20 15:00				.00053	mg/L		-0.0012	0.0012			
WG493574LRB	LRB	03/17/20 15:02				U	mg/L		-0.00088	0.00088			
WG493574LFB	LFB	03/17/20 15:04	MS200120-3	.01		.01033	mg/L	103	85	115			
L57803-01LFM	LFM	03/17/20 15:16	MS200120-3	.01	U	.01126	mg/L	113	70	130			
L57803-01LFMD	LFMD	03/17/20 15:18	MS200120-3	.01	U	.01105	mg/L	111	70	130	2	20	

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493631													
WG493631ICV	ICV	03/16/20 16:13	MS200210-2	.05		.04642	mg/L	93	90	110			
WG493631ICB	ICB	03/16/20 16:14				U	mg/L		-0.00044	0.00044			
WG493631LFB	LFB	03/16/20 16:16	MS200120-3	.05005		.05074	mg/L	101	85	115			
L57852-01AS	AS	03/16/20 16:52	MS200120-3	.05005	.001	.05243	mg/L	103	70	130			
L57852-01ASD	ASD	03/16/20 16:54	MS200120-3	.05005	.001	.04927	mg/L	96	70	130	6	20	

Arsenic, total M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493610													
WG493610ICV	ICV	03/16/20 16:00	MS200210-2	.05		.05123	mg/L	102	90	110			
WG493610ICB	ICB	03/16/20 16:02				U	mg/L		-0.0006	0.0006			
WG493427LRB1	LRB	03/16/20 16:04				U	mg/L		-0.00044	0.00044			
WG493427LFB1	LFB	03/16/20 16:06	MS200120-3	.05005		.05049	mg/L	101	85	115			
L57786-01LFM	LFM	03/16/20 16:48	MS200120-3	.05005	.0013	.05267	mg/L	103	70	130			
L57786-01LFMD	LFMD	03/16/20 16:49	MS200120-3	.05005	.0013	.05265	mg/L	103	70	130	0	20	

Arsenic, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493714													
WG493714ICV	ICV	03/17/20 14:59	MS200210-2	.05		.0518	mg/L	104	90	110			
WG493714ICB	ICB	03/17/20 15:00				U	mg/L		-0.0006	0.0006			
WG493574LRB	LRB	03/17/20 15:02				U	mg/L		-0.00044	0.00044			
WG493574LFB	LFB	03/17/20 15:04	MS200120-3	.05005		.04839	mg/L	97	85	115			
L57803-01LFM	LFM	03/17/20 15:16	MS200120-3	.05005	.0005	.04945	mg/L	98	70	130			
L57803-01LFMD	LFMD	03/17/20 15:18	MS200120-3	.05005	.0005	.04914	mg/L	97	70	130	1	20	

Barium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	2		1.9258	mg/L	96	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.021	0.021			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.0154	0.0154			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	.5005		.4634	mg/L	93	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	.5005	.053	.5202	mg/L	93	70	130			
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	.5005	.053	.536	mg/L	97	70	130	3	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Beryllium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493714													
WG493714ICV	ICV	03/17/20 14:59	MS200210-2	.05		.049561	mg/L	99	90	110			
WG493714ICB	ICB	03/17/20 15:00				U	mg/L		-0.00024	0.00024			
WG493574LRB	LRB	03/17/20 15:02				U	mg/L		-0.000176	0.000176			
WG493574LFB	LFB	03/17/20 15:04	MS200120-3	.05005		.048449	mg/L	97	85	115			
L57803-01LFM	LFM	03/17/20 15:16	MS200120-3	.05005	U	.045674	mg/L	91	70	130			
L57803-01LFMD	LFMD	03/17/20 15:18	MS200120-3	.05005	U	.045437	mg/L	91	70	130	1	20	

Biochemical Oxygen Demand (5 day) SM5210B/HACH10360

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493108													
WG493108LCSW1	LCSW	03/06/20 10:51	BODLCSW-2	198		151	mg/L	76	84.6	115.4			K6
WG493108LCSW2	LCSW	03/06/20 10:55	BODLCSW-2	198		151	mg/L	76	84.6	115.4			K6
WG493108LCSW3	LCSW	03/06/20 11:00	BODLCSW-2	198		148	mg/L	75	84.6	115.4			K6

Bismuth, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493518													
WG493518ICV	ICV	03/13/20 14:28	II200228-2	2		1.967	mg/L	98	95	105			
WG493518ICB	ICB	03/13/20 14:34				U	mg/L		-0.12	0.12			
WG493518LFB	LFB	03/13/20 14:47	II200302-4	1		1	mg/L	100	85	115			
L57751-03AS	AS	03/13/20 15:00	II200302-4	5	U	4.55	mg/L	91	85	115			
L57751-03ASD	ASD	03/13/20 15:04	II200302-4	5	U	4.57	mg/L	91	85	115	0	20	

Bismuth, total M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493494													
WG493494ICV	ICV	03/16/20 11:32	II200302-5	2		1.98	mg/L	99	95	105			
WG493494ICB	ICB	03/16/20 11:39				U	mg/L		-0.12	0.12			
WG493418LRB	LRB	03/16/20 11:52				U	mg/L		-0.088	0.088			
WG493418LFB	LFB	03/16/20 11:55	II200302-4	1		1.079	mg/L	108	85	115			
L57763-01LFM	LFM	03/16/20 12:53	II200302-4	1	U	1.074	mg/L	107	70	130			
L57763-01LFMD	LFMD	03/16/20 12:56	II200302-4	1	U	1.084	mg/L	108	70	130	1	20	

Boron, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	2		1.92	mg/L	96	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.06	0.06			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.044	0.044			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	.5005		.465	mg/L	93	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	.5005	.03	.494	mg/L	93	70	130			
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	.5005	.03	.517	mg/L	97	70	130	5	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Bromide M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG492433													
WG492433ICV	ICV	02/24/20 15:51	WI200224-2	4.012		4.03	mg/L	100	90	110			
WG492433ICB	ICB	02/24/20 16:09				U	mg/L		-0.05	0.05			
WG493217													
WG493217LFB	LFB	03/09/20 18:40	WI200302-3	1.5		1.52	mg/L	101	90	110			
L57567-04DUP	DUP	03/09/20 19:16			U	U	mg/L				0	20	RA
L57567-08AS	AS	03/09/20 19:52	WI200302-3	7.5	U	6.62	mg/L	88	90	110			M2
L57789-01AS	AS	03/10/20 0:02	WI200302-3	15	U	13.1	mg/L	87	90	110			M2
L57763-02DUP	DUP	03/11/20 17:23			U	U	mg/L				0	20	RA

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493631													
WG493631ICV	ICV	03/16/20 16:13	MS200210-2	.05		.046624	mg/L	93	90	110			
WG493631ICB	ICB	03/16/20 16:14				U	mg/L		-0.00011	0.00011			
WG493631LFB	LFB	03/16/20 16:16	MS200120-3	.05005		.048173	mg/L	96	85	115			
L57852-01AS	AS	03/16/20 16:52	MS200120-3	.05005	U	.048206	mg/L	96	70	130			
L57852-01ASD	ASD	03/16/20 16:54	MS200120-3	.05005	U	.047011	mg/L	94	70	130	3	20	

Cadmium, total M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493610													
WG493610ICV	ICV	03/16/20 16:00	MS200210-2	.05		.050916	mg/L	102	90	110			
WG493610ICB	ICB	03/16/20 16:02				U	mg/L		-0.00015	0.00015			
WG493427LRB1	LRB	03/16/20 16:04				U	mg/L		-0.00011	0.00011			
WG493427LFB1	LFB	03/16/20 16:06	MS200120-3	.05005		.049937	mg/L	100	85	115			
L57786-01LFM	LFM	03/16/20 16:48	MS200120-3	.05005	.00013	.048813	mg/L	97	70	130			
L57786-01LFMD	LFMD	03/16/20 16:49	MS200120-3	.05005	.00013	.049122	mg/L	98	70	130	1	20	

Cadmium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493714													
WG493714ICV	ICV	03/17/20 14:59	MS200210-2	.05		.049585	mg/L	99	90	110			
WG493714ICB	ICB	03/17/20 15:00				U	mg/L		-0.00015	0.00015			
WG493574LRB	LRB	03/17/20 15:02				U	mg/L		-0.00011	0.00011			
WG493574LFB	LFB	03/17/20 15:04	MS200120-3	.05005		.047322	mg/L	95	85	115			
L57803-01LFM	LFM	03/17/20 15:16	MS200120-3	.05005	.00005	.048658	mg/L	97	70	130			
L57803-01LFMD	LFMD	03/17/20 15:18	MS200120-3	.05005	.00005	.047643	mg/L	95	70	130	2	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493518													
WG493518ICV	ICV	03/13/20 14:28	II200228-2	100		97.9	mg/L	98	95	105			
WG493518ICB	ICB	03/13/20 14:34				U	mg/L		-0.3	0.3			
WG493518LFB	LFB	03/13/20 14:47	II200302-4	68.00334		69.58	mg/L	102	85	115			
L57751-03AS	AS	03/13/20 15:00	II200302-4	340.0167	445	755.5	mg/L	91	85	115			
L57751-03ASD	ASD	03/13/20 15:04	II200302-4	340.0167	445	759	mg/L	92	85	115	0	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Calcium, total M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493494													
WG493494ICV	ICV	03/16/20 11:32	II200302-5	100		99.3	mg/L	99	95	105			
WG493494ICB	ICB	03/16/20 11:39				U	mg/L		-0.3	0.3			
WG493418LRB	LRB	03/16/20 11:52				U	mg/L		-0.22	0.22			
WG493418LFB	LFB	03/16/20 11:55	II200302-4	68.00334		73.71	mg/L	108	85	115			
L57763-01LFM	LFM	03/16/20 12:53	II200302-4	68.00334	127	200.9	mg/L	109	70	130			
L57763-01LFMD	LFMD	03/16/20 12:56	II200302-4	68.00334	127	204.6	mg/L	114	70	130	2	20	

Calcium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	100		96.69	mg/L	97	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.3	0.3			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.22	0.22			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	68.00334		64.48	mg/L	95	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	68.00334	51.1	115.8	mg/L	95	70	130			
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	68.00334	51.1	119.4	mg/L	100	70	130	3	20	

Carbon, dissolved organic (DOC) SM5310B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493153													
WG493153ICV	ICV	03/07/20 15:02	WI200304-12	100		101	mg/L	101	90	110			
WG493153ICB	ICB	03/07/20 15:10				U	mg/L		-3	3			
WG493153LFB	LFB	03/07/20 15:34	WI200304-11	50		49.7	mg/L	99	90	110			
L57620-01DUP	DUP	03/07/20 15:58			10.9	11.1	mg/L				2	20	
L57620-02AS	AS	03/07/20 16:22	WI200304-11	50	7.4	57.1	mg/L	99	90	110			

Chemical Oxygen Demand M410.4

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493205													
WG493205ICV	ICV	03/09/20 10:31	WC191025-4	200		195	mg/L	98	90	110			
WG493205ICB	ICB	03/09/20 10:33				U	mg/L		-10	10			
WG493205LRB	LRB	03/09/20 10:35				U	mg/L		-10	10			
WG493205LFB	LFB	03/09/20 10:37	WC200130-3	50		49	mg/L	98	90	110			
L57763-02DUP	DUP	03/09/20 10:52			U	U	mg/L				0	20	RA
L57763-02AS	AS	03/09/20 10:54	WC200130-3	50	U	53	mg/L	106	90	110			

Chloride M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG492433													
WG492433ICV	ICV	02/24/20 15:51	WI200224-2	19.94		19.9	mg/L	100	90	110			
WG492433ICB	ICB	02/24/20 16:09				U	mg/L		-0.4	0.4			
WG493217													
WG493217LFB	LFB	03/09/20 18:40	WI200302-3	30		30.7	mg/L	102	90	110			
L57567-04DUP	DUP	03/09/20 19:16			3.45	3.4	mg/L				1	20	RA
L57567-08AS	AS	03/09/20 19:52	WI200302-3	150	8.71	162	mg/L	102	90	110			
L57789-01AS	AS	03/10/20 0:02	WI200302-3	300	15.3	322	mg/L	102	90	110			
L57763-02DUP	DUP	03/11/20 17:23			25.9	25.9	mg/L				0	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Chromium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493631													
WG493631ICV	ICV	03/16/20 16:13	MS200210-2	.05		.04829	mg/L	97	90	110			
WG493631ICB	ICB	03/16/20 16:14				U	mg/L		-0.0011	0.0011			
WG493631LFB	LFB	03/16/20 16:16	MS200120-3	.05005		.0502	mg/L	100	85	115			
L57852-01AS	AS	03/16/20 16:52	MS200120-3	.05005	.0036	.04999	mg/L	93	70	130			
L57852-01ASD	ASD	03/16/20 16:54	MS200120-3	.05005	.0036	.04743	mg/L	88	70	130	5	20	

Chromium, total M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493610													
WG493610ICV	ICV	03/16/20 16:00	MS200210-2	.05		.05265	mg/L	105	90	110			
WG493610ICB	ICB	03/16/20 16:02				U	mg/L		-0.0015	0.0015			
WG493427LRB1	LRB	03/16/20 16:04				U	mg/L		-0.0011	0.0011			
WG493427LFB1	LFB	03/16/20 16:06	MS200120-3	.05005		.04982	mg/L	100	85	115			
L57786-01LFM	LFM	03/16/20 16:48	MS200120-3	.05005	.0057	.0536	mg/L	96	70	130			
L57786-01LFMD	LFMD	03/16/20 16:49	MS200120-3	.05005	.0057	.05382	mg/L	96	70	130	0	20	

Chromium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	2		1.91	mg/L	96	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.03	0.03			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.022	0.022			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	.501		.477	mg/L	95	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	.501	U	.481	mg/L	96	70	130			
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	.501	U	.498	mg/L	99	70	130	3	20	

Cobalt, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493631													
WG493631ICV	ICV	03/16/20 16:13	MS200210-2	.05		.051076	mg/L	102	90	110			
WG493631ICB	ICB	03/16/20 16:14				U	mg/L		-0.00011	0.00011			
WG493631LFB	LFB	03/16/20 16:16	MS200120-3	.05005		.049962	mg/L	100	85	115			
L57852-01AS	AS	03/16/20 16:52	MS200120-3	.05005	.00084	.049024	mg/L	96	70	130			
L57852-01ASD	ASD	03/16/20 16:54	MS200120-3	.05005	.00084	.047775	mg/L	94	70	130	3	20	

Cobalt, total M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493610													
WG493610ICV	ICV	03/16/20 16:00	MS200210-2	.05		.054792	mg/L	110	90	110			
WG493610ICB	ICB	03/16/20 16:02				U	mg/L		-0.00015	0.00015			
WG493427LRB1	LRB	03/16/20 16:04				U	mg/L		-0.00011	0.00011			
WG493427LFB1	LFB	03/16/20 16:06	MS200120-3	.05005		.051317	mg/L	103	85	115			
L57786-01LFM	LFM	03/16/20 16:48	MS200120-3	.05005	.00107	.047872	mg/L	94	70	130			
L57786-01LFMD	LFMD	03/16/20 16:49	MS200120-3	.05005	.00107	.047859	mg/L	93	70	130	0	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Cobalt, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493714													
WG493714ICV	ICV	03/17/20 14:59	MS200210-2	.05		.052564	mg/L	105	90	110			
WG493714ICB	ICB	03/17/20 15:00				U	mg/L		-0.00015	0.00015			
WG493574LRB	LRB	03/17/20 15:02				U	mg/L		-0.00011	0.00011			
WG493574LFB	LFB	03/17/20 15:04	MS200120-3	.05005		.048544	mg/L	97	85	115			
L57803-01LFM	LFM	03/17/20 15:16	MS200120-3	.05005	.00036	.050002	mg/L	99	70	130			
L57803-01LFMD	LFMD	03/17/20 15:18	MS200120-3	.05005	.00036	.049194	mg/L	98	70	130	2	20	

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493158													
WG493158LCSW2	LCSW	03/06/20 18:15	PCN60029	1410		1430	umhos/cm	101	90	110			
WG493158LCSW5	LCSW	03/06/20 21:21	PCN60029	1410		1420	umhos/cm	101	90	110			
L57763-02DUP	DUP	03/07/20 1:04			824	822	umhos/cm				0	20	
WG493158LCSW8	LCSW	03/07/20 1:10	PCN60029	1410		1420	umhos/cm	101	90	110			
WG493158LCSW11	LCSW	03/07/20 5:09	PCN60029	1410		1420	umhos/cm	101	90	110			
WG493158LCSW14	LCSW	03/07/20 8:37	PCN60029	1410		1410	umhos/cm	100	90	110			

Copper, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493518													
WG493518ICV	ICV	03/13/20 14:28	II200228-2	2		1.907	mg/L	95	95	105			
WG493518ICB	ICB	03/13/20 14:34				U	mg/L		-0.03	0.03			
WG493518LFB	LFB	03/13/20 14:47	II200302-4	.502		.501	mg/L	100	85	115			
L57751-03AS	AS	03/13/20 15:00	II200302-4	2.51	51.7	52.65	mg/L	38	85	115			M3
L57751-03ASD	ASD	03/13/20 15:04	II200302-4	2.51	51.7	52.85	mg/L	46	85	115	0	20	M3

Copper, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493631													
WG493631ICV	ICV	03/16/20 16:13	MS200210-2	.05		.04645	mg/L	93	90	110			
WG493631ICB	ICB	03/16/20 16:14				U	mg/L		-0.00176	0.00176			
WG493631LFB	LFB	03/16/20 16:16	MS200120-3	.0501		.04906	mg/L	98	85	115			
L57852-01AS	AS	03/16/20 16:52	MS200120-3	.0501	U	.04244	mg/L	85	70	130			
L57852-01ASD	ASD	03/16/20 16:54	MS200120-3	.0501	U	.04048	mg/L	81	70	130	5	20	

Copper, total M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493610													
WG493610ICV	ICV	03/16/20 16:00	MS200210-2	.05		.05282	mg/L	106	90	110			
WG493610ICB	ICB	03/16/20 16:02				U	mg/L		-0.0024	0.0024			
WG493427LRB1	LRB	03/16/20 16:04				U	mg/L		-0.00176	0.00176			
WG493427LFB1	LFB	03/16/20 16:06	MS200120-3	.0501		.05081	mg/L	101	85	115			
L57786-01LFM	LFM	03/16/20 16:48	MS200120-3	.0501	.0164	.06306	mg/L	93	70	130			
L57786-01LFMD	LFMD	03/16/20 16:49	MS200120-3	.0501	.0164	.06236	mg/L	92	70	130	1	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Copper, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	2		1.89	mg/L	95	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.03	0.03			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.022	0.022			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	.502		.465	mg/L	93	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	.502	U	.476	mg/L	95	70	130			
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	.502	U	.488	mg/L	97	70	130	2	20	

Fluoride M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG492433													
WG492433ICV	ICV	02/24/20 15:51	WI200224-2	4		4.02	mg/L	101	90	110			
WG492433ICB	ICB	02/24/20 16:09				U	mg/L		-0.05	0.05			
WG493217													
WG493217LFB	LFB	03/09/20 18:40	WI200302-3	1.5		1.57	mg/L	105	90	110			
L57567-04DUP	DUP	03/09/20 19:16			U	U	mg/L				0	20	RA
L57567-08AS	AS	03/09/20 19:52	WI200302-3	7.5	U	7.78	mg/L	104	90	110			
L57789-01AS	AS	03/10/20 0:02	WI200302-3	15	1.16	16.9	mg/L	105	90	110			
L57763-02DUP	DUP	03/11/20 17:23			U	U	mg/L				0	20	RA

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493518													
WG493518ICV	ICV	03/13/20 14:28	II200228-2	2		1.894	mg/L	95	95	105			
WG493518ICB	ICB	03/13/20 14:34				U	mg/L		-0.09	0.09			
WG493518LFB	LFB	03/13/20 14:47	II200302-4	1.0018		.997	mg/L	100	85	115			
L57751-03AS	AS	03/13/20 15:00	II200302-4	5.009	U	4.53	mg/L	90	85	115			
L57751-03ASD	ASD	03/13/20 15:04	II200302-4	5.009	U	4.54	mg/L	91	85	115	0	20	

Iron, total M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493494													
WG493494ICV	ICV	03/16/20 11:32	II200302-5	2		1.898	mg/L	95	95	105			
WG493494ICB	ICB	03/16/20 11:39				U	mg/L		-0.09	0.09			
WG493418LRB	LRB	03/16/20 11:52				U	mg/L		-0.066	0.066			
WG493418LFB	LFB	03/16/20 11:55	II200302-4	1.0018		1.043	mg/L	104	85	115			
L57763-01LFM	LFM	03/16/20 12:53	II200302-4	1.0018	.29	1.147	mg/L	86	70	130			
L57763-01LFMD	LFMD	03/16/20 12:56	II200302-4	1.0018	.29	1.18	mg/L	89	70	130	3	20	

Iron, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493540													
WG493540ICV	ICV	03/13/20 19:19	II200228-2	2		1.892	mg/L	95	95	105			
WG493540ICB	ICB	03/13/20 19:25				U	mg/L		-0.09	0.09			
WG493417LRB	LRB	03/13/20 19:37				U	mg/L		-0.066	0.066			
WG493417LFB	LFB	03/13/20 19:40	II200302-4	1.0018		.975	mg/L	97	85	115			
L57822-06LFM	LFM	03/13/20 20:05	II200302-4	1.0018	.45	1.427	mg/L	98	70	130			
L57822-06LFMD	LFMD	03/13/20 20:14	II200302-4	1.0018	.45	1.442	mg/L	99	70	130	1	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493631													
WG493631ICV	ICV	03/16/20 16:13	MS200210-2	.05		.04904	mg/L	98	90	110			
WG493631ICB	ICB	03/16/20 16:14				U	mg/L		-0.00022	0.00022			
WG493631LFB	LFB	03/16/20 16:16	MS200120-3	.05005		.04871	mg/L	97	85	115			
L57852-01AS	AS	03/16/20 16:52	MS200120-3	.05005	.0002	.04999	mg/L	99	70	130			
L57852-01ASD	ASD	03/16/20 16:54	MS200120-3	.05005	.0002	.04877	mg/L	97	70	130	2	20	

Lead, total M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493610													
WG493610ICV	ICV	03/16/20 16:00	MS200210-2	.05		.05305	mg/L	106	90	110			
WG493610ICB	ICB	03/16/20 16:02				U	mg/L		-0.0003	0.0003			
WG493427LRB1	LRB	03/16/20 16:04				U	mg/L		-0.00022	0.00022			
WG493427LFB1	LFB	03/16/20 16:06	MS200120-3	.05005		.05106	mg/L	102	85	115			
L57786-01LFM	LFM	03/16/20 16:48	MS200120-3	.05005	.0004	.05125	mg/L	102	70	130			
L57786-01LFMD	LFMD	03/16/20 16:49	MS200120-3	.05005	.0004	.05187	mg/L	103	70	130	1	20	

Lead, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493714													
WG493714ICV	ICV	03/17/20 14:59	MS200210-2	.05		.05072	mg/L	101	90	110			
WG493714ICB	ICB	03/17/20 15:00				U	mg/L		-0.0003	0.0003			
WG493574LRB	LRB	03/17/20 15:02				U	mg/L		-0.00022	0.00022			
WG493574LFB	LFB	03/17/20 15:04	MS200120-3	.05005		.04784	mg/L	96	85	115			
L57803-01LFM	LFM	03/17/20 15:16	MS200120-3	.05005	.0003	.05088	mg/L	101	70	130			
L57803-01LFMD	LFMD	03/17/20 15:18	MS200120-3	.05005	.0003	.04974	mg/L	99	70	130	2	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493518													
WG493518ICV	ICV	03/13/20 14:28	II200228-2	100		98.29	mg/L	98	95	105			
WG493518ICB	ICB	03/13/20 14:34				U	mg/L		-0.6	0.6			
WG493518LFB	LFB	03/13/20 14:47	II200302-4	49.99771		50.6	mg/L	101	85	115			
L57751-03AS	AS	03/13/20 15:00	II200302-4	249.98855	235	462.6	mg/L	91	85	115			
L57751-03ASD	ASD	03/13/20 15:04	II200302-4	249.98855	235	465.7	mg/L	92	85	115	1	20	

Magnesium, total M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493494													
WG493494ICV	ICV	03/16/20 11:32	II200302-5	100		96.75	mg/L	97	95	105			
WG493494ICB	ICB	03/16/20 11:39				U	mg/L		-0.6	0.6			
WG493418LRB	LRB	03/16/20 11:52				U	mg/L		-0.44	0.44			
WG493418LFB	LFB	03/16/20 11:55	II200302-4	49.99771		52.73	mg/L	105	85	115			
L57763-01LFM	LFM	03/16/20 12:53	II200302-4	49.99771	80.9	132.4	mg/L	103	70	130			
L57763-01LFMD	LFMD	03/16/20 12:56	II200302-4	49.99771	80.9	135.7	mg/L	110	70	130	2	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Magnesium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	100		97.44	mg/L	97	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.6	0.6			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.44	0.44			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	49.99771		46.84	mg/L	94	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	49.99771	25.5	72.94	mg/L	95	70	130			
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	49.99771	25.5	75.11	mg/L	99	70	130	3	20	

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493518													
WG493518ICV	ICV	03/13/20 14:28	II200228-2	2		1.924	mg/L	96	95	105			
WG493518ICB	ICB	03/13/20 14:34				U	mg/L		-0.03	0.03			
WG493518LFB	LFB	03/13/20 14:47	II200302-4	.5015		.517	mg/L	103	85	115			
L57751-03AS	AS	03/13/20 15:00	II200302-4	2.5075	33.2	35.295	mg/L	84	85	115			M3
L57751-03ASD	ASD	03/13/20 15:04	II200302-4	2.5075	33.2	35.42	mg/L	89	85	115	0	20	

Manganese, total M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493684													
WG493684ICV	ICV	03/17/20 15:16	II200302-5	2		1.954	mg/L	98	95	105			
WG493684ICB	ICB	03/17/20 15:22				U	mg/L		-0.03	0.03			
WG493418LRB	LRB	03/17/20 15:35				U	mg/L		-0.022	0.022			
WG493418LFB	LFB	03/17/20 15:38	II200302-4	.5015		.524	mg/L	104	85	115			
L57763-01LFM	LFM	03/17/20 16:04	II200302-4	.5015	U	.518	mg/L	103	70	130			
L57763-01LFMD	LFMD	03/17/20 16:14	II200302-4	.5015	U	.516	mg/L	103	70	130	0	20	

Manganese, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493609													
WG493609ICV	ICV	03/17/20 10:30	II200228-2	2		1.912	mg/L	96	95	105			
WG493609ICB	ICB	03/17/20 10:36				.011	mg/L		-0.03	0.03			
WG493417LRB	LRB	03/17/20 10:49				.012	mg/L		-0.022	0.022			
WG493417LFB	LFB	03/17/20 10:52	II200302-4	.5015		.52	mg/L	104	85	115			
L57822-06LFM	LFM	03/17/20 11:05	II200302-4	.5015	.03	.54	mg/L	102	70	130			
L57822-06LFMD	LFMD	03/17/20 11:08	II200302-4	.5015	.03	.548	mg/L	103	70	130	1	20	

Mercury, total M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493308													
WG493308ICV	ICV	03/11/20 13:54	HG200224-3	.004995		.00503	mg/L	101	95	105			
WG493308ICB	ICB	03/11/20 13:55				U	mg/L		-0.0002	0.0002			
WG493309													
WG493309LRB	LRB	03/11/20 14:30				U	mg/L		-0.00044	0.00044			
WG493309LFB	LFB	03/11/20 14:31	HG200302-3	.002002		.00186	mg/L	93	85	115			
L57140-06LFM	LFM	03/11/20 14:35	HG200302-3	.002002	U	.00196	mg/L	98	85	115			
L57140-06LFMD	LFMD	03/11/20 14:36	HG200302-3	.002002	U	.00185	mg/L	92	85	115	6	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Molybdenum, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493631													
WG493631ICV	ICV	03/16/20 16:13	MS200210-2	.0199		.01891	mg/L	95	90	110			
WG493631ICB	ICB	03/16/20 16:14				U	mg/L		-0.00044	0.00044			
WG493631LFB	LFB	03/16/20 16:16	MS200120-3	.0501		.04772	mg/L	95	85	115			
L57852-01AS	AS	03/16/20 16:52	MS200120-3	.0501	.0121	.06479	mg/L	105	70	130			
L57852-01ASD	ASD	03/16/20 16:54	MS200120-3	.0501	.0121	.06293	mg/L	101	70	130	3	20	

Molybdenum, total M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493610													
WG493610ICV	ICV	03/16/20 16:00	MS200210-2	.0199		.02075	mg/L	104	90	110			
WG493610ICB	ICB	03/16/20 16:02				U	mg/L		-0.0006	0.0006			
WG493427LRB1	LRB	03/16/20 16:04				U	mg/L		-0.00044	0.00044			
WG493427LFB1	LFB	03/16/20 16:06	MS200120-3	.0501		.05062	mg/L	101	85	115			
L57786-01LFM	LFM	03/16/20 16:48	MS200120-3	.0501	.0026	.05394	mg/L	102	70	130			
L57786-01LFMD	LFMD	03/16/20 16:49	MS200120-3	.0501	.0026	.05409	mg/L	103	70	130	0	20	

Molybdenum, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493714													
WG493714ICV	ICV	03/17/20 14:59	MS200210-2	.0199		.02	mg/L	101	90	110			
WG493714ICB	ICB	03/17/20 15:00				U	mg/L		-0.0006	0.0006			
WG493574LRB	LRB	03/17/20 15:02				U	mg/L		-0.00044	0.00044			
WG493574LFB	LFB	03/17/20 15:04	MS200120-3	.0501		.0468	mg/L	93	85	115			
L57803-01LFM	LFM	03/17/20 15:16	MS200120-3	.0501	.0015	.05304	mg/L	103	70	130			
L57803-01LFMD	LFMD	03/17/20 15:18	MS200120-3	.0501	.0015	.05178	mg/L	100	70	130	2	20	

Nickel, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493518													
WG493518ICV	ICV	03/13/20 14:28	II200228-2	2		1.9415	mg/L	97	95	105			
WG493518ICB	ICB	03/13/20 14:34				U	mg/L		-0.024	0.024			
WG493518LFB	LFB	03/13/20 14:47	II200302-4	.501		.5007	mg/L	100	85	115			
L57751-03AS	AS	03/13/20 15:00	II200302-4	2.505	.49	2.709	mg/L	89	85	115			
L57751-03ASD	ASD	03/13/20 15:04	II200302-4	2.505	.49	2.805	mg/L	92	85	115	3	20	

Nickel, total M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493494													
WG493494ICV	ICV	03/16/20 11:32	II200302-5	2		1.9742	mg/L	99	95	105			
WG493494ICB	ICB	03/16/20 11:39				U	mg/L		-0.024	0.024			
WG493418LRB	LRB	03/16/20 11:52				U	mg/L		-0.0176	0.0176			
WG493418LFB	LFB	03/16/20 11:55	II200302-4	.501		.5332	mg/L	106	85	115			
L57763-01LFM	LFM	03/16/20 12:53	II200302-4	.501	.153	.6737	mg/L	104	70	130			
L57763-01LFMD	LFMD	03/16/20 12:56	II200302-4	.501	.153	.6844	mg/L	106	70	130	2	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Nickel, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	2		1.9425	mg/L	97	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.024	0.024			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.0176	0.0176			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	.501		.4734	mg/L	94	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	.501	U	.4789	mg/L	96	70	130			
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	.501	U	.502	mg/L	100	70	130	5	20	

Nitrate/Nitrite as N M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494057													
WG494057ICV	ICV	03/20/20 23:58	WI200213-7	2.416		2.443	mg/L	101	90	110			
WG494057ICB	ICB	03/20/20 23:59				U	mg/L		-0.02	0.02			
WG494057LFB1	LFB	03/21/20 0:03	WI191004-3	2		2.062	mg/L	103	90	110			
L57751-03AS	AS	03/21/20 0:25	WI191004-3	2	.83	2.951	mg/L	106	90	110			
L57752-01DUP	DUP	03/21/20 0:27			1.43	1.43	mg/L				0	20	
WG494057LFB2	LFB	03/21/20 0:43	WI191004-3	2		2.03	mg/L	102	90	110			

Nitrogen, ammonia M350.1 Auto Salicylate w/gas diffusion

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493990													
WG493990ICV	ICV	03/20/20 10:55	WI190904-1	12.012		12.119	mg/L	101	90	110			
WG493990ICB	ICB	03/20/20 10:57				U	mg/L		-0.05	0.05			
WG493990LFB1	LFB	03/20/20 10:58	WI191111-3	10		10.082	mg/L	101	90	110			
WG493990LFB2	LFB	03/20/20 11:41	WI191111-3	10		10.221	mg/L	102	90	110			
L57856-02AS	AS	03/20/20 11:58	WI191111-3	10	2.9	13.342	mg/L	104	90	110			
L57856-03DUP	DUP	03/20/20 12:01			1.96	1.968	mg/L				0	20	

Nitrogen, total Kjeldahl M351.2 - TKN by Block Digester

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493975													
WG493975ICV	ICV	03/19/20 22:51	WI200229-10	4		4.11	mg/L	103	90	110			
WG493975ICB	ICB	03/19/20 22:52				U	mg/L		-0.1	0.1			
WG493875LRB1	LRB	03/19/20 22:53				U	mg/L		-0.1	0.1			
WG493875LFB1	LFB	03/19/20 22:55	WI200229-6	2.5		2.52	mg/L	101	90	110			
L57683-01DUP	DUP	03/19/20 22:57			.2	.21	mg/L				5	20	RA
L57683-02LFM	LFM	03/19/20 22:59	WI200229-6	2.5	.2	3.14	mg/L	118	90	110			M1
WG493875LRB2	LRB	03/19/20 23:27				U	mg/L		-0.1	0.1			
WG493875LFB2	LFB	03/19/20 23:28	WI200229-6	2.5		2.54	mg/L	102	90	110			

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493158													
WG493158LCSW1	LCSW	03/06/20 18:12	PCN59370	6		6.1	units	102	5.9	6.1			
WG493158LCSW4	LCSW	03/06/20 21:19	PCN59370	6		6.1	units	102	5.9	6.1			
L57763-02DUP	DUP	03/07/20 1:04			8.4	8.4	units				0	20	
WG493158LCSW7	LCSW	03/07/20 1:08	PCN59370	6		6.1	units	102	5.9	6.1			
WG493158LCSW10	LCSW	03/07/20 5:07	PCN59370	6		6.1	units	102	5.9	6.1			
WG493158LCSW13	LCSW	03/07/20 8:35	PCN59370	6		6.1	units	102	5.9	6.1			

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Phosphorus, total M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493494													
WG493494ICV	ICV	03/16/20 11:32	II200302-5	5.0075		4.98	mg/L	99	95	105			
WG493494ICB	ICB	03/16/20 11:39				U	mg/L		-0.3	0.3			
WG493418LRB	LRB	03/16/20 11:52				U	mg/L		-0.22	0.22			
WG493418LFB	LFB	03/16/20 11:55	II200302-4	1.004		1.13	mg/L	113	85	115			
L57763-01LFM	LFM	03/16/20 12:53	II200302-4	1.004	U	1.1	mg/L	110	70	130			
L57763-01LFMD	LFMD	03/16/20 12:56	II200302-4	1.004	U	1.15	mg/L	115	70	130	4	20	

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493518													
WG493518ICV	ICV	03/13/20 14:28	II200228-2	20		19.77	mg/L	99	95	105			
WG493518ICB	ICB	03/13/20 14:34				U	mg/L		-0.6	0.6			
WG493518LFB	LFB	03/13/20 14:47	II200302-4	99.95798		101.5	mg/L	102	85	115			
L57751-03AS	AS	03/13/20 15:00	II200302-4	499.7899	16	476	mg/L	92	85	115			
L57751-03ASD	ASD	03/13/20 15:04	II200302-4	499.7899	16	476.9	mg/L	92	85	115	0	20	

Potassium, total M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493494													
WG493494ICV	ICV	03/16/20 11:32	II200302-5	20		19.56	mg/L	98	95	105			
WG493494ICB	ICB	03/16/20 11:39				U	mg/L		-0.6	0.6			
WG493418LRB	LRB	03/16/20 11:52				U	mg/L		-0.44	0.44			
WG493418LFB	LFB	03/16/20 11:55	II200302-4	99.95798		106.2	mg/L	106	85	115			
L57763-01LFM	LFM	03/16/20 12:53	II200302-4	99.95798	7.3	114.8	mg/L	108	70	130			
L57763-01LFMD	LFMD	03/16/20 12:56	II200302-4	99.95798	7.3	117.7	mg/L	110	70	130	2	20	

Potassium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	20		19.57	mg/L	98	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.6	0.6			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.44	0.44			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	99.95798		94.08	mg/L	94	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	99.95798	2.6	99.53	mg/L	97	70	130			
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	99.95798	2.6	102.4	mg/L	100	70	130	3	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493243													
WG493243PBW	PBW	03/09/20 15:18				U	mg/L		-20	20			
WG493243LCSW	LCSW	03/09/20 15:20	PCN60399	1000		1000	mg/L	104	80	120			
L57769-06DUP	DUP	03/09/20 15:47			1060	1070	mg/L				1	10	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Residue, Non-Filterable (TSS) @105C SM2540D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493235													
WG493235PBW	PBW	03/09/20 13:46				U	mg/L		-5	5			
WG493235LCSW	LCSW	03/09/20 13:48	PCN60399	100		98	mg/L	108	80	120			
L57785-02DUP	DUP	03/09/20 14:41			U	U	mg/L				0	10	RA

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493631													
WG493631ICV	ICV	03/16/20 16:13	MS200210-2	.05		.04896	mg/L	98	90	110			
WG493631ICB	ICB	03/16/20 16:14				.00011	mg/L		-0.00022	0.00022			
WG493631LFB	LFB	03/16/20 16:16	MS200120-3	.05		.04956	mg/L	99	85	115			
L57852-01AS	AS	03/16/20 16:52	MS200120-3	.05	.0015	.05397	mg/L	105	70	130			
L57852-01ASD	ASD	03/16/20 16:54	MS200120-3	.05	.0015	.05006	mg/L	97	70	130	8	20	

Selenium, total M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493610													
WG493610ICV	ICV	03/16/20 16:00	MS200210-2	.05		.05163	mg/L	103	90	110			
WG493610ICB	ICB	03/16/20 16:02				U	mg/L		-0.0003	0.0003			
WG493427LRB1	LRB	03/16/20 16:04				U	mg/L		-0.00022	0.00022			
WG493427LFB1	LFB	03/16/20 16:06	MS200120-3	.05		.04945	mg/L	99	85	115			
L57786-01LFM	LFM	03/16/20 16:48	MS200120-3	.05	.0015	.05412	mg/L	105	70	130			
L57786-01LFMD	LFMD	03/16/20 16:49	MS200120-3	.05	.0015	.05418	mg/L	105	70	130	0	20	

Selenium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493714													
WG493714ICV	ICV	03/17/20 14:59	MS200210-2	.05		.0518	mg/L	104	90	110			
WG493714ICB	ICB	03/17/20 15:00				U	mg/L		-0.0003	0.0003			
WG493574LRB	LRB	03/17/20 15:02				U	mg/L		-0.00022	0.00022			
WG493574LFB	LFB	03/17/20 15:04	MS200120-3	.05		.04864	mg/L	97	85	115			
L57803-01LFM	LFM	03/17/20 15:16	MS200120-3	.05	.0003	.04987	mg/L	99	70	130			
L57803-01LFMD	LFMD	03/17/20 15:18	MS200120-3	.05	.0003	.04937	mg/L	98	70	130	1	20	

Silica, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	42.8		41.82	mg/L	98	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.6	0.6			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.44	0.44			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	21.415		19.97	mg/L	93	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	21.415	13.9	27.48	mg/L	63	70	130			MA
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	21.415	13.9	29.89	mg/L	75	70	130	8	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Silver, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493631													
WG493631ICV	ICV	03/16/20 16:13	MS200210-2	.02004		.02137	mg/L	107	90	110			
WG493631ICB	ICB	03/16/20 16:14				U	mg/L		-0.00022	0.00022			
WG493631LFB	LFB	03/16/20 16:16	MS200120-3	.01002		.01021	mg/L	102	85	115			
L57852-01AS	AS	03/16/20 16:52	MS200120-3	.01002	U	.00948	mg/L	95	70	130			
L57852-01ASD	ASD	03/16/20 16:54	MS200120-3	.01002	U	.00905	mg/L	90	70	130	5	20	

Silver, total M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493610													
WG493610ICV	ICV	03/16/20 16:00	MS200210-2	.02004		.0217	mg/L	108	90	110			
WG493610ICB	ICB	03/16/20 16:02				U	mg/L		-0.0003	0.0003			
WG493427LRB1	LRB	03/16/20 16:04				U	mg/L		-0.00022	0.00022			
WG493427LFB1	LFB	03/16/20 16:06	MS200120-3	.01002		.01001	mg/L	100	85	115			
L57786-01LFM	LFM	03/16/20 16:48	MS200120-3	.01002	.0001	.00954	mg/L	94	70	130			
L57786-01LFMD	LFMD	03/16/20 16:49	MS200120-3	.01002	.0001	.0097	mg/L	96	70	130	2	20	

Silver, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493714													
WG493714ICV	ICV	03/17/20 14:59	MS200210-2	.02004		.02206	mg/L	110	90	110			
WG493714ICB	ICB	03/17/20 15:00				U	mg/L		-0.0003	0.0003			
WG493574LRB	LRB	03/17/20 15:02				U	mg/L		-0.00022	0.00022			
WG493574LFB	LFB	03/17/20 15:04	MS200120-3	.01002		.00977	mg/L	98	85	115			
L57803-01LFM	LFM	03/17/20 15:16	MS200120-3	.01002	U	.01023	mg/L	102	70	130			
L57803-01LFMD	LFMD	03/17/20 15:18	MS200120-3	.01002	U	.01012	mg/L	101	70	130	1	20	

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493518													
WG493518ICV	ICV	03/13/20 14:28	II200228-2	100		98.71	mg/L	99	95	105			
WG493518ICB	ICB	03/13/20 14:34				U	mg/L		-0.6	0.6			
WG493518LFB	LFB	03/13/20 14:47	II200302-4	100.0046		100.9	mg/L	101	85	115			
L57751-03AS	AS	03/13/20 15:00	II200302-4	500.023	113	569.5	mg/L	91	85	115			
L57751-03ASD	ASD	03/13/20 15:04	II200302-4	500.023	113	571	mg/L	92	85	115	0	20	

Sodium, total M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493494													
WG493494ICV	ICV	03/16/20 11:32	II200302-5	100		98.28	mg/L	98	95	105			
WG493494ICB	ICB	03/16/20 11:39				U	mg/L		-0.6	0.6			
WG493418LRB	LRB	03/16/20 11:52				U	mg/L		-0.44	0.44			
WG493418LFB	LFB	03/16/20 11:55	II200302-4	100.0046		105.7	mg/L	106	85	115			
L57763-01LFM	LFM	03/16/20 12:53	II200302-4	100.0046	23.9	131	mg/L	107	70	130			
L57763-01LFMD	LFMD	03/16/20 12:56	II200302-4	100.0046	23.9	133.7	mg/L	110	70	130	2	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sodium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	100		97.91	mg/L	98	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.6	0.6			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.44	0.44			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	100.0046		93.61	mg/L	94	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	100.0046	18.6	115	mg/L	96	70	130			
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	100.0046	18.6	118.4	mg/L	100	70	130	3	20	

Strontium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493518													
WG493518ICV	ICV	03/13/20 14:28	II200228-2	2		1.9485	mg/L	97	95	105			
WG493518ICB	ICB	03/13/20 14:34				U	mg/L		-0.027	0.027			
WG493518LFB	LFB	03/13/20 14:47	II200302-4	.5015		.5072	mg/L	101	85	115			
L57751-03AS	AS	03/13/20 15:00	II200302-4	2.5075	.58	2.845	mg/L	90	85	115			
L57751-03ASD	ASD	03/13/20 15:04	II200302-4	2.5075	.58	2.845	mg/L	90	85	115	0	20	

Strontium, total M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493494													
WG493494ICV	ICV	03/16/20 11:32	II200302-5	2		1.9152	mg/L	96	95	105			
WG493494ICB	ICB	03/16/20 11:39				U	mg/L		-0.027	0.027			
WG493418LRB	LRB	03/16/20 11:52				U	mg/L		-0.0198	0.0198			
WG493418LFB	LFB	03/16/20 11:55	II200302-4	.5015		.5248	mg/L	105	85	115			
L57763-01LFM	LFM	03/16/20 12:53	II200302-4	.5015	.481	.9964	mg/L	103	70	130			
L57763-01LFMD	LFMD	03/16/20 12:56	II200302-4	.5015	.481	1.022	mg/L	108	70	130	3	20	

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG492433													
WG492433ICV	ICV	02/24/20 15:51	WI200224-2	50		50.5	mg/L	101	90	110			
WG492433ICB	ICB	02/24/20 16:09				U	mg/L		-0.4	0.4			
WG493217													
WG493217LFB	LFB	03/09/20 18:40	WI200302-3	30		30.7	mg/L	102	90	110			
L57567-04DUP	DUP	03/09/20 19:16			278	278	mg/L				0	20	
L57567-08AS	AS	03/09/20 19:52	WI200302-3	150	318	464	mg/L	97	90	110			
L57789-01AS	AS	03/10/20 0:02	WI200302-3	300	198	501	mg/L	101	90	110			
L57763-02DUP	DUP	03/11/20 17:23			210	206	mg/L				2	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfide as S SM4500S2-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493170													
WG493170ICV	ICV	03/07/20 10:50	WC200306-3	.364		.354	mg/L	97	90	110			
WG493170ICB	ICB	03/07/20 10:53				U	mg/L		-0.05	0.05			
WG493170LFB1	LFB	03/07/20 10:56	WC200306-6	.2222267		.261	mg/L	117	80	120			
WG493170LFB2	LFB	03/07/20 12:24	WC200306-6	.2222267		.262	mg/L	118	80	120			
WG493170LFB3	LFB	03/07/20 13:59	WC200306-6	.2222267		.255	mg/L	115	80	120			
L57803-01AS	AS	03/07/20 14:32	WC200306-6	.2222267	U	.237	mg/L	107	75	125			
L57803-01DUP	DUP	03/07/20 14:35			U	U	mg/L				0	20	RA

Thallium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493631													
WG493631ICV	ICV	03/16/20 16:13	MS200210-2	.05		.04989	mg/L	100	90	110			
WG493631ICB	ICB	03/16/20 16:14				U	mg/L		-0.00022	0.00022			
WG493631LFB	LFB	03/16/20 16:16	MS200120-3	.0501		.04889	mg/L	98	85	115			
L57852-01AS	AS	03/16/20 16:52	MS200120-3	.0501	U	.05063	mg/L	101	70	130			
L57852-01ASD	ASD	03/16/20 16:54	MS200120-3	.0501	U	.04873	mg/L	97	70	130	4	20	

Thallium, total M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493610													
WG493610ICV	ICV	03/16/20 16:00	MS200210-2	.05		.05502	mg/L	110	90	110			
WG493610ICB	ICB	03/16/20 16:02				U	mg/L		-0.0003	0.0003			
WG493427LRB1	LRB	03/16/20 16:04				U	mg/L		-0.00022	0.00022			
WG493427LFB1	LFB	03/16/20 16:06	MS200120-3	.0501		.05163	mg/L	103	85	115			
L57786-01LFM	LFM	03/16/20 16:48	MS200120-3	.0501	U	.05212	mg/L	104	70	130			
L57786-01LFMD	LFMD	03/16/20 16:49	MS200120-3	.0501	U	.05304	mg/L	106	70	130	2	20	

Thallium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493714													
WG493714ICV	ICV	03/17/20 14:59	MS200210-2	.05		.05164	mg/L	103	90	110			
WG493714ICB	ICB	03/17/20 15:00				U	mg/L		-0.0003	0.0003			
WG493574LRB	LRB	03/17/20 15:02				U	mg/L		-0.00022	0.00022			
WG493574LFB	LFB	03/17/20 15:04	MS200120-3	.0501		.04802	mg/L	96	85	115			
L57803-01LFM	LFM	03/17/20 15:16	MS200120-3	.0501	U	.05042	mg/L	101	70	130			
L57803-01LFMD	LFMD	03/17/20 15:18	MS200120-3	.0501	U	.04996	mg/L	100	70	130	1	20	

Thorium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493631													
WG493631ICV	ICV	03/16/20 16:13	MS200210-2	.05		.0467	mg/L	93	90	110			
WG493631ICB	ICB	03/16/20 16:14				U	mg/L		-0.0022	0.0022			
WG493631LFB	LFB	03/16/20 16:16	MS200120-3	.05		.0461	mg/L	92	85	115			
L57852-01AS	AS	03/16/20 16:52	MS200120-3	.05	U	.0488	mg/L	98	70	130			
L57852-01ASD	ASD	03/16/20 16:54	MS200120-3	.05	U	.0481	mg/L	96	70	130	1	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Thorium, total M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493610													
WG493610ICV	ICV	03/16/20 16:00	MS200210-2	.05		.0522	mg/L	104	90	110			
WG493610ICB	ICB	03/16/20 16:02				U	mg/L		-0.003	0.003			
WG493427LRB1	LRB	03/16/20 16:04				U	mg/L		-0.0022	0.0022			
WG493427LFB1	LFB	03/16/20 16:06	MS200120-3	.05		.0504	mg/L	101	85	115			
L57786-01LFM	LFM	03/16/20 16:48	MS200120-3	.05	U	.0535	mg/L	107	70	130			
L57786-01LFMD	LFMD	03/16/20 16:49	MS200120-3	.05	U	.0542	mg/L	108	70	130	1	20	

Tin, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	2		1.955	mg/L	98	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.12	0.12			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.088	0.088			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	1.002		.929	mg/L	93	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	1.002	U	.932	mg/L	93	70	130			
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	1.002	U	.968	mg/L	97	70	130	4	20	

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493631													
WG493631ICV	ICV	03/16/20 16:13	MS200210-2	.05		.04962	mg/L	99	90	110			
WG493631ICB	ICB	03/16/20 16:14				U	mg/L		-0.00022	0.00022			
WG493631LFB	LFB	03/16/20 16:16	MS200120-3	.05		.04887	mg/L	98	85	115			
L57852-01AS	AS	03/16/20 16:52	MS200120-3	.05	.0021	.05463	mg/L	105	70	130			
L57852-01ASD	ASD	03/16/20 16:54	MS200120-3	.05	.0021	.05337	mg/L	103	70	130	2	20	

Uranium, total M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493610													
WG493610ICV	ICV	03/16/20 16:00	MS200210-2	.05		.05406	mg/L	108	90	110			
WG493610ICB	ICB	03/16/20 16:02				U	mg/L		-0.0003	0.0003			
WG493427LRB1	LRB	03/16/20 16:04				U	mg/L		-0.00022	0.00022			
WG493427LFB1	LFB	03/16/20 16:06	MS200120-3	.05		.05147	mg/L	103	85	115			
L57786-01LFM	LFM	03/16/20 16:48	MS200120-3	.05	.0026	.0559	mg/L	107	70	130			
L57786-01LFMD	LFMD	03/16/20 16:49	MS200120-3	.05	.0026	.05639	mg/L	108	70	130	1	20	

Uranium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493714													
WG493714ICV	ICV	03/17/20 14:59	MS200210-2	.05		.05065	mg/L	101	90	110			
WG493714ICB	ICB	03/17/20 15:00				U	mg/L		-0.0003	0.0003			
WG493574LRB	LRB	03/17/20 15:02				U	mg/L		-0.00022	0.00022			
WG493574LFB	LFB	03/17/20 15:04	MS200120-3	.05		.04787	mg/L	96	85	115			
L57803-01LFM	LFM	03/17/20 15:16	MS200120-3	.05	.0002	.05412	mg/L	108	70	130			
L57803-01LFMD	LFMD	03/17/20 15:18	MS200120-3	.05	.0002	.05312	mg/L	106	70	130	2	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Vanadium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493631													
WG493631ICV	ICV	03/16/20 16:13	MS200210-2	.05		.04741	mg/L	95	90	110			
WG493631ICB	ICB	03/16/20 16:14				U	mg/L		-0.0011	0.0011			
WG493631LFB	LFB	03/16/20 16:16	MS200120-3	.05		.05146	mg/L	103	85	115			
L57852-01AS	AS	03/16/20 16:52	MS200120-3	.05	.0018	.05261	mg/L	102	70	130			
L57852-01ASD	ASD	03/16/20 16:54	MS200120-3	.05	.0018	.04988	mg/L	96	70	130	5	20	

Vanadium, total M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493610													
WG493610ICV	ICV	03/16/20 16:00	MS200210-2	.05		.05217	mg/L	104	90	110			
WG493610ICB	ICB	03/16/20 16:02				U	mg/L		-0.0015	0.0015			
WG493427LRB1	LRB	03/16/20 16:04				U	mg/L		-0.0011	0.0011			
WG493427LFB1	LFB	03/16/20 16:06	MS200120-3	.05		.051	mg/L	102	85	115			
L57786-01LFM	LFM	03/16/20 16:48	MS200120-3	.05	.0037	.05506	mg/L	103	70	130			
L57786-01LFMD	LFMD	03/16/20 16:49	MS200120-3	.05	.0037	.05553	mg/L	104	70	130	1	20	

Vanadium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	2		1.905	mg/L	95	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.015	0.015			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.011	0.011			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	.4995		.4651	mg/L	93	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	.4995	U	.4689	mg/L	94	70	130			
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	.4995	U	.4869	mg/L	97	70	130	4	20	

Zinc, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493518													
WG493518ICV	ICV	03/13/20 14:28	II200228-2	2		1.923	mg/L	96	95	105			
WG493518ICB	ICB	03/13/20 14:34				U	mg/L		-0.03	0.03			
WG493518LFB	LFB	03/13/20 14:47	II200302-4	.50075		.518	mg/L	103	85	115			
L57751-03AS	AS	03/13/20 15:00	II200302-4	2.50375	5.57	7.775	mg/L	88	85	115			
L57751-03ASD	ASD	03/13/20 15:04	II200302-4	2.50375	5.57	7.9	mg/L	93	85	115	2	20	

Zinc, total M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493494													
WG493494ICV	ICV	03/16/20 11:32	II200302-5	2		1.932	mg/L	97	95	105			
WG493494ICB	ICB	03/16/20 11:39				U	mg/L		-0.03	0.03			
WG493418LRB	LRB	03/16/20 11:52				U	mg/L		-0.022	0.022			
WG493418LFB	LFB	03/16/20 11:55	II200302-4	.50075		.55	mg/L	110	85	115			
L57763-01LFM	LFM	03/16/20 12:53	II200302-4	.50075	.08	.622	mg/L	108	70	130			
L57763-01LFMD	LFMD	03/16/20 12:56	II200302-4	.50075	.08	.639	mg/L	112	70	130	3	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Zinc, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493509													
WG493509ICV	ICV	03/13/20 12:36	II200228-2	2		1.911	mg/L	96	95	105			
WG493509ICB	ICB	03/13/20 12:42				U	mg/L		-0.03	0.03			
WG493417LRB	LRB	03/13/20 12:54				U	mg/L		-0.022	0.022			
WG493417LFB	LFB	03/13/20 12:58	II200302-4	.50075		.471	mg/L	94	85	115			
L57822-06LFM	LFM	03/13/20 13:22	II200302-4	.50075	U	.482	mg/L	96	70	130			
L57822-06LFMD	LFMD	03/13/20 13:31	II200302-4	.50075	U	.505	mg/L	101	70	130	5	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L57763-01	WG493217	Bromide	M300.0 - Ion Chromatography	DC	Sample required dilution. Non-target analyte exceeded calibration range.
			M300.0 - Ion Chromatography	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Fluoride	M300.0 - Ion Chromatography	DC	Sample required dilution. Non-target analyte exceeded calibration range.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493518	Manganese, dissolved	M200.7 ICP	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L57763-02	WG493108	Biochemical Oxygen Demand (5 day)	SM5210B/HACH10360	K1	The sample dilutions set-up for the BOD/CBOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
			SM5210B/HACH10360	K5	The dilution water D.O. depletion was > 0.2 mg/L.
			SM5210B/HACH10360	K6	Glucose/glutamic acid BOD/CBOD was below method acceptance criteria.
	WG493205	Chemical Oxygen Demand	M410.4	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493217	Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493518	Copper, dissolved	M200.7 ICP	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG493217	Fluoride	M300.0 - Ion Chromatography	DC	Sample required dilution. Non-target analyte exceeded calibration range.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493975	Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M351.2 - TKN by Block Digester	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493235	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG493509	Silica, total recoverable	M200.7 ICP	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
			M200.7 ICP	ZS	Digestion procedures have the potential to trigger silica polymerization and precipitation, leading to low biased results. Silica chemistry is complex and polymerization kinetics are unpredictable. Dissolved and/or acid soluble silica analyses may provide more accurate measurements.
	WG493170	Sulfide as S	SM4500S2-D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020-Q1

ACZ Sample ID: ***L57763-02***
Date Sampled: *03/04/20 11:30*
Date Received: *03/05/20*
Sample Matrix: *Groundwater*

Oil & Grease, Total Recoverable

Analysis Method: **1664A/B - Gravimetric**
Extract Method:

Workgroup: WG493502
Analyst: QHS
Extract Date:
Analysis Date: 03/13/20 9:58

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Oil and Grease		<2	U	1	*	mg/L	2	10

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
LCL	Lower Control Limit
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #4) Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
UCL	Upper Control Limit
Sample	Value of the Sample of interest

QC Sample Types

SURR	Surrogate	*LFB*	Laboratory Fortified Blank
INTS	Internal Standard	*LFM*	Laboratory Fortified Matrix
AS	Analytical Spike (Post Digestion)	*LFMD*	Laboratory Fortified Matrix Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LRB*	Laboratory Reagent Blank
DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

O	Analyte concentration is estimated due to result exceeding calibration range.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
J	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/4-90/020. Methods for the Determination of Organic Compounds in Drinking Water (I), July 1990.
(3) EPA 600/R-92/129. Methods for the Determination of Organic Compounds in Drinking Water (II), July 1990.
(4) EPA SW-846. Test Methods for Evaluating Solid Waste.
(5) Standard Methods for the Examination of Water and Wastewater.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Excluding Oil & Grease, solid & biological matrices for organic analyses are reported on a wet weight basis.
(3) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(4) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Oil & Grease, Total Recoverable

1664A/B - Gravimetric

WG493502

LCSW **Sample ID: WG493502LCSW** **PCN/SCN: OP200312-02** **Analyzed: 03/13/20 12:31**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40		35.9	mg/L	90.0	78	114			

LCSWD **Sample ID: WG493502LCSWD** **PCN/SCN: OP200312-02** **Analyzed: 03/13/20 12:45**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40		31.5	mg/L	79.0	78	114	13	18	

PBW **Sample ID: WG493502PBW** **Analyzed: 03/13/20 9:45**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE			U	mg/L						

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Organic Extended Qualifier Report

ACZ Project ID: ***L57763***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L57763-02	WG493502	Oil and Grease	1664A/B - Gravimetric	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
			1664A/B - Gravimetric	Q9	Insufficient sample received to meet method QC requirements.

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020-Q1
Locator:

ACZ Sample ID: ***L57763-02***
Date Sampled: *03/04/20 11:30*
Date Received: *03/05/20*
Sample Matrix: *Groundwater*

Combined Radium (total)
Calculation (RA226 + RA228)
Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium (total)	04/02/20 12:33		13			pCi/L		calc

Gross Alpha & Beta, total
M900.0
Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, total	03/18/20 0:21		140	14	7.1	pCi/L	*	amk
Gross Beta, total	03/18/20 0:21		44	4.7	9.4	pCi/L	*	amk

Gross Alpha, dissolved
M900.0
Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, dissolved	03/18/20 0:23		130	13	8.8	pCi/L	*	amk

Lead 210, total
EICHROM, OTW01
Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, total	03/31/20 11:06		3	1.6	3.1	pCi/L	*	jlg

Radium 226, dissolved
M903.1
Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/31/20 0:04		13	0.42	0.08	pCi/L		djc

Radium 226, total
M903.1
Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, total	03/31/20 0:02		13	0.41	0.11	pCi/L		djc

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020-Q1
Locator:

ACZ Sample ID: ***L57763-02***
Date Sampled: *03/04/20 11:30*
Date Received: *03/05/20*
Sample Matrix: *Groundwater*

Radium 228, dissolved — Prep Method:
M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	03/20/20 17:15		0.51	0.7	1.7	pCi/L	*	amk

Radium 228, total — Prep Method:
M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, total	03/20/20 17:14		0.19	0.67	1.6	pCi/L	*	amk

Thorium, Isotopic Total — Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228, total	03/19/20 7:13		0.279	0.34	0.56	pCi/L	*	djc
Thorium 230, total	03/19/20 7:13		0.388	0.3	0.42	pCi/L	*	djc
Thorium 232, total	03/19/20 7:13		-0.0294	0.08	0.22	pCi/L	*	djc

Uranium, Isotopic Dissolved — Prep Method:
Eichrom ACW03

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234, dissolved	03/31/20 8:49		89.8	11	1.2	pCi/L	*	jlg
Uranium 235, dissolved	03/31/20 8:49		2.12	1	0.33	pCi/L	*	jlg
Uranium 238, dissolved	03/31/20 8:49		37.7	5.4	0.72	pCi/L	*	jlg

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1) Solid matrices are reported on a dry weight basis.

(2) Preparation method: "Method" indicates preparation defined in analytical method.

(3) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.

(4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Alpha M900.0 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG493403																
WG493403PBW	PBW	03/18/20						-.36	0.59	11			22			
WG493403LCSWA	LCSW	03/18/20	PCN60283	100				110	8.7	12	110	67	144			
L57736-05DUP	DUP-RER	03/18/20			-0.51	0.24	4.5	1.4	1.2	3.8				1.56	2	
L57736-05DUP	DUP-RPD	03/18/20			-0.51	0.24	4.5	1.4	1.2	3.8				429	20	RG
L57736-06MSA	MS	03/18/20	PCN60283	100	1.4	2	13	93	11	6.7	92	67	144			
L57785-02DUP	DUP-RPD	03/18/20			1000	39	8.5	800	35	16				22	20	RM

Beta M900.0 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG493403																
WG493403PBW	PBW	03/18/20						.59	2.5	17			34			
WG493403LCSWB	LCSW	03/18/20	RC190918-11	102.6				100	6.3	6.7	97	82	122			
L57736-05DUP	DUP-RER	03/18/20			2	2.4	5	.53	2.7	8.8				0.41	2	
L57736-05DUP	DUP-RPD	03/18/20			2	2.4	5	.53	2.7	8.8				116	20	RG
L57785-01MSB	MS	03/18/20	RC190918-11	102.6	77	5.8	7.2	140	7.6	5.4	61	82	122			M2
L57785-02DUP	DUP-RPD	03/18/20			320	12	10	290	11	13				10	20	

Lead 210, total EICHROM, OTW01 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG493910																
L57763-02DUP	DUP-RPD	03/31/20			3	1.6	3.1	3	1.4	2.7				0	20	
L57862-03MS	MS	03/31/20	PCN59631	490.33	1300	30	17	1900	35	17	122	55	121			M1
WG493910LCSW	LCSW	03/31/20	PCN59631	98.07				97	3.7	3	99	55	121			
WG493910PBW	PBW	03/31/20						-1	1.4	3.1			6.2			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG494106																
WG494106PBW	PBW	03/31/20						.02	0.06	0.05			0.1			
WG494106LCSW	LCSW	03/31/20	PCN57864	20				19	0.55	0.11	95	43	148			
L57789-02DUP	DUP-RPD	03/31/20			10	0.38	0.03	11	0.56	0.16				10	20	
L57789-04DUP	DUP-RPD	03/31/20			26	0.58	0.13	25	0.82	0.09				4	20	
L57789-03MS	MS	03/31/20	PCN57864	40	96	1.2	0.16	140	1.9	0.08	110	43	148			

Radium 228, total M904.0 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG493555																
L57600-01DUP	DUP-RER	03/20/20			1.9	0.81	2	.57	0.81	2				1.16	2	
L57662-01MS	MS	03/20/20	PCN58076	8.66	0.89	0.86	2.1	11	1.2	2	117	47	123			
WG493555LCSW	LCSW	03/20/20	PCN58076	8.66				9.3	1.2	1.9	107	47	123			
WG493555PBW	PBW	03/20/20						.1	0.71	1.8			3.6			
L57600-01DUP	DUP-RPD	03/20/20			1.9	0.81	2	.57	0.81	2				108	20	RG
L57752-04DUP	DUP-RPD	03/20/20			0.08	0.6	1.6	.29	0.63	1.6				114	20	RG
L57752-04DUP	DUP-RER	03/20/20			0.08	0.6	1.6	.29	0.63	1.6				0.24	2	

Th-228 ESM 4506 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG494041																
WG494041PBW	PBW	03/18/20						.304	0.43	0.73			1.46			
L57691-07DUP	DUP-RPD	03/19/20			0.281	0.42	0.71	.206	0.25	0.4				31	20	RG
L57691-07DUP	DUP-RER	03/19/20			0.281	0.42	0.71	.206	0.25	0.4				0.15	2	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Th-229 ESM 4506 **Units:** %

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG494041																
WG494041PBW	PBW	03/18/20						53	130	30			60			
WG494041LCSW	LCSW	03/18/20	PCN58726					58	130	30						
L57682-01DUP	DUP-RPD	03/19/20			61	130	30	53	130	30					20	
L57682-01DUP	DUP-RER	03/19/20			61	130	30	53	130	30					20	
L57682-01DUP	DUP-RPD	03/19/20			61	130	30							14	20	
L57682-03MS	MS	03/19/20	PCN58726		51	130	30	55	130	30						
L57691-07DUP	DUP-RER	03/19/20			55	130	30	53	130	30					20	
L57691-07DUP	DUP-RPD	03/19/20			55	130	30	53	130	30					20	
L57691-07DUP	DUP-RPD	03/19/20			55	130	30							4	20	

Th-230 ESM 4506 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG494041																
WG494041PBW	PBW	03/18/20						.272	0.26	0.39			0.78			
WG494041LCSW	LCSW	03/18/20	PCN58726	200				249	35	0.45	125	91	126			
L57682-01DUP	DUP-RER	03/19/20			0.239	0.18	0.08	.653	0.42	0.54				0.91	2	
L57682-01DUP	DUP-RPD	03/19/20			0.239	0.18	0.08	.653	0.42	0.54				93	20	RG
L57682-03MS	MS	03/19/20	PCN58726	200	0.521	0.34	0.43	256	36	0.47	128	91	126			M1
L57691-07DUP	DUP-RPD	03/19/20			0.469	0.3	0.38	.218	0.18	0.09				73	20	RG
L57691-07DUP	DUP-RER	03/19/20			0.469	0.3	0.38	.218	0.18	0.09				0.72	2	

Th-232 ESM 4506 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG494041																
WG494041PBW	PBW	03/18/20						-.0319	0.09	0.23			0.46			
L57691-07DUP	DUP-RPD	03/19/20			0	0.17	0.23	0	0.18	0.24				0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

U-232 Eichrom ACW03 **Units:** %

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG494177																
WG494177LCSW	LCSW	03/31/20	RC200107-11					94	130	30						
WG494177PBW	PBW	03/31/20						83	130	30			60			
L57763-02MS	MS	03/31/20	RC200107-11		91	130	30	70	130	30						
L57751-02DUP	DUP-RER	03/31/20			85	130	30	72	130	30					20	
L57751-02DUP	DUP-RPD	03/31/20			85	130	30							17	20	
L57751-02DUP	DUP-RPD	03/31/20			85	130	30	72	130	30					20	
L57802-01DUP	DUP-RER	04/01/20			82	130	30	79	130	30					20	
L57802-01DUP	DUP-RPD	04/01/20			82	130	30							4	20	
L57802-01DUP	DUP-RPD	04/01/20			82	130	30	79	130	30					20	

U-234 Eichrom ACW03 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG494177																
WG494177LCSW	LCSW	03/31/20	RC200107-11	98				84	10	1.1	86	77	122			
WG494177PBW	PBW	03/31/20						1.01	1.7	2.9			5.8			
L57763-02MS	MS	03/31/20	RC200107-11	98	89.8	11	1.2	187	22	0.37	99	77	122			
L57751-02DUP	DUP-RPD	03/31/20			6.15	1.7	0.78	6.21	1.9	1.3				1	20	
L57802-01DUP	DUP-RPD	04/01/20			2.55	1.2	1.2	2.54	1.2	1.2				0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L57763***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

U-235 Eichrom ACW03 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG494177																
WG494177LCSW	LCSW	03/31/20	RC200107-11	4.48				4.77	1.6	0.33	106	42	136			
WG494177PBW	PBW	03/31/20						.277	0.66	1.3			2.6			
L57763-02MS	MS	03/31/20	RC200107-11	4.48	2.12	1	0.33	7.4	2.4	1.2	118	42	136			
L57751-02DUP	DUP-RER	03/31/20			0.262	0.45	0.35	.782	0.76	0.43				0.59	2	
L57751-02DUP	DUP-RPD	03/31/20			0.262	0.45	0.35	.782	0.76	0.43				100	20	RG
L57802-01DUP	DUP-RPD	04/01/20			0.307	0.49	0.38	.531	0.64	0.98				53	20	RG
L57802-01DUP	DUP-RER	04/01/20			0.307	0.49	0.38	.531	0.64	0.98				0.28	2	

U-238 Eichrom ACW03 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG494177																
WG494177LCSW	LCSW	03/31/20	RC200107-11	97.5				93	11	1.1	95	87	124			
WG494177PBW	PBW	03/31/20						1.67	2	3.3			6.6			
L57763-02MS	MS	03/31/20	RC200107-11	97.5	37.7	5.4	0.72	141	17	0.37	106	87	124			
L57751-02DUP	DUP-RPD	03/31/20			4.01	1.4	0.78	3.29	1.3	0.34				20	20	
L57802-01DUP	DUP-RPD	04/01/20			1.25	0.93	1.2	1.19	0.74	0.29				5	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L57763-02	WG493403	Gross Alpha	M900.0	RM	For a water matrix, the duplicate precision assessment (RPD or RER) exceeded the control limit. High sediment, turbidity, or presence of an immiscible liquid attributed to non-homogeneity of the sample.
		Gross Alpha, dissolved	M900.0	RM	For a water matrix, the duplicate precision assessment (RPD or RER) exceeded the control limit. High sediment, turbidity, or presence of an immiscible liquid attributed to non-homogeneity of the sample.
		Gross Beta	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG493910	Lead 210, total	EICHROM, OTW01	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG493555	Radium 228, dissolved	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Radium 228, total	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG494041	Thorium 228, total	ESM 4506	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Thorium 230, total	ESM 4506	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Thorium 232, total	ESM 4506	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG494177	Uranium 235, dissolved	Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L57763***

Metals Analysis

The following parameters are not offered for certification or are not covered by AZ certificate #AZ0102.	
Bismuth, dissolved	M200.7 ICP
Bismuth, total	M200.7 ICP
Phosphorus, total	M200.7 ICP
Thorium, dissolved	M200.8 ICP-MS
Thorium, total	M200.8 ICP-MS
The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.	
Bismuth, dissolved	M200.7 ICP
Bismuth, total	M200.7 ICP

Radiochemistry

The following parameters are not offered for certification or are not covered by AZ certificate #AZ0102.	
Lead 210, total	EICHROM, OTW01
Thorium 228, total	ESM 4506
Thorium 230, total	ESM 4506
Thorium 232, total	ESM 4506
Uranium 234, dissolved	Eichrom ACW03
Uranium 235, dissolved	Eichrom ACW03
Uranium 238, dissolved	Eichrom ACW03
The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.	
Lead 210, total	EICHROM, OTW01
Thorium 228, total	ESM 4506
Thorium 230, total	ESM 4506
Thorium 232, total	ESM 4506
Uranium 234, dissolved	Eichrom ACW03
Uranium 235, dissolved	Eichrom ACW03
Uranium 238, dissolved	Eichrom ACW03

Wet Chemistry

The following parameters are not offered for certification or are not covered by AZ certificate #AZ0102.	
Sulfide as S	SM4500S2-D

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L57763
Date Received: 03/05/2020 10:26
Received By:
Date Printed: 3/6/2020

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
NA32467	4.8	<=6.0	14	N/A

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Energy Fuels Resources (USA) Inc.

ACZ Project ID:	L57763
Date Received:	03/05/2020 10:26
Received By:	
Date Printed:	3/6/2020

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Revised Analytical Report

July 30, 2020

Report to:
Kathy Weinel
Energy Fuels Resources (USA) Inc.
225 Union Blvd. ,Suite 600
Lakewood, CO 80228

Bill to:
Accounts Payable
Energy Fuels Resources (USA) Inc.
225 Union Blvd. ,Suite 600
Lakewood, CO 80228

Project ID:
ACZ Project ID: L59529

Kathy Weinel:

Enclosed are revised analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 10, 2020 and originally reported on July 15, 2020. Refer to the case narrative for an explanation of the changes. This project was assigned to ACZ's project number, L59529. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L59529. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 14, 2020. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than $10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.

Max Janicek has reviewed and approved this report.

Energy Fuels Resources (USA) Inc. July 30, 2020

Project ID:
ACZ Project ID: L59529

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 3 groundwater samples from Energy Fuels Resources (USA) Inc. on June 10, 2020. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L59529. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic, organic, radiochemistry parameters. The individual methods are referenced on both the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

Due to an ACZ database error, the original final report for this project omitted results for dissolved Gross Alpha. The report was corrected and the final report was revised and sent to the client on 7/30/2020.

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CYN SUMP 2020-Q2

ACZ Sample ID: ***L59529-01***
Date Sampled: *06/09/20 09:33*
Date Received: *06/10/20*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Nitrogen, total Kjeldahl	M351.2 - Block Digestor								06/17/20 11:49	rbt
Total Recoverable Digestion	M200.2 ICP-MS								06/15/20 5:45	enb
Total Recoverable Digestion	M200.2 ICP								06/22/20 11:22	jlw

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CYN SUMP 2020-Q2

ACZ Sample ID: ***L59529-01***
Date Sampled: *06/09/20 09:33*
Date Received: *06/10/20*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, total recoverable	M200.7 ICP	1		U		mg/L	0.05	0.3	06/23/20 16:52	jlw
Antimony, total recoverable	M200.8 ICP-MS	1	0.0052			mg/L	0.0004	0.002	06/15/20 19:06	bsu
Arsenic, total recoverable	M200.8 ICP-MS	1	0.244			mg/L	0.0002	0.001	06/15/20 19:06	bsu
Barium, total recoverable	M200.7 ICP	1	0.034	B		mg/L	0.007	0.04	06/23/20 16:52	jlw
Beryllium, total recoverable	M200.8 ICP-MS	1		U		mg/L	0.00008	0.0003	06/15/20 19:06	bsu
Boron, total recoverable	M200.7 ICP	1	0.06	B		mg/L	0.02	0.1	06/23/20 16:52	jlw
Cadmium, total recoverable	M200.8 ICP-MS	1	0.00071			mg/L	0.00005	0.0003	06/15/20 19:06	bsu
Calcium, total recoverable	M200.7 ICP	1	94.1			mg/L	0.1	0.5	06/23/20 16:52	jlw
Chromium, total recoverable	M200.7 ICP	1		U		mg/L	0.01	0.05	06/23/20 16:52	jlw
Cobalt, total recoverable	M200.8 ICP-MS	1	0.119			mg/L	0.00005	0.0003	06/15/20 19:06	bsu
Copper, dissolved	M200.7 ICP	1		U		mg/L	0.01	0.05	06/16/20 8:53	jlw
Copper, total recoverable	M200.7 ICP	1		U		mg/L	0.01	0.05	06/23/20 16:52	jlw
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.06	0.2	06/16/20 15:52	jlw
Iron, total recoverable	M200.7 ICP	1	0.91			mg/L	0.06	0.2	06/23/20 16:52	jlw
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/22/20 21:23	bsu
Lead, total recoverable	M200.8 ICP-MS	1	0.0026			mg/L	0.0001	0.0005	06/15/20 19:06	bsu
Magnesium, total recoverable	M200.7 ICP	1	52.1			mg/L	0.2	1	06/23/20 16:52	jlw
Manganese, total recoverable	M200.7 ICP	1	0.02	B		mg/L	0.01	0.05	06/23/20 16:52	jlw
Mercury, total	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/18/20 16:39	slm
Molybdenum, total recoverable	M200.8 ICP-MS	1	0.0472			mg/L	0.0002	0.0005	06/15/20 19:06	bsu
Nickel, total recoverable	M200.7 ICP	1	0.335			mg/L	0.008	0.04	06/23/20 16:52	jlw
Potassium, total recoverable	M200.7 ICP	1	4.3			mg/L	0.2	1	06/23/20 16:52	jlw
Selenium, total recoverable	M200.8 ICP-MS	1	0.0007			mg/L	0.0001	0.0003	06/15/20 19:06	bsu
Silica, total recoverable	M200.7 ICP	1	10.7		*	mg/L	0.2	1	06/23/20 16:52	jlw
Silver, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/22/20 21:23	bsu
Silver, total recoverable	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/15/20 19:06	bsu
Sodium, total recoverable	M200.7 ICP	1	15.8			mg/L	0.2	1	06/23/20 16:52	jlw
Thallium, total recoverable	M200.8 ICP-MS	1	0.0014			mg/L	0.0001	0.0005	06/15/20 19:06	bsu
Tin, total recoverable	M200.7 ICP	1		U		mg/L	0.04	0.2	06/23/20 16:52	jlw
Uranium, dissolved	M200.8 ICP-MS	1	0.132			mg/L	0.0001	0.0005	06/22/20 21:23	bsu

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CYN SUMP 2020-Q2

ACZ Sample ID: ***L59529-01***
Date Sampled: *06/09/20 09:33*
Date Received: *06/10/20*
Sample Matrix: *Groundwater*

Uranium, total recoverable	M200.8 ICP-MS	1	0.133			mg/L	0.0001	0.0005	06/15/20 19:06	bsu
Vanadium, total recoverable	M200.7 ICP	1		U		mg/L	0.01	0.03	06/23/20 16:52	jlw
Zinc, dissolved	M200.7 ICP	1	0.46			mg/L	0.02	0.05	06/16/20 8:53	jlw
Zinc, total recoverable	M200.7 ICP	1	0.62			mg/L	0.02	0.05	06/23/20 16:52	jlw

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	237			mg/L	2	20	06/13/20 0:00	emk
Carbonate as CaCO3		1	7.0	B		mg/L	2	20	06/13/20 0:00	emk
Hydroxide as CaCO3		1		U		mg/L	2	20	06/13/20 0:00	emk
Total Alkalinity		1	244			mg/L	2	20	06/13/20 0:00	emk
Biochemical Oxygen Demand (5 day)	SM5210B/HACH10360	1		U	*	mg/L	2	2	06/10/20 11:55	eep
Chemical Oxygen Demand	M410.4	1		U	*	mg/L	10	20	06/16/20 13:41	jck
Chloride	M300.0 - Ion Chromatography	5	26.2		*	mg/L	2	10	06/22/20 16:38	krh
Conductivity @25C	SM2510B	1	859			umhos/cm	1	10	06/13/20 1:00	emk
Fluoride	M300.0 - Ion Chromatography	5		U	*	mg/L	0.25	1.25	06/22/20 16:38	krh
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.25			mg/L	0.02	0.1	06/27/20 0:58	pjb
Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	1		U	*	mg/L	0.05	0.2	06/25/20 12:15	ttg
Nitrogen, organic	M351.2 & M350.1 - TKN minus NH3			U		mg/L	0.2	0.5	07/30/20 0:00	calc
Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	1		U	*	mg/L	0.2	0.5	06/19/20 2:14	rbt
Residue, Filterable (TDS) @180C	SM2540C	1	574			mg/L	20	40	06/11/20 9:47	mlh
Residue, Non-Filterable (TSS) @105C	SM2540D	2		U	*	mg/L	10	40	06/15/20 14:31	mlh
Sulfate	M300.0 - Ion Chromatography	5	218			mg/L	2	10	06/22/20 16:38	krh
Sulfide as S	SM4500S2-D	1		U	*	mg/L	0.02	0.1	06/12/20 9:22	eep

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CYN SUMP 2020-Q2 DUP

ACZ Sample ID: ***L59529-02***
Date Sampled: *06/09/20 09:33*
Date Received: *06/10/20*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Nitrogen, total Kjeldahl	M351.2 - Block Digestor								06/17/20 11:55	rbt
Total Recoverable Digestion	M200.2 ICP-MS								06/15/20 6:03	enb
Total Recoverable Digestion	M200.2 ICP								06/22/20 11:36	jlw

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CYN SUMP 2020-Q2 DUP

ACZ Sample ID: ***L59529-02***
Date Sampled: *06/09/20 09:33*
Date Received: *06/10/20*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, total recoverable	M200.7 ICP	1		U		mg/L	0.05	0.3	06/23/20 16:55	jlw
Antimony, total recoverable	M200.8 ICP-MS	1	0.0052			mg/L	0.0004	0.002	06/15/20 19:07	bsu
Arsenic, total recoverable	M200.8 ICP-MS	1	0.243			mg/L	0.0002	0.001	06/15/20 19:07	bsu
Barium, total recoverable	M200.7 ICP	1	0.034	B		mg/L	0.007	0.04	06/23/20 16:55	jlw
Beryllium, total recoverable	M200.8 ICP-MS	1		U		mg/L	0.00008	0.0003	06/15/20 19:07	bsu
Boron, total recoverable	M200.7 ICP	1	0.06	B		mg/L	0.02	0.1	06/23/20 16:55	jlw
Cadmium, total recoverable	M200.8 ICP-MS	1	0.00068			mg/L	0.00005	0.0003	06/15/20 19:07	bsu
Calcium, total recoverable	M200.7 ICP	1	94.1			mg/L	0.1	0.5	06/23/20 16:55	jlw
Chromium, total recoverable	M200.7 ICP	1		U		mg/L	0.01	0.05	06/23/20 16:55	jlw
Cobalt, total recoverable	M200.8 ICP-MS	1	0.119			mg/L	0.00005	0.0003	06/15/20 19:07	bsu
Copper, dissolved	M200.7 ICP	1		U		mg/L	0.01	0.05	06/16/20 9:02	jlw
Copper, total recoverable	M200.7 ICP	1	0.01	B		mg/L	0.01	0.05	06/23/20 16:55	jlw
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.06	0.2	06/16/20 16:01	jlw
Iron, total recoverable	M200.7 ICP	1	0.90			mg/L	0.06	0.2	06/23/20 16:55	jlw
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/22/20 21:25	bsu
Lead, total recoverable	M200.8 ICP-MS	1	0.0026			mg/L	0.0001	0.0005	06/15/20 19:07	bsu
Magnesium, total recoverable	M200.7 ICP	1	52.2			mg/L	0.2	1	06/23/20 16:55	jlw
Manganese, total recoverable	M200.7 ICP	1	0.02	B		mg/L	0.01	0.05	06/23/20 16:55	jlw
Mercury, total	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/18/20 16:40	slm
Molybdenum, total recoverable	M200.8 ICP-MS	1	0.0471			mg/L	0.0002	0.0005	06/15/20 19:07	bsu
Nickel, total recoverable	M200.7 ICP	1	0.336			mg/L	0.008	0.04	06/23/20 16:55	jlw
Potassium, total recoverable	M200.7 ICP	1	4.2			mg/L	0.2	1	06/23/20 16:55	jlw
Selenium, total recoverable	M200.8 ICP-MS	1	0.0006			mg/L	0.0001	0.0003	06/15/20 19:07	bsu
Silica, total recoverable	M200.7 ICP	1	10.7		*	mg/L	0.2	1	06/23/20 16:55	jlw
Silver, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/22/20 21:25	bsu
Silver, total recoverable	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/15/20 19:07	bsu
Sodium, total recoverable	M200.7 ICP	1	15.8			mg/L	0.2	1	06/23/20 16:55	jlw
Thallium, total recoverable	M200.8 ICP-MS	1	0.0013			mg/L	0.0001	0.0005	06/15/20 19:07	bsu
Tin, total recoverable	M200.7 ICP	1		U		mg/L	0.04	0.2	06/23/20 16:55	jlw
Uranium, dissolved	M200.8 ICP-MS	1	0.130			mg/L	0.0001	0.0005	06/22/20 21:25	bsu

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CYN SUMP 2020-Q2 DUP

ACZ Sample ID: ***L59529-02***
Date Sampled: *06/09/20 09:33*
Date Received: *06/10/20*
Sample Matrix: *Groundwater*

Uranium, total recoverable	M200.8 ICP-MS	1	0.133			mg/L	0.0001	0.0005	06/15/20 19:07	bsu
Vanadium, total recoverable	M200.7 ICP	1		U		mg/L	0.01	0.03	06/23/20 16:55	jlw
Zinc, dissolved	M200.7 ICP	1	0.46			mg/L	0.02	0.05	06/16/20 9:02	jlw
Zinc, total recoverable	M200.7 ICP	1	0.62			mg/L	0.02	0.05	06/23/20 16:55	jlw

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	232			mg/L	2	20	06/13/20 0:00	emk
Carbonate as CaCO3		1		U		mg/L	2	20	06/13/20 0:00	emk
Hydroxide as CaCO3		1		U		mg/L	2	20	06/13/20 0:00	emk
Total Alkalinity		1	233		*	mg/L	2	20	06/13/20 0:00	emk
Biochemical Oxygen Demand (5 day)	SM5210B/HACH10360	1		U	*	mg/L	2	2	06/10/20 12:14	eep
Chemical Oxygen Demand	M410.4	1		U	*	mg/L	10	20	06/16/20 14:05	jck
Chloride	M300.0 - Ion Chromatography	5	26.2		*	mg/L	2	10	06/22/20 17:14	krh
Conductivity @25C	SM2510B	1	854			umhos/cm	1	10	06/13/20 1:47	emk
Fluoride	M300.0 - Ion Chromatography	5		U	*	mg/L	0.25	1.25	06/22/20 17:14	krh
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.23			mg/L	0.02	0.1	06/27/20 1:00	pjb
Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	1		U	*	mg/L	0.05	0.2	06/25/20 11:14	ttg
Nitrogen, organic	M351.2 & M350.1 - TKN minus NH3			U		mg/L	0.2	0.5	07/30/20 0:00	calc
Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	1		U	*	mg/L	0.2	0.5	06/19/20 2:15	rbt
Residue, Filterable (TDS) @180C	SM2540C	1	576			mg/L	20	40	06/11/20 9:50	mlh
Residue, Non-Filterable (TSS) @105C	SM2540D	1		U	*	mg/L	5	20	06/15/20 14:32	mlh
Sulfate	M300.0 - Ion Chromatography	5	217			mg/L	2	10	06/22/20 17:14	krh
Sulfide as S	SM4500S2-D	1		U	*	mg/L	0.02	0.1	06/12/20 9:26	eep

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499207													
WG499207PBW1	PBW	06/12/20 17:51				2.7	mg/L		-20	20			
WG499207LCSW3	LCSW	06/12/20 18:11	WC200608-1	820.0001		836	mg/L	102	90	110			
WG499207LCSW6	LCSW	06/12/20 21:41	WC200608-1	820.0001		836	mg/L	102	90	110			
WG499207PBW2	PBW	06/12/20 21:51				U	mg/L		-20	20			
L59529-01DUP	DUP	06/13/20 1:09			244	235	mg/L				4	20	
WG499207LCSW9	LCSW	06/13/20 1:29	WC200608-1	820.0001		838	mg/L	102	90	110			
WG499207PBW3	PBW	06/13/20 1:37				3.6	mg/L		-20	20			
L59532-04DUP	DUP	06/13/20 3:34			12.1	12.1	mg/L				0	20	RA
WG499207LCSW12	LCSW	06/13/20 6:08	WC200608-1	820.0001		848	mg/L	103	90	110			
WG499207PBW4	PBW	06/13/20 6:17				U	mg/L		-20	20			
WG499207LCSW15	LCSW	06/13/20 9:43	WC200608-1	820.0001		852	mg/L	104	90	110			

Aluminum, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	2		2.025	mg/L	101	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.15	0.15			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.11	0.11			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	1.0012		1.008	mg/L	101	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	1.0012	U	1.085	mg/L	108	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	1.0012	U	1.095	mg/L	109	70	130	1	20	

Antimony, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499347													
WG499347ICV	ICV	06/15/20 18:45	MS200511-3	.02004		.02049	mg/L	102	90	110			
WG499347ICB	ICB	06/15/20 18:47				U	mg/L		-0.0012	0.0012			
WG499241LRB	LRB	06/15/20 18:49				U	mg/L		-0.00088	0.00088			
WG499241LFB	LFB	06/15/20 18:51	MS200421-3	.01		.01084	mg/L	108	85	115			
L59534-01LFM	LFM	06/15/20 19:20	MS200421-3	.01	U	.01118	mg/L	112	70	130			
L59534-01LFMD	LFMD	06/15/20 19:26	MS200421-3	.01	U	.01108	mg/L	111	70	130	1	20	

Arsenic, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499347													
WG499347ICV	ICV	06/15/20 18:45	MS200511-3	.05		.05116	mg/L	102	90	110			
WG499347ICB	ICB	06/15/20 18:47				U	mg/L		-0.0006	0.0006			
WG499241LRB	LRB	06/15/20 18:49				U	mg/L		-0.00044	0.00044			
WG499241LFB	LFB	06/15/20 18:51	MS200421-3	.05005		.05033	mg/L	101	85	115			
L59534-01LFM	LFM	06/15/20 19:20	MS200421-3	.05005	.0021	.0503	mg/L	96	70	130			
L59534-01LFMD	LFMD	06/15/20 19:26	MS200421-3	.05005	.0021	.04986	mg/L	95	70	130	1	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Barium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	2		1.9572	mg/L	98	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.021	0.021			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.0154	0.0154			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	.5005		.4886	mg/L	98	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	.5005	.043	.5367	mg/L	99	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	.5005	.043	.5364	mg/L	99	70	130	0	20	

Beryllium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499347													
WG499347ICV	ICV	06/15/20 18:45	MS200511-3	.05		.050078	mg/L	100	90	110			
WG499347ICB	ICB	06/15/20 18:47				.00008	mg/L		-0.00024	0.00024			
WG499241LRB	LRB	06/15/20 18:49				U	mg/L		-0.000176	0.000176			
WG499241LFB	LFB	06/15/20 18:51	MS200421-3	.05005		.048641	mg/L	97	85	115			
L59534-01LFM	LFM	06/15/20 19:20	MS200421-3	.05005	U	.049228	mg/L	98	70	130			
L59534-01LFMD	LFMD	06/15/20 19:26	MS200421-3	.05005	U	.047215	mg/L	94	70	130	4	20	

Biochemical Oxygen Demand (5 day) SM5210B/HACH10360

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG498993													
WG498993LCSW1	LCSW	06/10/20 12:37	BODLCSW-2	198		164	mg/L	83	84.6	115.4			
WG498993LCSW2	LCSW	06/10/20 12:41	BODLCSW-2	198		175	mg/L	88	84.6	115.4			
WG498993LCSW3	LCSW	06/10/20 12:44	BODLCSW-2	198		187	mg/L	94	84.6	115.4			

Boron, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	2		1.992	mg/L	100	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.06	0.06			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.044	0.044			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	.5005		.512	mg/L	102	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	.5005	.33	.845	mg/L	103	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	.5005	.33	.849	mg/L	104	70	130	0	20	

Cadmium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499347													
WG499347ICV	ICV	06/15/20 18:45	MS200511-3	.05		.051419	mg/L	103	90	110			
WG499347ICB	ICB	06/15/20 18:47				U	mg/L		-0.00015	0.00015			
WG499241LRB	LRB	06/15/20 18:49				U	mg/L		-0.00011	0.00011			
WG499241LFB	LFB	06/15/20 18:51	MS200421-3	.05005		.049753	mg/L	99	85	115			
L59534-01LFM	LFM	06/15/20 19:20	MS200421-3	.05005	U	.049165	mg/L	98	70	130			
L59534-01LFMD	LFMD	06/15/20 19:26	MS200421-3	.05005	U	.048613	mg/L	97	70	130	1	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Calcium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	100		99.45	mg/L	99	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.3	0.3			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.22	0.22			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	67.9908		68.2	mg/L	100	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	67.9908	143	211.6	mg/L	101	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	67.9908	143	210.8	mg/L	100	70	130	0	20	

Chemical Oxygen Demand M410.4

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499401													
WG499401ICV	ICV	06/16/20 11:18	WC191025-4	200		198	mg/L	99	90	110			
WG499401ICB	ICB	06/16/20 11:41				U	mg/L		-10	10			
WG499401LRB	LRB	06/16/20 12:05				U	mg/L		-10	10			
WG499401LFB	LFB	06/16/20 12:29	WC200130-3	50		48	mg/L	96	90	110			
L59575-02DUP	DUP	06/16/20 15:41			U	U	mg/L				0	20	RA
L59575-02AS	AS	06/16/20 16:53	WC200130-3	50	U	54	mg/L	108	90	110			

Chloride M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG497614													
WG497614ICV	ICV	05/15/20 14:00	WI200515-2	20.02		20.1	mg/L	100	90	110			
WG497614ICB	ICB	05/15/20 14:18				U	mg/L		-0.4	0.4			
WG499817													
WG499817LFB1	LFB	06/22/20 15:26	WI200302-3	30		30.8	mg/L	103	90	110			
L59516-01DUP	DUP	06/22/20 16:20			1.66	1.66	mg/L				0	20	RA
L59529-01AS	AS	06/22/20 16:56	WI200302-3	150	26.2	175	mg/L	99	90	110			
WG499817LFB2	LFB	06/23/20 0:06	WI200302-3	30		30.8	mg/L	103	90	110			

Chromium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	2		1.956	mg/L	98	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.03	0.03			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.022	0.022			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	.501		.501	mg/L	100	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	.501	U	.5	mg/L	100	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	.501	U	.498	mg/L	99	70	130	0	20	

Cobalt, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499347													
WG499347ICV	ICV	06/15/20 18:45	MS200511-3	.05		.054618	mg/L	109	90	110			
WG499347ICB	ICB	06/15/20 18:47				U	mg/L		-0.00015	0.00015			
WG499241LRB	LRB	06/15/20 18:49				U	mg/L		-0.00011	0.00011			
WG499241LFB	LFB	06/15/20 18:51	MS200421-3	.05005		.051031	mg/L	102	85	115			
L59534-01LFM	LFM	06/15/20 19:20	MS200421-3	.05005	.00035	.049853	mg/L	99	70	130			
L59534-01LFMD	LFMD	06/15/20 19:26	MS200421-3	.05005	.00035	.049732	mg/L	99	70	130	0	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499207													
WG499207LCSW2	LCSW	06/12/20 17:58	PCN61371	1410		1420	umhos/cm	101	90	110			
WG499207LCSW5	LCSW	06/12/20 21:28	PCN61371	1410		1410	umhos/cm	100	90	110			
L59529-01DUP	DUP	06/13/20 1:09			859	856	umhos/cm				0	20	
WG499207LCSW8	LCSW	06/13/20 1:16	PCN61371	1410		1410	umhos/cm	100	90	110			
L59532-04DUP	DUP	06/13/20 3:34			45	45.4	umhos/cm				1	20	
WG499207LCSW11	LCSW	06/13/20 5:54	PCN61371	1410		1400	umhos/cm	99	90	110			
WG499207LCSW14	LCSW	06/13/20 9:30	PCN61371	1410		1390	umhos/cm	99	90	110			

Copper, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499329													
WG499329ICV	ICV	06/16/20 8:24	II200615-1	2		1.92	mg/L	96	95	105			
WG499329ICB	ICB	06/16/20 8:30				U	mg/L		-0.03	0.03			
WG499329LFB	LFB	06/16/20 8:43	II200526-3	.501		.514	mg/L	103	85	115			
L59529-01AS	AS	06/16/20 8:56	II200526-3	.501	U	.497	mg/L	99	85	115			
L59529-01ASD	ASD	06/16/20 8:59	II200526-3	.501	U	.507	mg/L	101	85	115	2	20	

Copper, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	2		1.932	mg/L	97	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.03	0.03			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.022	0.022			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	.501		.495	mg/L	99	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	.501	U	.497	mg/L	99	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	.501	U	.493	mg/L	98	70	130	1	20	

Fluoride M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG497614													
WG497614ICV	ICV	05/15/20 14:00	WI200515-2	4		4.09	mg/L	102	90	110			
WG497614ICB	ICB	05/15/20 14:18				U	mg/L		-0.05	0.05			
WG499817													
WG499817LFB1	LFB	06/22/20 15:26	WI200302-3	1.5		1.61	mg/L	107	90	110			
L59516-01DUP	DUP	06/22/20 16:20			U	U	mg/L				0	20	RA
L59529-01AS	AS	06/22/20 16:56	WI200302-3	7.5	U	7.96	mg/L	106	90	110			
WG499817LFB2	LFB	06/23/20 0:06	WI200302-3	1.5		1.61	mg/L	107	90	110			

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499385													
WG499385ICV	ICV	06/16/20 15:24	II200615-1	2		1.944	mg/L	97	95	105			
WG499385ICB	ICB	06/16/20 15:30				U	mg/L		-0.18	0.18			
WG499385LFB	LFB	06/16/20 15:43	II200526-3	1.0018		1.075	mg/L	107	85	115			
L59529-01AS	AS	06/16/20 15:55	II200526-3	1.0018	U	1.079	mg/L	108	85	115			
L59529-01ASD	ASD	06/16/20 15:58	II200526-3	1.0018	U	1.09	mg/L	109	85	115	1	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Iron, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	2		1.927	mg/L	96	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.18	0.18			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.132	0.132			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	1.0018		1.009	mg/L	101	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	1.0018	.12	1.131	mg/L	101	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	1.0018	.12	1.134	mg/L	101	70	130	0	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499864													
WG499864ICV	ICV	06/22/20 20:53	MS200511-3	.05		.05213	mg/L	104	90	110			
WG499864ICB	ICB	06/22/20 20:55				U	mg/L		-0.00022	0.00022			
WG499864LFB	LFB	06/22/20 20:57	MS200421-3	.05005		.051	mg/L	102	85	115			
L58829-06AS	AS	06/22/20 21:04	MS200421-3	.05005	U	.0499	mg/L	100	70	130			
L58829-06ASD	ASD	06/22/20 21:06	MS200421-3	.05005	U	.05359	mg/L	107	70	130	7	20	
L59641-01AS	AS	06/22/20 21:30	MS200421-3	.05005	.0001	.05141	mg/L	103	70	130			
L59641-01ASD	ASD	06/22/20 21:32	MS200421-3	.05005	.0001	.05096	mg/L	102	70	130	1	20	

Lead, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499347													
WG499347ICV	ICV	06/15/20 18:45	MS200511-3	.05		.05193	mg/L	104	90	110			
WG499347ICB	ICB	06/15/20 18:47				U	mg/L		-0.0003	0.0003			
WG499241LRB	LRB	06/15/20 18:49				U	mg/L		-0.00022	0.00022			
WG499241LFB	LFB	06/15/20 18:51	MS200421-3	.05005		.04946	mg/L	99	85	115			
L59534-01LFM	LFM	06/15/20 19:20	MS200421-3	.05005	.0001	.05084	mg/L	101	70	130			
L59534-01LFMD	LFMD	06/15/20 19:26	MS200421-3	.05005	.0001	.05023	mg/L	100	70	130	1	20	

Magnesium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	100		97.81	mg/L	98	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.6	0.6			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.44	0.44			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	49.9996		48.13	mg/L	96	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	49.9996	89.2	138.7	mg/L	99	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	49.9996	89.2	138.1	mg/L	98	70	130	0	20	

Manganese, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	2		1.924	mg/L	96	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.03	0.03			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.022	0.022			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	.5015		.5	mg/L	100	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	.5015	.12	.621	mg/L	100	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	.5015	.12	.624	mg/L	100	70	130	0	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Mercury, total M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499515													
WG499515ICV	ICV	06/18/20 14:24	HG200526-2	.004995		.00493	mg/L	99	95	105			
WG499515ICB	ICB	06/18/20 14:25				U	mg/L		-0.0002	0.0002			
WG499626													
WG499626LRB	LRB	06/18/20 16:37				U	mg/L		-0.00044	0.00044			
WG499626LFB	LFB	06/18/20 16:38	HG200608-4	.002002		.00197	mg/L	98	85	115			
L59529-03LFM	LFM	06/18/20 16:42	HG200608-4	.002002	U	.0019	mg/L	95	85	115			
L59529-03LFMD	LFMD	06/18/20 16:43	HG200608-4	.002002	U	.0019	mg/L	95	85	115	0	20	

Molybdenum, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499347													
WG499347ICV	ICV	06/15/20 18:45	MS200511-3	.0199		.02045	mg/L	103	90	110			
WG499347ICB	ICB	06/15/20 18:47				U	mg/L		-0.0006	0.0006			
WG499241LRB	LRB	06/15/20 18:49				U	mg/L		-0.00044	0.00044			
WG499241LFB	LFB	06/15/20 18:51	MS200421-3	.0501		.05028	mg/L	100	85	115			
L59534-01LFM	LFM	06/15/20 19:20	MS200421-3	.0501	.001	.05309	mg/L	104	70	130			
L59534-01LFMD	LFMD	06/15/20 19:26	MS200421-3	.0501	.001	.05236	mg/L	103	70	130	1	20	

Nickel, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	2		1.9592	mg/L	98	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.024	0.024			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.0176	0.0176			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	.501		.5075	mg/L	101	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	.501	U	.4952	mg/L	99	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	.501	U	.5032	mg/L	100	70	130	2	20	

Nitrate/Nitrite as N M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG500314													
WG500314ICV	ICV	06/26/20 22:55	WI200514-1	2.416		2.333	mg/L	97	90	110			
WG500314ICB	ICB	06/26/20 22:56				U	mg/L		-0.02	0.02			
WG500316													
WG500316LFB	LFB	06/27/20 0:57	WI200331-15	2		1.958	mg/L	98	90	110			
L59529-01AS	AS	06/27/20 0:59	WI200331-15	2	.25	2.259	mg/L	100	90	110			
L59529-02DUP	DUP	06/27/20 1:02			.23	.255	mg/L				10	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Nitrogen, ammonia M350.1 Auto Salicylate w/gas diffusion

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG500138													
WG500138ICV	ICV	06/25/20 11:08	WI200327-4	12.012		11.853	mg/L	99	90	110			
WG500138ICB	ICB	06/25/20 11:09				U	mg/L		-0.05	0.05			
WG500138LFB1	LFB	06/25/20 11:11	WI191111-3	10		10.296	mg/L	103	90	110			
WG500138LFB2	LFB	06/25/20 11:53	WI191111-3	10		10.671	mg/L	107	90	110			
L59670-01AS	AS	06/25/20 12:44	WI191111-3	10	U	10.821	mg/L	108	90	110			
L59670-02DUP	DUP	06/25/20 12:47			U	U	mg/L				0	20	RA

Nitrogen, total Kjeldahl M351.2 - TKN by Block Digester

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499680													
WG499680ICV	ICV	06/19/20 2:02	WI200602-5	4		4.03	mg/L	101	90	110			
WG499680ICB	ICB	06/19/20 2:03				U	mg/L		-0.2	0.2			
WG499382LRB1	LRB	06/19/20 2:05				U	mg/L		-0.2	0.2			
WG499382LFB1	LFB	06/19/20 2:06	WI200602-2	2.5		2.41	mg/L	96	90	110			
L59499-02LFM	LFM	06/19/20 2:08	WI200602-2	2.5	.3	2.67	mg/L	95	90	110			
L59499-03DUP	DUP	06/19/20 2:10			U	U	mg/L				0	20	RA
WG499382LRB2	LRB	06/19/20 2:38				U	mg/L		-0.2	0.2			
WG499382LFB2	LFB	06/19/20 2:39	WI200602-2	2.5		2.5	mg/L	100	90	110			
WG499680ICV1	ICV	06/19/20 3:01	WI200602-5	4		4.18	mg/L	105	90	110			
WG499680ICV2	ICV	06/19/20 3:02	WI200602-5	4		4.19	mg/L	105	90	110			
WG499680ICV3	ICV	06/19/20 3:03	WI200602-5	4		4.09	mg/L	102	90	110			
WG499680ICV4	ICV	06/19/20 3:04	WI200602-5	4		4.07	mg/L	102	90	110			

Potassium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	20		19.89	mg/L	99	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.6	0.6			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.44	0.44			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	99.96847		99.22	mg/L	99	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	99.96847	4	105.4	mg/L	101	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	99.96847	4	105.6	mg/L	102	70	130	0	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499064													
WG499064PBW	PBW	06/11/20 9:05				U	mg/L		-20	20			
WG499064LCSW	LCSW	06/11/20 9:07	PCN60942	1000		992	mg/L	99	80	120			
L59554-01DUP	DUP	06/11/20 10:10			4020	4050	mg/L				1	10	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Residue, Non-Filterable (TSS) @105C SM2540D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499198													
WG499198PBW	PBW	06/12/20 12:50				U	mg/L		-5	5			
WG499198LCSW	LCSW	06/12/20 12:52	PCN60941	100		90	mg/L	90	80	120			
L59596-02DUP	DUP	06/12/20 13:17			7	8	mg/L				13	10	RA
WG499328													
WG499328PBW	PBW	06/15/20 14:25				U	mg/L		-5	5			
WG499328LCSW	LCSW	06/15/20 14:26	PCN60943	100		90	mg/L	90	80	120			
L59570-02DUP	DUP	06/15/20 14:43			6	11	mg/L				59	10	RA

Selenium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499347													
WG499347ICV	ICV	06/15/20 18:45	MS200511-3	.05		.05116	mg/L	102	90	110			
WG499347ICB	ICB	06/15/20 18:47				U	mg/L		-0.0003	0.0003			
WG499241LRB	LRB	06/15/20 18:49				U	mg/L		-0.00022	0.00022			
WG499241LFB	LFB	06/15/20 18:51	MS200421-3	.05		.04846	mg/L	97	85	115			
L59534-01LFM	LFM	06/15/20 19:20	MS200421-3	.05	.0003	.04683	mg/L	93	70	130			
L59534-01LFMD	LFMD	06/15/20 19:26	MS200421-3	.05	.0003	.04584	mg/L	91	70	130	2	20	

Silica, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	42.8		42.97	mg/L	100	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.6	0.6			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.44	0.44			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	21.415		21.85	mg/L	102	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	21.415	11	33.12	mg/L	103	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	21.415	11	32.84	mg/L	102	70	130	1	20	

Silver, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499864													
WG499864ICV	ICV	06/22/20 20:53	MS200511-3	.02004		.01993	mg/L	99	90	110			
WG499864ICB	ICB	06/22/20 20:55				U	mg/L		-0.00022	0.00022			
WG499864LFB	LFB	06/22/20 20:57	MS200421-3	.01002		.00877	mg/L	88	85	115			
L58829-06AS	AS	06/22/20 21:04	MS200421-3	.01002	U	.00865	mg/L	86	70	130			
L58829-06ASD	ASD	06/22/20 21:06	MS200421-3	.01002	U	.00957	mg/L	96	70	130	10	20	
L59641-01AS	AS	06/22/20 21:30	MS200421-3	.01002	U	.00731	mg/L	73	70	130			
L59641-01ASD	ASD	06/22/20 21:32	MS200421-3	.01002	U	.00803	mg/L	80	70	130	9	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Silver, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499347													
WG499347ICV	ICV	06/15/20 18:45	MS200511-3	.02004		.02205	mg/L	110	90	110			
WG499347ICB	ICB	06/15/20 18:47				U	mg/L		-0.0003	0.0003			
WG499241LRB	LRB	06/15/20 18:49				U	mg/L		-0.00022	0.00022			
WG499241LFB	LFB	06/15/20 18:51	MS200421-3	.01002		.01112	mg/L	111	85	115			
L59534-01LFM	LFM	06/15/20 19:20	MS200421-3	.01002	U	.01033	mg/L	103	70	130			
L59534-01LFMD	LFMD	06/15/20 19:26	MS200421-3	.01002	U	.01039	mg/L	104	70	130	1	20	

Sodium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	100		100.03	mg/L	100	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.6	0.6			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.44	0.44			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	100.0157		98.47	mg/L	98	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	100.0157	29.9	130.6	mg/L	101	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	100.0157	29.9	130.5	mg/L	101	70	130	0	20	

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG497614													
WG497614ICV	ICV	05/15/20 14:00	WI200515-2	50		50.8	mg/L	102	90	110			
WG497614ICB	ICB	05/15/20 14:18				U	mg/L		-0.4	0.4			
WG499817													
WG499817LFB1	LFB	06/22/20 15:26	WI200302-3	30		30.5	mg/L	102	90	110			
L59529-01AS	AS	06/22/20 16:56	WI200302-3	150	218	354	mg/L	91	90	110			
WG499817LFB2	LFB	06/23/20 0:06	WI200302-3	30		30.4	mg/L	101	90	110			
L59516-01DUP	DUP	06/23/20 16:29			99.7	99.6	mg/L				0	20	

Sulfide as S SM4500S2-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499166													
WG499166ICV	ICV	06/12/20 9:10	WC200611-4	.344		.327	mg/L	95	90	110			
WG499166ICB	ICB	06/12/20 9:14				U	mg/L		-0.06	0.06			
WG499166LFB1	LFB	06/12/20 9:18	WC200611-7	.2017733		.242	mg/L	120	80	120			
L59566-02AS	AS	06/12/20 10:11	WC200611-7	.2017733	U	.098	mg/L	49	75	125			M2
L59566-02DUP	DUP	06/12/20 10:15			U	U	mg/L				0	20	RA
WG499166LFB2	LFB	06/12/20 11:17	WC200611-7	.2017733		.24	mg/L	119	80	120			

Thallium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499347													
WG499347ICV	ICV	06/15/20 18:45	MS200511-3	.05		.0513	mg/L	103	90	110			
WG499347ICB	ICB	06/15/20 18:47				U	mg/L		-0.0003	0.0003			
WG499241LRB	LRB	06/15/20 18:49				U	mg/L		-0.00022	0.00022			
WG499241LFB	LFB	06/15/20 18:51	MS200421-3	.0501		.04801	mg/L	96	85	115			
L59534-01LFM	LFM	06/15/20 19:20	MS200421-3	.0501	U	.04968	mg/L	99	70	130			
L59534-01LFMD	LFMD	06/15/20 19:26	MS200421-3	.0501	U	.04933	mg/L	98	70	130	1	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Tin, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	2		2.012	mg/L	101	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.12	0.12			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.088	0.088			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	1.002		1.005	mg/L	100	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	1.002	U	.986	mg/L	98	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	1.002	U	.986	mg/L	98	70	130	0	20	

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499864													
WG499864ICV	ICV	06/22/20 20:53	MS200511-3	.05		.05438	mg/L	109	90	110			
WG499864ICB	ICB	06/22/20 20:55				U	mg/L		-0.00022	0.00022			
WG499864LFB	LFB	06/22/20 20:57	MS200421-3	.05		.05222	mg/L	104	85	115			
L58829-06AS	AS	06/22/20 21:04	MS200421-3	.05	.0006	.05308	mg/L	105	70	130			
L58829-06ASD	ASD	06/22/20 21:06	MS200421-3	.05	.0006	.0572	mg/L	113	70	130	7	20	
L59641-01AS	AS	06/22/20 21:30	MS200421-3	.05	.0225	.07692	mg/L	109	70	130			
L59641-01ASD	ASD	06/22/20 21:32	MS200421-3	.05	.0225	.07643	mg/L	108	70	130	1	20	

Uranium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499347													
WG499347ICV	ICV	06/15/20 18:45	MS200511-3	.05		.05352	mg/L	107	90	110			
WG499347ICB	ICB	06/15/20 18:47				U	mg/L		-0.0003	0.0003			
WG499241LRB	LRB	06/15/20 18:49				U	mg/L		-0.00022	0.00022			
WG499241LFB	LFB	06/15/20 18:51	MS200421-3	.05		.05088	mg/L	102	85	115			
L59534-01LFM	LFM	06/15/20 19:20	MS200421-3	.05	U	.05397	mg/L	108	70	130			
L59534-01LFMD	LFMD	06/15/20 19:26	MS200421-3	.05	U	.053	mg/L	106	70	130	2	20	

Vanadium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	2		1.958	mg/L	98	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.015	0.015			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.022	0.022			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	.4995		.4935	mg/L	99	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	.4995	U	.4933	mg/L	99	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	.4995	U	.494	mg/L	99	70	130	0	20	

Zinc, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499329													
WG499329ICV	ICV	06/16/20 8:24	II200615-1	2		1.93	mg/L	97	95	105			
WG499329ICB	ICB	06/16/20 8:30				U	mg/L		-0.06	0.06			
WG499329LFB	LFB	06/16/20 8:43	II200526-3	.50075		.524	mg/L	105	85	115			
L59529-01AS	AS	06/16/20 8:56	II200526-3	.50075	.46	.925	mg/L	93	85	115			
L59529-01ASD	ASD	06/16/20 8:59	II200526-3	.50075	.46	.952	mg/L	98	85	115	3	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Zinc, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG499932													
WG499932ICV	ICV	06/23/20 16:26	II200615-1	2		1.939	mg/L	97	95	105			
WG499932ICB	ICB	06/23/20 16:32				U	mg/L		-0.06	0.06			
WG499812LRB	LRB	06/23/20 16:45				U	mg/L		-0.044	0.044			
WG499812LFB	LFB	06/23/20 16:49	II200618-4	.50075		.499	mg/L	100	85	115			
L59640-01LFM	LFM	06/23/20 17:08	II200618-4	.50075	U	.502	mg/L	100	70	130			
L59640-01LFMD	LFMD	06/23/20 17:11	II200618-4	.50075	U	.504	mg/L	101	70	130	0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L59529***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L59529-01	WG498993	Biochemical Oxygen Demand (5 day)	SM5210B/HACH10360	K1	The sample dilutions set-up for the BOD/CBOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
	WG499401	Chemical Oxygen Demand	M410.4	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG499817	Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Fluoride	M300.0 - Ion Chromatography	DC	Sample required dilution. Non-target analyte exceeded calibration range.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG500138	Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG499680	Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG499328	Residue, Non-Filterable (TSS) @105C	SM2540D	DJ	Sample dilution required due to insufficient sample.
			SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG499932	Silica, total recoverable	M200.7 ICP	ZS	Digestion procedures have the potential to trigger silica polymerization and precipitation, leading to low biased results. Silica chemistry is complex and polymerization kinetics are unpredictable. Dissolved and/or acid soluble silica analyses may provide more accurate measurements.
	WG499166	Sulfide as S	SM4500S2-D	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			SM4500S2-D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L59529***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L59529-02	WG498993	Biochemical Oxygen Demand (5 day)	SM5210B/HACH10360	K1	The sample dilutions set-up for the BOD/CBOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
	WG499401	Chemical Oxygen Demand	M410.4	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG499817	Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Fluoride	M300.0 - Ion Chromatography	DC	Sample required dilution. Non-target analyte exceeded calibration range.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG500138	Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG499680	Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG499328	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG499932	Silica, total recoverable	M200.7 ICP	ZS	Digestion procedures have the potential to trigger silica polymerization and precipitation, leading to low biased results. Silica chemistry is complex and polymerization kinetics are unpredictable. Dissolved and/or acid soluble silica analyses may provide more accurate measurements.
	WG499166	Sulfide as S	SM4500S2-D	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			SM4500S2-D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG499207	Total Alkalinity	SM2320B - Titration	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L59529***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L59529-03	WG498993	Biochemical Oxygen Demand (5 day)	SM5210B/HACH10360	K1	The sample dilutions set-up for the BOD/CBOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
	WG499401	Chemical Oxygen Demand	M410.4	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG499817	Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Fluoride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG500138	Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG499680	Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG499198	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG499932	Silica, total recoverable	M200.7 ICP	ZS	Digestion procedures have the potential to trigger silica polymerization and precipitation, leading to low biased results. Silica chemistry is complex and polymerization kinetics are unpredictable. Dissolved and/or acid soluble silica analyses may provide more accurate measurements.
	WG499166	Sulfide as S	SM4500S2-D	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			SM4500S2-D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG499207	Total Alkalinity	SM2320B - Titration	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CYN SUMP 2020-Q2

ACZ Sample ID: ***L59529-01***
Date Sampled: *06/09/20 9:33*
Date Received: *06/10/20*
Sample Matrix: *Groundwater*

Oil & Grease, Total Recoverable

Analysis Method: **1664A/B - Gravimetric**
Extract Method:

Workgroup: WG499164
Analyst: QHS
Extract Date:
Analysis Date: 06/12/20 12:21

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Oil and Grease			U	1		mg/L	2	10

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CYN SUMP 2020-Q2 DUP

ACZ Sample ID: ***L59529-02***
Date Sampled: *06/09/20 9:33*
Date Received: *06/10/20*
Sample Matrix: *Groundwater*

Oil & Grease, Total Recoverable

Analysis Method: **1664A/B - Gravimetric**
Extract Method:

Workgroup: WG499164
Analyst: QHS
Extract Date:
Analysis Date: 06/12/20 12:31

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Oil and Grease			U	1		mg/L	2	10

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
LCL	Lower Control Limit
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #4) Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
UCL	Upper Control Limit
Sample	Value of the Sample of interest

QC Sample Types

SURR	Surrogate	*LFB*	Laboratory Fortified Blank
INTS	Internal Standard	*LFM*	Laboratory Fortified Matrix
AS	Analytical Spike (Post Digestion)	*LFMD*	Laboratory Fortified Matrix Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LRB*	Laboratory Reagent Blank
DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

O	Analyte concentration is estimated due to result exceeding calibration range.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
J	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/4-90/020. Methods for the Determination of Organic Compounds in Drinking Water (I), July 1990.
(3) EPA 600/R-92/129. Methods for the Determination of Organic Compounds in Drinking Water (II), July 1990.
(4) EPA SW-846. Test Methods for Evaluating Solid Waste.
(5) Standard Methods for the Examination of Water and Wastewater.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Excluding Oil & Grease, solid & biological matrices for organic analyses are reported on a wet weight basis.
(3) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(4) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Oil & Grease, Total Recoverable

1664A/B - Gravimetric

WG499164

MS **Sample ID: L59383-01MS** **PCN/SCN: OPTPH200603-0** **Analyzed: 06/12/20 10:08**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40	U	32.3	mg/L	81.0	78	114			

LCSW **Sample ID: WG499164LCSW** **PCN/SCN: OPTPH200603-0** **Analyzed: 06/12/20 12:50**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40		32.7	mg/L	82.0	78	114			

LCSWD **Sample ID: WG499164LCSWD** **PCN/SCN: OPTPH200603-0** **Analyzed: 06/12/20 13:00**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40		36.2	mg/L	91.0	78	114	10	18	

PBW **Sample ID: WG499164PBW** **Analyzed: 06/12/20 9:30**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE			U	mg/L						

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Organic Extended Qualifier Report

ACZ Project ID: ***L59529***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L59529-03	WG499164	Oil and Grease	1664A/B - Gravimetric	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CYN SUMP 2020-Q2
Locator:

ACZ Sample ID: ***L59529-01***
Date Sampled: *06/09/20 9:33*
Date Received: *06/10/20*
Sample Matrix: *Groundwater*

Combined Radium (total)
Calculation (RA226 + RA228)

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium (total)	07/02/20 16:08		13			pCi/L		calc

Gross Alpha & Beta, total
M900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/21/20 0:15		160	14	11	pCi/L	*	amk
Gross Beta	06/21/20 0:15		52	4.9	7	pCi/L		amk

Gross Alpha, dissolved
M900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, dissolved	06/21/20 0:17		120	13	8.6	pCi/L	*	amk

Lead 210, total
EICHROM, OTW01

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, total	06/30/20 12:52		10	1.6	3.5	pCi/L	*	jlg

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/23/20 0:23		12	0.51	0.1	pCi/L	*	djc

Radium 226, total
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, total	06/23/20 0:21		13	0.51	0.45	pCi/L	*	djc

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CYN SUMP 2020-Q2
Locator:

ACZ Sample ID: ***L59529-01***
Date Sampled: *06/09/20 9:33*
Date Received: *06/10/20*
Sample Matrix: *Groundwater*

Radium 228, dissolved
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/22/20 12:38		0.13	0.92	2.4	pCi/L	*	isn

Radium 228, total
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, total	06/22/20 12:37		1.4	0.96	2.3	pCi/L	*	isn

Thorium, Isotopic Total
ESM 4506

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228, total	07/09/20 8:44		-0.18	0.26	0.58	pCi/L	*	djc
Thorium 230, total	07/09/20 8:44		0.0	0.5	0.5	pCi/L	*	djc
Thorium 232, total	07/09/20 8:44		-0.0895	0.13	0.36	pCi/L	*	djc

Uranium, Isotopic Dissolved
Eichrom ACW03

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234, dissolved	07/09/20 14:28		93.2	13	2.7	pCi/L	*	jlg
Uranium 235, dissolved	07/09/20 14:28		1.39	1.7	2.7	pCi/L	*	jlg
Uranium 238, dissolved	07/09/20 14:28		43.9	7.1	2	pCi/L	*	jlg

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CYN SUMP 2020-Q2 DUP
Locator:

ACZ Sample ID: ***L59529-02***
Date Sampled: *06/09/20 9:33*
Date Received: *06/10/20*
Sample Matrix: *Groundwater*

Combined Radium (total)
Calculation (RA226 + RA228)

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium (total)	07/02/20 16:08		13			pCi/L		calc

Gross Alpha & Beta, total
M900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/21/20 0:18		130	13	7.3	pCi/L	*	amk
Gross Beta	06/21/20 0:18		45	4.9	9.2	pCi/L		amk

Gross Alpha, dissolved
M900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, dissolved	06/21/20 0:20		130	13	14	pCi/L	*	amk

Lead 210, total
EICHROM, OTW01

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, total	06/30/20 12:52		13	1.5	3.1	pCi/L	*	jlg

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/23/20 0:25		11	0.48	0.12	pCi/L	*	djc

Radium 226, total
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, total	06/23/20 0:24		13	0.53	0.12	pCi/L	*	djc

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CYN SUMP 2020-Q2 DUP
Locator:

ACZ Sample ID: ***L59529-02***
Date Sampled: *06/09/20 9:33*
Date Received: *06/10/20*
Sample Matrix: *Groundwater*

Radium 228, dissolved
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/22/20 12:40		1.1	1	2.7	pCi/L	*	isn

Radium 228, total
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, total	06/22/20 12:39		-0.03	1	2.5	pCi/L	*	isn

Thorium, Isotopic Total
ESM 4506

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228, total	07/07/20 10:01		-0.0298	0.21	0.45	pCi/L	*	djc
Thorium 230, total	07/07/20 10:01		0.267	0.21	0.28	pCi/L	*	djc
Thorium 232, total	07/07/20 10:01		-0.0296	0.1	0.27	pCi/L	*	djc

Uranium, Isotopic Dissolved
Eichrom ACW03

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234, dissolved	07/09/20 14:28		92.9	11	0.97	pCi/L	*	jlg
Uranium 235, dissolved	07/09/20 14:28		2.33	1.1	0.35	pCi/L	*	jlg
Uranium 238, dissolved	07/09/20 14:28		42	5.9	0.77	pCi/L	*	jlg

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1)	Solid matrices are reported on a dry weight basis.
(2)	Preparation method: "Method" indicates preparation defined in analytical method.
(3)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Gross Alpha, dissolved M900.0 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG499456																
WG499456PBW	PBW	06/21/20						0	0.52	0.8			1.6			
WG499456LCSWA	LCSW	06/21/20	PCN60283	100				110	8.9	1.2	110	67	144			
L59477-01DUP	DUP-RPD	06/21/20			41	8.7	9.3	38	8.4	12				8	20	
L59495-01MSA	MS	06/21/20	PCN60283	153.85	82	13	32	150	18	34	44	67	144			M2

Lead 210, total EICHROM, OTW01 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG499840																
L59529-01DUP	DUP-RPD	06/30/20			10	1.6	3.5	8.9	1.5	3.3				12	20	
L59529-03MS	MS	06/30/20	PCN59633	97.31	-0.96	1.3	3.7	100	3.3	3.8	104	55	121			
WG499840LCSW	LCSW	06/30/20	PCN59633	97.31				98	3.2	3.7	101	55	121			
WG499840PBW	PBW	06/30/20						-.84	1.3	3.6			7.2			

Radium 226, total M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG499387																
WG499387PBW	PBW	06/23/20						.17	0.1	0.09			0.18			
WG499387LCSW	LCSW	06/23/20	PCN57864	20				16	0.61	0.12	80	43	148			
L59477-01DUP	DUP-RPD	06/23/20			11	0.53	0.12	9.6	0.41	0.3				14	20	
L59509-02DUP	DUP-RER	06/23/20			0.2	0.11	0.08	.3	0.12	0.24				0.61	2	
L59509-02DUP	DUP-RPD	06/23/20			0.2	0.11	0.08	.3	0.12	0.24				40	20	RG
L59506-02MS	MS	06/23/20	PCN57864	20	0.22	0.16	0.05	22	0.75	0.14	109	43	148			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Radium 228, dissolved M904.0 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG499482																
WG499482PBW	PBW	06/22/20						.3	0.45	0.45			0.9			
WG499482LCSW	LCSW	06/22/20	PCN58076	8.39				9.1	1.3	1	108	47	123			
L59581-01DUP	DUP-RPD	06/22/20			0.02	1	2.2	-.39	0.89	2.2				222	20	RG
L59581-01DUP	DUP-RER	06/22/20			0.02	1	2.2	-.39	0.89	2.2				0.31	2	
L59583-01MS	MS	06/22/20	PCN58076	8.39	-0.52	0.98	2.3	8.5	1.2	2.1	107	47	123			
L59583-02DUP	DUP-RER	06/22/20			0.59	0.83	2	-.34	0.8	2.2				0.81	2	
L59583-02DUP	DUP-RPD	06/22/20			0.59	0.83	2	-.34	0.8	2.2				744	20	RG

Th-228 ESM 4506 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG500500																
WG500500PBW	PBW	07/07/20						.243	0.3	0.49			0.98			
L59638-01DUP	DUP-RPD	07/08/20			0.136	0.22	0.38	.152	0.24	0.41				11	20	
L59529-01DUP	DUP-RPD	07/09/20			-0.18	0.26	0.58	.373	0.36	0.56				573	20	RG
L59529-01DUP	DUP-RER	07/09/20			-0.18	0.26	0.58	.373	0.36	0.56				1.24	2	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Th-229 ESM 4506 **Units:** %

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG500500																
WG500500PBW	PBW	07/07/20						48	130	30			60			
L59638-01DUP	DUP-RER	07/08/20			66	130	30	62	130	30					20	
L59638-01DUP	DUP-RPD	07/08/20			66	130	30	62	130	30					20	
L59638-01DUP	DUP-RPD	07/08/20			66	130	30							6	20	
WG500500LCSW	LCSW	07/09/20	PCN58726					55	130	30						
L59529-01DUP	DUP-RPD	07/09/20			56	130	30							4	20	
L59529-01DUP	DUP-RER	07/09/20			56	130	30	58	130	30					20	
L59529-01DUP	DUP-RPD	07/09/20			56	130	30	58	130	30					20	
L59638-02MS	MS	07/09/20	PCN58726		53	130	30	60	130	30						

Th-230 ESM 4506 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG500500																
WG500500PBW	PBW	07/07/20						.212	0.36	0.63			1.26			
L59638-01DUP	DUP-RER	07/08/20			0.0427	0.25	0.47	.178	0.29	0.51				0.35	2	
L59638-01DUP	DUP-RPD	07/08/20			0.0427	0.25	0.47	.178	0.29	0.51				123	20	RG
WG500500LCSW	LCSW	07/09/20	PCN58726	200				248	34	0.28	124	91	126			
L59529-01DUP	DUP-RPD	07/09/20			0	0.5	0.5	.0636	0.25	0.48				200	20	RG
L59529-01DUP	DUP-RER	07/09/20			0	0.5	0.5	.0636	0.25	0.48				0.11	2	
L59638-02MS	MS	07/09/20	PCN58726	200	0.141	0.38	0.68	253	35	0.49	126	91	126			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Th-232 ESM 4506 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG500500																
WG500500PBW	PBW	07/07/20						.0806	0.14	0.11			0.22			
L59638-01DUP	DUP-RER	07/08/20			0.0541	0.17	0.33	-.058	0.14	0.35				0.51	2	
L59638-01DUP	DUP-RPD	07/08/20			0.0541	0.17	0.33	-.058	0.14	0.35				5749	20	RG
L59529-01DUP	DUP-RPD	07/09/20			-0.0895	0.13	0.36	-.0277	0.15	0.34				105	20	RG
L59529-01DUP	DUP-RER	07/09/20			-0.0895	0.13	0.36	-.0277	0.15	0.34				0.31	2	

U-232 Eichrom ACW03 **Units:** %

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG500420																
WG500420PBW	PBW	07/09/20						89	130	30			60			
L59583-03DUP	DUP-RPD	07/09/20			62	130	30	82	130	30					20	
L59583-03DUP	DUP-RER	07/09/20			62	130	30	82	130	30					20	
L59583-03DUP	DUP-RPD	07/09/20			62	130	30							28	20	
L59634-01MS	MS	07/10/20	RC200107-11		90	130	30	67	130	30						
L59635-01DUP	DUP-RPD	07/10/20			83	130	30	82	130	30					20	
L59635-01DUP	DUP-RPD	07/10/20			83	130	30							1	20	
L59635-01DUP	DUP-RER	07/10/20			83	130	30	82	130	30					20	
WG500420LCSW	LCSW	07/14/20	RC200107-11					64	130	30						

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L59529***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

U-234 Eichrom ACW03 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG500420																
WG500420PBW	PBW	07/09/20						1.16	0.91	1.3			2.6			
L59583-03DUP	DUP-RER	07/09/20			2.12	1.2	1.3	1.52	1.2	1.9				0.35	2	
L59583-03DUP	DUP-RPD	07/09/20			2.12	1.2	1.3	1.52	1.2	1.9				33	20	RG
L59634-01MS	MS	07/10/20	RC200107-11	98	1.64	1	1.2	81.6	11	2.2	82	77	122			
L59635-01DUP	DUP-RPD	07/10/20			3.85	1.7	2.1	5.2	1.6	0.86				30	20	RG
L59635-01DUP	DUP-RER	07/10/20			3.85	1.7	2.1	5.2	1.6	0.86				0.58	2	
WG500420LCSW	LCSW	07/14/20	RC200107-11	98				83.4	11	1.8	85	77	122			

U-235 Eichrom ACW03 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG500420																
WG500420PBW	PBW	07/09/20						.533	0.64	0.98			1.96			
L59583-03DUP	DUP-RER	07/09/20			0	4.6	0.45	-.171	0.4	1.1				0.04	2	
L59583-03DUP	DUP-RPD	07/09/20			0	4.6	0.45	-.171	0.4	1.1				200	20	RG
L59634-01MS	MS	07/10/20	RC200107-11	4.48	-0.132	0.37	0.97	5.02	2.1	2.3	115	42	136			
L59635-01DUP	DUP-RPD	07/10/20			0.528	0.58	0.36	.77	0.67	0.35				37	20	RG
L59635-01DUP	DUP-RER	07/10/20			0.528	0.58	0.36	.77	0.67	0.35				0.27	2	
WG500420LCSW	LCSW	07/14/20	RC200107-11	4.48				3.38	1.6	1.2	75	42	136			

U-238 Eichrom ACW03 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG500420																
WG500420PBW	PBW	07/09/20						.43	0.67	1.2			2.4			
L59583-03DUP	DUP-RPD	07/09/20			1.08	0.92	1.3	1.09	1.2	2				1	20	
L59634-01MS	MS	07/10/20	RC200107-11	97.5	1.28	0.9	1.1	84.7	11	1.7	86	87	124			M2
L59635-01DUP	DUP-RPD	07/10/20			4.79	1.6	1.4	4.57	1.5	0.94				5	20	
WG500420LCSW	LCSW	07/14/20	RC200107-11	97.5				86.9	11	1.8	89	87	124			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L59529***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L59529-01	WG499456	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Gross Alpha, dissolved	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG499387	Radium 226, dissolved	M903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Radium 226, total	M903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG499482	Radium 228, dissolved	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Radium 228, total	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG500500	Thorium 228, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Thorium 230, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Thorium 232, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG500420	Uranium 234, dissolved	Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Uranium 235, dissolved	Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Uranium 238, dissolved	Eichrom ACW03	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L59529-02	WG499456	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Gross Alpha, dissolved	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG499387	Radium 226, dissolved	M903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Radium 226, total	M903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG499482	Radium 228, dissolved	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Radium 228, total	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG500500	Thorium 228, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Thorium 230, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Thorium 232, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG500420	Uranium 234, dissolved	Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Uranium 235, dissolved	Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Uranium 238, dissolved	Eichrom ACW03	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L59529***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L59529-03	WG499456	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M900.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Gross Alpha, dissolved	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M900.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Gross Beta	M900.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG499387	Radium 226, dissolved	M903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Radium 226, total	M903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG499482	Radium 228, dissolved	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Radium 228, total	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG500500	Thorium 228, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Thorium 230, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Thorium 232, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG500420	Uranium 234, dissolved	Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Uranium 235, dissolved	Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Uranium 238, dissolved	Eichrom ACW03	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

Radiochemistry

The following parameters are not offered for certification or are not covered by AZ certificate #AZ0102.

Lead 210, total	EICHROM, OTW01
Thorium 228, total	ESM 4506
Thorium 230, total	ESM 4506
Thorium 232, total	ESM 4506
Uranium 234, dissolved	Eichrom ACW03
Uranium 235, dissolved	Eichrom ACW03
Uranium 238, dissolved	Eichrom ACW03

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Lead 210, total	EICHROM, OTW01
Thorium 228, total	ESM 4506
Thorium 230, total	ESM 4506
Thorium 232, total	ESM 4506
Uranium 234, dissolved	Eichrom ACW03
Uranium 235, dissolved	Eichrom ACW03
Uranium 238, dissolved	Eichrom ACW03

Wet Chemistry

The following parameters are not offered for certification or are not covered by AZ certificate #AZ0102.

Sulfide as S	SM4500S2-D

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L59529
Date Received: 06/10/2020 10:03
Received By:
Date Printed: 6/11/2020

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?	X		

A change was made in the Report to Email section prior to ACZ custody.

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
4834	0.3	<=6.0	16	Yes
6627	5.7	<=6.0	13	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Energy Fuels Resources (USA) Inc.

ACZ Project ID:	L59529
Date Received:	06/10/2020 10:03
Received By:	
Date Printed:	6/11/2020

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

November 12, 2020

Report to:
Kathy Weinel
Energy Fuels Resources (USA) Inc.
225 Union Blvd. ,Suite 600
Lakewood, CO 80228

Bill to:
Accounts Payable
Energy Fuels Resources (USA) Inc.
225 Union Blvd. ,Suite 600
Lakewood, CO 80228

Project ID: Canyon 2016
ACZ Project ID: L61833

Kathy Weinel:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on September 30, 2020. This project has been assigned to ACZ's project number, L61833. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L61833. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after December 12, 2020. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Max Janicek has reviewed and approved this report.

Energy Fuels Resources (USA) Inc.

November 12, 2020

Project ID: Canyon 2016
ACZ Project ID: L61833

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 1 groundwater sample from Energy Fuels Resources (USA) Inc. on September 30, 2020. The sample was received in good condition. Upon receipt, the sample custodian removed the sample from the cooler, inspected the contents, and logged the sample into ACZ's computerized Laboratory Information Management System (LIMS). The sample was assigned ACZ LIMS project number L61833. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

This sample was analyzed for inorganic, organic, radiochemistry parameters. The individual methods are referenced on both the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition, the following has been noted with this specific project:

The below is from WG506390
Qualifier: N1
Applies to:
L61833-01/BOD

Samples incubated for 6 days. Incubation time exceeded method and ACZ SOP limits of 5 days. Reported data is estimate.

Energy Fuels Resources (USA) Inc.
Project ID: Canyon 2016
Sample ID: CANYON SUMP 2020 Q3

ACZ Sample ID: ***L61833-01***
Date Sampled: *09/29/20 13:35*
Date Received: *09/30/20*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Nitrogen, total Kjeldahl	M351.2 - Block Digestor								10/08/20 10:40	rbt
Total Recoverable Digestion	M200.2 ICP-MS								10/08/20 16:22	enb
Total Recoverable Digestion	M200.2 ICP								10/05/20 10:58	kja

Energy Fuels Resources (USA) Inc.
Project ID: Canyon 2016
Sample ID: CANYON SUMP 2020 Q3

ACZ Sample ID: ***L61833-01***
Date Sampled: *09/29/20 13:35*
Date Received: *09/30/20*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, total recoverable	M200.7 ICP	1	0.093	B		mg/L	0.05	0.25	10/07/20 13:22	jlw
Antimony, total recoverable	M200.8 ICP-MS	1	0.00452			mg/L	0.0004	0.002	10/12/20 16:25	mfm
Arsenic, total recoverable	M200.8 ICP-MS	1	0.143			mg/L	0.0002	0.001	10/12/20 16:25	mfm
Barium, total recoverable	M200.7 ICP	1	0.0318	B		mg/L	0.007	0.035	10/07/20 13:22	jlw
Beryllium, total recoverable	M200.8 ICP-MS	1	<0.00008	U	*	mg/L	0.00008	0.00025	10/12/20 16:25	mfm
Boron, total recoverable	M200.7 ICP	1	0.050	B		mg/L	0.02	0.1	10/07/20 13:22	jlw
Cadmium, total recoverable	M200.8 ICP-MS	1	0.000363			mg/L	0.00005	0.00025	10/12/20 16:25	mfm
Calcium, total recoverable	M200.7 ICP	1	87.4			mg/L	0.1	0.5	10/07/20 13:22	jlw
Chromium, total recoverable	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	10/07/20 13:22	jlw
Cobalt, total recoverable	M200.8 ICP-MS	1	0.112			mg/L	0.00005	0.00025	10/12/20 16:25	mfm
Copper, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	10/13/20 1:23	jlw
Copper, total recoverable	M200.7 ICP	1	0.030	B		mg/L	0.01	0.05	10/07/20 13:22	jlw
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	10/13/20 1:23	jlw
Iron, total recoverable	M200.7 ICP	1	0.280			mg/L	0.06	0.15	10/07/20 13:22	jlw
Lead, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	10/14/20 21:27	bsu
Lead, total recoverable	M200.8 ICP-MS	1	0.00109			mg/L	0.0001	0.0005	10/12/20 16:25	mfm
Magnesium, total recoverable	M200.7 ICP	1	51.2			mg/L	0.2	1	10/07/20 13:22	jlw
Manganese, total recoverable	M200.7 ICP	1	0.011	B		mg/L	0.01	0.05	10/07/20 16:04	kja
Mercury, total	M245.1 CVAA	1	<0.0002	U	*	mg/L	0.0002	0.001	10/08/20 15:19	llr
Molybdenum, total recoverable	M200.8 ICP-MS	1	0.0440			mg/L	0.0002	0.0005	10/12/20 16:25	mfm
Nickel, total recoverable	M200.7 ICP	1	0.317			mg/L	0.008	0.04	10/07/20 13:22	jlw
Potassium, total recoverable	M200.7 ICP	1	4.46			mg/L	0.2	1	10/07/20 13:22	jlw
Selenium, total recoverable	M200.8 ICP-MS	1	0.00074			mg/L	0.0001	0.00025	10/12/20 16:25	mfm
Silica, total recoverable	M200.7 ICP	1	10.6		*	mg/L	0.2	1	10/07/20 13:22	jlw
Silver, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	10/14/20 21:27	bsu
Silver, total recoverable	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	10/15/20 13:42	bsu
Sodium, total recoverable	M200.7 ICP	1	15.3			mg/L	0.2	1	10/07/20 13:22	jlw
Thallium, total recoverable	M200.8 ICP-MS	1	0.00131			mg/L	0.0001	0.0005	10/12/20 16:25	mfm
Tin, total recoverable	M200.7 ICP	1	<0.04	U		mg/L	0.04	0.2	10/07/20 13:22	jlw
Uranium, dissolved	M200.8 ICP-MS	1	0.125			mg/L	0.0001	0.0005	10/14/20 21:27	bsu

Energy Fuels Resources (USA) Inc.
Project ID: Canyon 2016
Sample ID: CANYON SUMP 2020 Q3

ACZ Sample ID: ***L61833-01***
Date Sampled: *09/29/20 13:35*
Date Received: *09/30/20*
Sample Matrix: *Groundwater*

Uranium, total recoverable	M200.8 ICP-MS	1	0.135			mg/L	0.0001	0.0005	10/12/20 16:25	mfm
Vanadium, total recoverable	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	10/07/20 13:22	jlw
Zinc, dissolved	M200.7 ICP	1	0.472			mg/L	0.02	0.05	10/13/20 1:23	jlw
Zinc, total recoverable	M200.7 ICP	1	0.502			mg/L	0.02	0.05	10/07/20 13:22	jlw

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	232			mg/L	2	20	10/07/20 0:00	eep
Carbonate as CaCO3		1	<2	U		mg/L	2	20	10/07/20 0:00	eep
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	10/07/20 0:00	eep
Total Alkalinity		1	232			mg/L	2	20	10/07/20 0:00	eep
Biochemical Oxygen Demand (5 day)	SM5210B/HACH10360	1	<2	U	*	mg/L	2	2	10/01/20 12:44	eep
Chemical Oxygen Demand	M410.4	1	<10	U	*	mg/L	10	20	10/07/20 13:43	jck
Chloride	M300.0 - Ion Chromatography	5	27.4			mg/L	2	10	10/18/20 22:49	krh
Conductivity @25C	SM2510B	1	840			umhos/cm	1	10	10/07/20 1:31	eep
Fluoride	M300.0 - Ion Chromatography	5	<0.25	U	*	mg/L	0.25	1.25	10/21/20 10:34	krh
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.263		*	mg/L	0.02	0.1	10/15/20 1:50	pjb
Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	1	<0.05	U	*	mg/L	0.05	0.2	10/14/20 12:22	mss2
Nitrogen, organic	M351.2 & M350.1 - TKN minus NH3		0.3	B		mg/L	0.2	0.5	11/12/20 0:00	calc
Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	1	0.31	B	*	mg/L	0.2	0.5	10/09/20 10:36	wtc
Residue, Filterable (TDS) @180C	SM2540C	1	566			mg/L	20	40	10/01/20 16:39	scd
Residue, Non-Filterable (TSS) @105C	SM2540D	1	<5	U	*	mg/L	5	20	09/30/20 20:24	eep
Sulfate	M300.0 - Ion Chromatography	5	224			mg/L	2	10	10/15/20 13:56	krh
Sulfide as S	SM4500S2-D	1	<0.02	U	*	mg/L	0.02	0.1	10/01/20 9:28	mlh

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506709													
WG506709PBW1	PBW	10/06/20 19:47				9.6	mg/L		-20	20			
WG506709LCSW3	LCSW	10/06/20 20:07	WC200928-1	820.0001		839.3	mg/L	102	90	110			
WG506709LCSW6	LCSW	10/06/20 23:33	WC200928-1	820.0001		847.2	mg/L	103	90	110			
WG506709PBW2	PBW	10/06/20 23:44				2.8	mg/L		-20	20			
L61840-06DUP	DUP	10/07/20 2:33			35.5	35.8	mg/L				1	20	
WG506709LCSW9	LCSW	10/07/20 2:54	WC200928-1	820.0001		851.7	mg/L	104	90	110			
WG506709PBW3	PBW	10/07/20 3:04				2.8	mg/L		-20	20			
WG506709LCSW12	LCSW	10/07/20 6:35	WC200928-1	820.0001		852.7	mg/L	104	90	110			
WG506709PBW4	PBW	10/07/20 6:46				2.9	mg/L		-20	20			
WG506709LCSW15	LCSW	10/07/20 10:50	WC200928-1	820.0001		861.6	mg/L	105	90	110			

Aluminum, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	2		1.949	mg/L	97	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.15	0.15			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.11	0.11			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	1.0012		.974	mg/L	97	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	1.0012	.166	1.258	mg/L	109	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	1.0012	.166	1.23	mg/L	106	70	130	2	20	

Antimony, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507107													
WG507107ICV	ICV	10/12/20 16:13	MS201001-3	.02004		.01971	mg/L	98	90	110			
WG507107ICB	ICB	10/12/20 16:14				.00053	mg/L		-0.0012	0.0012			
WG506875LRB	LRB	10/12/20 16:16				U	mg/L		-0.00088	0.00088			
WG506875LFB	LFB	10/12/20 16:18	MS200926-3	.01		.01129	mg/L	113	85	115			
L61887-02LFM	LFM	10/12/20 16:39	MS200926-3	.01	U	.01055	mg/L	106	70	130			
L61887-02LFMD	LFMD	10/12/20 16:41	MS200926-3	.01	U	.01062	mg/L	106	70	130	1	20	

Arsenic, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507107													
WG507107ICV	ICV	10/12/20 16:13	MS201001-3	.05		.04527	mg/L	91	90	110			
WG507107ICB	ICB	10/12/20 16:14				U	mg/L		-0.0006	0.0006			
WG506875LRB	LRB	10/12/20 16:16				U	mg/L		-0.00044	0.00044			
WG506875LFB	LFB	10/12/20 16:18	MS200926-3	.05005		.04728	mg/L	94	85	115			
L61887-02LFM	LFM	10/12/20 16:39	MS200926-3	.05005	.00129	.04217	mg/L	82	70	130			
L61887-02LFMD	LFMD	10/12/20 16:41	MS200926-3	.05005	.00129	.04359	mg/L	85	70	130	3	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Barium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	2		2.0032	mg/L	100	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.021	0.021			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.0154	0.0154			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	.5005		.4946	mg/L	99	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	.5005	.0689	.5708	mg/L	100	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	.5005	.0689	.5655	mg/L	99	70	130	1	20	

Beryllium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507107													
WG507107ICV	ICV	10/12/20 16:13	MS201001-3	.05		.046181	mg/L	92	90	110			
WG507107ICB	ICB	10/12/20 16:14				U	mg/L		-0.00024	0.00024			
WG506875LRB	LRB	10/12/20 16:16				U	mg/L		-0.000176	0.000176			
WG506875LFB	LFB	10/12/20 16:18	MS200926-3	.05005		.049774	mg/L	99	85	115			
L61887-02LFM	LFM	10/12/20 16:39	MS200926-3	.05005	U	.030186	mg/L	60	70	130			E6 M2
L61887-02LFMD	LFMD	10/12/20 16:41	MS200926-3	.05005	U	.030353	mg/L	61	70	130	1	20	E6 M2

Biochemical Oxygen Demand (5 day) SM5210B/HACH10360

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506390													
WG506390LCSW1	LCSW	10/01/20 12:49	BODLCSW-2	198		140.7	mg/L	71	84.6	115.4			K6
WG506390LCSW2	LCSW	10/01/20 12:54	BODLCSW-2	198		150.7	mg/L	76	84.6	115.4			K6
WG506390LCSW3	LCSW	10/01/20 13:00	BODLCSW-2	198		141.7	mg/L	72	84.6	115.4			K6

Boron, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	2		1.965	mg/L	98	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.06	0.06			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.044	0.044			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	.5005		.477	mg/L	95	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	.5005	.041	.541	mg/L	100	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	.5005	.041	.522	mg/L	96	70	130	4	20	

Cadmium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507107													
WG507107ICV	ICV	10/12/20 16:13	MS201001-3	.05		.045805	mg/L	92	90	110			
WG507107ICB	ICB	10/12/20 16:14				.000067	mg/L		-0.00015	0.00015			
WG506875LRB	LRB	10/12/20 16:16				U	mg/L		-0.00011	0.00011			
WG506875LFB	LFB	10/12/20 16:18	MS200926-3	.05005		.051265	mg/L	102	85	115			
L61887-02LFM	LFM	10/12/20 16:39	MS200926-3	.05005	U	.04615	mg/L	92	70	130			
L61887-02LFMD	LFMD	10/12/20 16:41	MS200926-3	.05005	U	.046024	mg/L	92	70	130	0	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Calcium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	100		98.77	mg/L	99	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.3	0.3			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.22	0.22			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	67.99353		67.02	mg/L	99	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	67.99353	46.3	113.2	mg/L	98	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	67.99353	46.3	112.7	mg/L	98	70	130	0	20	

Chemical Oxygen Demand M410.4

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506774													
WG506774ICV	ICV	10/07/20 13:01	WC191025-4	200		206	mg/L	103	90	110			
WG506774ICB	ICB	10/07/20 13:11				U	mg/L		-10	10			
WG506774LRB	LRB	10/07/20 13:22				U	mg/L		-10	10			
WG506774LFB	LFB	10/07/20 13:32	WC200831-3	50		53	mg/L	106	90	110			
L61901-02DUP	DUP	10/07/20 15:49			66	55	mg/L				18	20	RA
L61901-02AS	AS	10/07/20 16:00	WC200831-3	250	66	319	mg/L	101	90	110			

Chloride M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507235													
WG507235ICV	ICV	10/13/20 20:40	WI201009-2	20.02		19.94	mg/L	100	90	110			
WG507235ICB	ICB	10/13/20 20:57				U	mg/L		-0.4	0.4			
WG507235LFB1	LFB	10/14/20 13:30	WI200701-1	30		30.36	mg/L	101	90	110			
WG507235LFB2	LFB	10/14/20 22:10	WI200701-1	30		30.63	mg/L	102	90	110			
WG507235LFB1	LFB	10/18/20 21:19	WI200701-1	30		32.27	mg/L	108	90	110			
L61781-01DUP	DUP	10/18/20 21:55			2220	2227.41	mg/L				0	20	
L61783-05AS	AS	10/18/20 22:31	WI200701-1	15000	2310	18091.57	mg/L	105	90	110			

Chromium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	2		1.996	mg/L	100	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.03	0.03			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.022	0.022			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	.5015		.485	mg/L	97	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	.5015	U	.5	mg/L	100	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	.5015	U	.487	mg/L	97	70	130	3	20	

Cobalt, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507107													
WG507107ICV	ICV	10/12/20 16:13	MS201001-3	.05		.05003	mg/L	100	90	110			
WG507107ICB	ICB	10/12/20 16:14				.000086	mg/L		-0.00015	0.00015			
WG506875LRB	LRB	10/12/20 16:16				U	mg/L		-0.00011	0.00011			
WG506875LFB	LFB	10/12/20 16:18	MS200926-3	.05005		.05022	mg/L	100	85	115			
L61887-02LFM	LFM	10/12/20 16:39	MS200926-3	.05005	.00107	.045714	mg/L	89	70	130			
L61887-02LFMD	LFMD	10/12/20 16:41	MS200926-3	.05005	.00107	.045909	mg/L	90	70	130	0	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506709													
WG506709LCSW2	LCSW	10/06/20 19:54	PCN61570	1409		1451.2	umhos/cm	103	90	110			
WG506709LCSW5	LCSW	10/06/20 23:20	PCN61570	1409		1447.2	umhos/cm	103	90	110			
L61840-06DUP	DUP	10/07/20 2:33			681	682	umhos/cm				0	20	
WG506709LCSW8	LCSW	10/07/20 2:41	PCN61570	1409		1440.2	umhos/cm	102	90	110			
WG506709LCSW11	LCSW	10/07/20 6:22	PCN61570	1409		1436.1	umhos/cm	102	90	110			
WG506709LCSW14	LCSW	10/07/20 10:37	PCN61570	1409		1422.1	umhos/cm	101	90	110			

Copper, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506969													
WG506969ICV	ICV	10/13/20 0:38	II200921-1	2		1.95	mg/L	98	95	105			
WG506969ICB	ICB	10/13/20 0:45				U	mg/L		-0.03	0.03			
WG506969LFB	LFB	10/13/20 0:58	II201002-6	.501		.514	mg/L	103	85	115			
L61833-01AS	AS	10/13/20 1:26	II201002-6	.501	U	.513	mg/L	102	85	115			
L61833-01ASD	ASD	10/13/20 1:36	II201002-6	.501	U	.505	mg/L	101	85	115	2	20	

Copper, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	2		1.96	mg/L	98	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.03	0.03			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.022	0.022			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	.501		.496	mg/L	99	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	.501	U	.507	mg/L	101	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	.501	U	.5	mg/L	100	70	130	1	20	

Fluoride M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507545													
WG507545ICV	ICV	10/20/20 9:34	WI201018-2	4		3.959	mg/L	99	90	110			
WG507545ICB	ICB	10/20/20 9:52				U	mg/L		-0.05	0.05			
WG507759													
WG507759LFB	LFB	10/21/20 9:04	WI201018-4	1.5		1.58	mg/L	105	90	110			
L61781-01DUP	DUP	10/21/20 9:40			27.3	26.257	mg/L				4	20	RA
L61783-05AS	AS	10/21/20 10:16	WI201018-4	750	U	900.969	mg/L	120	90	110			M1

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506969													
WG506969ICV	ICV	10/13/20 0:38	II200921-1	2		1.943	mg/L	97	95	105			
WG506969ICB	ICB	10/13/20 0:45				U	mg/L		-0.18	0.18			
WG506969LFB	LFB	10/13/20 0:58	II201002-6	1.0018		1.049	mg/L	105	85	115			
L61833-01AS	AS	10/13/20 1:26	II201002-6	1.0018	U	1.022	mg/L	102	85	115			
L61833-01ASD	ASD	10/13/20 1:36	II201002-6	1.0018	U	.996	mg/L	99	85	115	3	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Iron, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	2		1.956	mg/L	98	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.18	0.18			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.132	0.132			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	1.0018		1.006	mg/L	100	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	1.0018	.254	1.274	mg/L	102	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	1.0018	.254	1.267	mg/L	101	70	130	1	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507315													
WG507315ICV	ICV	10/14/20 21:12	MS201001-3	.05		.05015	mg/L	100	90	110			
WG507315ICB	ICB	10/14/20 21:14				U	mg/L		-0.00022	0.00022			
WG507315LFB	LFB	10/14/20 21:15	MS200926-3	.05005		.04999	mg/L	100	85	115			
L61809-02AS	AS	10/14/20 21:23	MS200926-3	.05005	U	.05195	mg/L	104	70	130			
L61809-02ASD	ASD	10/14/20 21:25	MS200926-3	.05005	U	.05177	mg/L	103	70	130	0	20	

Lead, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507107													
WG507107ICV	ICV	10/12/20 16:13	MS201001-3	.05		.04793	mg/L	96	90	110			
WG507107ICB	ICB	10/12/20 16:14				.00011	mg/L		-0.0003	0.0003			
WG506875LRB	LRB	10/12/20 16:16				U	mg/L		-0.00022	0.00022			
WG506875LFB	LFB	10/12/20 16:18	MS200926-3	.05005		.05048	mg/L	101	85	115			
L61887-02LFM	LFM	10/12/20 16:39	MS200926-3	.05005	.00019	.05117	mg/L	102	70	130			
L61887-02LFMD	LFMD	10/12/20 16:41	MS200926-3	.05005	.00019	.05151	mg/L	103	70	130	1	20	

Magnesium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	100		97.36	mg/L	97	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.6	0.6			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.44	0.44			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	49.99922		47.73	mg/L	95	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	49.99922	14.9	63.1	mg/L	96	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	49.99922	14.9	62.92	mg/L	96	70	130	0	20	

Manganese, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506799													
WG506799ICV	ICV	10/07/20 15:40	II200921-1	2		1.964	mg/L	98	95	105			
WG506799ICB	ICB	10/07/20 15:46				U	mg/L		-0.03	0.03			
WG506553LRB	LRB	10/07/20 15:58				U	mg/L		-0.022	0.022			
WG506553LFB	LFB	10/07/20 16:01	II201002-6	.5005		.473	mg/L	95	85	115			
L61872-03LFM	LFM	10/07/20 16:20	II201002-6	.5005	.594	1.06	mg/L	93	70	130			
L61872-03LFMD	LFMD	10/07/20 16:23	II201002-6	.5005	.594	1.086	mg/L	98	70	130	2	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Mercury, total M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506747													
WG506747ICV	ICV	10/08/20 14:05	HG200810-2	.005		.00481	mg/L	96	95	105			
WG506747ICB	ICB	10/08/20 14:06				U	mg/L		-0.0002	0.0002			
WG506843													
WG506843LRB	LRB	10/08/20 15:18				U	mg/L		-0.00044	0.00044			
WG506843LFB	LFB	10/08/20 15:18	HG200918-3	.002002		.00174	mg/L	87	85	115			
L61873-01LFM	LFM	10/08/20 15:24	HG200918-3	.002002	U	.00166	mg/L	83	85	115			M2
L61873-01LFMD	LFMD	10/08/20 15:25	HG200918-3	.002002	U	.00167	mg/L	83	85	115	1	20	M2

Molybdenum, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507107													
WG507107ICV	ICV	10/12/20 16:13	MS201001-3	.01992		.01918	mg/L	96	90	110			
WG507107ICB	ICB	10/12/20 16:14				U	mg/L		-0.0006	0.0006			
WG506875LRB	LRB	10/12/20 16:16				U	mg/L		-0.00044	0.00044			
WG506875LFB	LFB	10/12/20 16:18	MS200926-3	.0501		.04993	mg/L	100	85	115			
L61887-02LFM	LFM	10/12/20 16:39	MS200926-3	.0501	.00141	.05283	mg/L	103	70	130			
L61887-02LFMD	LFMD	10/12/20 16:41	MS200926-3	.0501	.00141	.05291	mg/L	103	70	130	0	20	

Nickel, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	2		1.9692	mg/L	98	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.024	0.024			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.0176	0.0176			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	.501		.498	mg/L	99	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	.501	U	.5036	mg/L	101	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	.501	U	.4977	mg/L	99	70	130	1	20	

Nitrate/Nitrite as N M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507326													
WG507326ICV	ICV	10/14/20 22:15	WI200815-1	2.416		2.328	mg/L	96	90	110			
WG507326ICB	ICB	10/14/20 22:17				U	mg/L		-0.02	0.02			
WG507330													
WG507330LFB	LFB	10/15/20 1:49	WI201001-11	2		1.968	mg/L	98	90	110			
L61833-01AS	AS	10/15/20 1:52	WI201001-11	2	.263	2.256	mg/L	100	90	110			
L61849-01DUP	DUP	10/15/20 1:54			.08	.079	mg/L				1	20	RA

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Nitrogen, ammonia M350.1 Auto Salicylate w/gas diffusion

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507260													
WG507260ICV	ICV	10/14/20 11:57	WI201001-6	11.988		11.837	mg/L	99	90	110			
WG507260ICB	ICB	10/14/20 11:58				U	mg/L		-0.05	0.05			
WG507260LFB1	LFB	10/14/20 12:00	WI191111-3	10		9.854	mg/L	99	90	110			
L61833-01DUP	DUP	10/14/20 12:23			U	U	mg/L				0	20	RA
L61915-01AS	AS	10/14/20 12:26	WI191111-3	10	U	9.398	mg/L	94	90	110			
WG507260LFB2	LFB	10/14/20 12:42	WI191111-3	10		9.663	mg/L	97	90	110			

Nitrogen, total Kjeldahl M351.2 - TKN by Block Digester

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506937													
WG506937ICV	ICV	10/09/20 10:25	WI201006-3	4		4.24	mg/L	106	90	110			
WG506937ICB	ICB	10/09/20 10:26				U	mg/L		-0.2	0.2			
WG506838LRB	LRB	10/09/20 10:27				U	mg/L		-0.2	0.2			
WG506838LFB	LFB	10/09/20 10:40	WI200810-2	2.5		2.7	mg/L	108	90	110			
WG506937ICV1	ICV	10/09/20 12:09	WI201006-3	4		4.19	mg/L	105	90	110			M1
WG506937ICB1	ICB	10/09/20 12:10				U	mg/L		-0.2	0.2			
L61781-01LFM	LFM	10/09/20 12:16	WI200810-2	2.5	220	212	mg/L	-320	90	110			M3
L61783-03DUP	DUP	10/09/20 12:18			280	272	mg/L				3	20	

Potassium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	20		19.68	mg/L	98	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.6	0.6			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.44	0.44			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	99.96637		97.04	mg/L	97	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	99.96637	3.57	102.2	mg/L	99	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	99.96637	3.57	101.7	mg/L	98	70	130	0	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506430													
WG506430PBW	PBW	10/01/20 16:00				U	mg/L		-20	20			
WG506430LCSW	LCSW	10/01/20 16:02	PCN62157	1000		984	mg/L	98	80	120			
L61843-09DUP	DUP	10/01/20 17:00			126000	129800	mg/L				3	10	

Residue, Non-Filterable (TSS) @105C SM2540D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506335													
WG506335PBW	PBW	09/30/20 20:20				U	mg/L		-5	5			
WG506335LCSW	LCSW	09/30/20 20:22	PCN62157	100		91	mg/L	91	80	120			
L61835-09DUP	DUP	09/30/20 20:48			8	8	mg/L				0	10	RA

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Selenium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507107													
WG507107ICV	ICV	10/12/20 16:13	MS201001-3	.05		.04866	mg/L	97	90	110			
WG507107ICB	ICB	10/12/20 16:14				.0001	mg/L		-0.0003	0.0003			
WG506875LRB	LRB	10/12/20 16:16				U	mg/L		-0.00022	0.00022			
WG506875LFB	LFB	10/12/20 16:18	MS200926-3	.05		.05019	mg/L	100	85	115			
L61887-02LFM	LFM	10/12/20 16:39	MS200926-3	.05	.00065	.05184	mg/L	102	70	130			
L61887-02LFMD	LFMD	10/12/20 16:41	MS200926-3	.05	.00065	.04836	mg/L	95	70	130	7	20	

Silica, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	42.8		44.04	mg/L	103	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.6	0.6			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.44	0.44			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	21.415		19.88	mg/L	93	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	21.415	8.3	29.81	mg/L	100	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	21.415	8.3	15.44	mg/L	33	70	130	64	20	M2 RS

Silver, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507315													
WG507315ICV	ICV	10/14/20 21:12	MS201001-3	.02004		.01927	mg/L	96	90	110			
WG507315ICB	ICB	10/14/20 21:14				U	mg/L		-0.00022	0.00022			
WG507315LFB	LFB	10/14/20 21:15	MS200926-3	.01002		.00955	mg/L	95	85	115			
L61809-02AS	AS	10/14/20 21:23	MS200926-3	.01002	U	.00899	mg/L	90	70	130			
L61809-02ASD	ASD	10/14/20 21:25	MS200926-3	.01002	U	.00904	mg/L	90	70	130	1	20	

Silver, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507381													
WG507381ICV	ICV	10/15/20 13:32	MS201001-3	.02004		.01926	mg/L	96	90	110			
WG507381ICB	ICB	10/15/20 13:34				U	mg/L		-0.0003	0.0003			
WG506875LRB	LRB	10/15/20 13:36				U	mg/L		-0.00022	0.00022			
WG506875LFB	LFB	10/15/20 13:38	MS200926-3	.01002		.00932	mg/L	93	85	115			
L61887-02LFM	LFM	10/15/20 13:45	MS200926-3	.01002	U	.00845	mg/L	84	70	130			
L61887-02LFMD	LFMD	10/15/20 13:47	MS200926-3	.01002	U	.00857	mg/L	86	70	130	1	20	

Sodium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	100		98.32	mg/L	98	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.6	0.6			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.44	0.44			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	100.0125		96.12	mg/L	96	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	100.0125	113	206.8	mg/L	94	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	100.0125	113	205.7	mg/L	93	70	130	1	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507235													
WG507235ICV	ICV	10/13/20 20:40	WI201009-2	50		50.15	mg/L	100	90	110			
WG507235ICB	ICB	10/13/20 20:57				U	mg/L		-0.4	0.4			
WG507235LFB1	LFB	10/14/20 13:30	WI200701-1	30		30.23	mg/L	101	90	110			
L61781-01DUP	DUP	10/14/20 14:06			24400	24620.57	mg/L				1	20	
L61783-05AS	AS	10/14/20 14:42	WI200701-1	15000	17300	32215.67	mg/L	99	90	110			
WG507235LFB2	LFB	10/14/20 22:10	WI200701-1	30		30.16	mg/L	101	90	110			
WG507235LFB1	LFB	10/15/20 12:26	WI200701-1	30		31.93	mg/L	106	90	110			

Sulfide as S SM4500S2-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506357													
WG506357ICV	ICV	10/01/20 8:53	WC201001-3	.35466		.351	mg/L	99	90	110			
WG506357ICB	ICB	10/01/20 8:58				U	mg/L		-0.05	0.05			
WG506357LFB1	LFB	10/01/20 9:04	WC201001-6	.2186667		.225	mg/L	103	80	120			
L61833-01AS	AS	10/01/20 9:33	WC201001-6	.2186667	U	.213	mg/L	97	75	125			
L61833-01ASD	ASD	10/01/20 9:39	WC201001-6	.2186667	U	.218	mg/L	100	75	125	2	20	
WG506357LFB2	LFB	10/01/20 12:41	WC201001-6	.2186667		.22	mg/L	101	80	120			
WG506357LFB3	LFB	10/01/20 15:07	WC201001-6	.2186667		.221	mg/L	101	80	120			

Thallium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507107													
WG507107ICV	ICV	10/12/20 16:13	MS201001-3	.05		.04827	mg/L	97	90	110			
WG507107ICB	ICB	10/12/20 16:14				U	mg/L		-0.0003	0.0003			
WG506875LRB	LRB	10/12/20 16:16				U	mg/L		-0.00022	0.00022			
WG506875LFB	LFB	10/12/20 16:18	MS200926-3	.0501		.05027	mg/L	100	85	115			
L61887-02LFM	LFM	10/12/20 16:39	MS200926-3	.0501	U	.05207	mg/L	104	70	130			
L61887-02LFMD	LFMD	10/12/20 16:41	MS200926-3	.0501	U	.05263	mg/L	105	70	130	1	20	

Tin, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	2		2.013	mg/L	101	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.12	0.12			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.088	0.088			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	1.002		.949	mg/L	95	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	1.002	U	.972	mg/L	97	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	1.002	U	.955	mg/L	95	70	130	2	20	

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507315													
WG507315ICV	ICV	10/14/20 21:12	MS201001-3	.05		.04994	mg/L	100	90	110			
WG507315ICB	ICB	10/14/20 21:14				U	mg/L		-0.00022	0.00022			
WG507315LFB	LFB	10/14/20 21:15	MS200926-3	.05		.04972	mg/L	99	85	115			
L61809-02AS	AS	10/14/20 21:23	MS200926-3	.05	.0002	.0534	mg/L	106	70	130			
L61809-02ASD	ASD	10/14/20 21:25	MS200926-3	.05	.0002	.05444	mg/L	108	70	130	2	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Uranium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507107													
WG507107ICV	ICV	10/12/20 16:13	MS201001-3	.05		.04854	mg/L	97	90	110			
WG507107ICB	ICB	10/12/20 16:14				U	mg/L		-0.0003	0.0003			
WG506875LRB	LRB	10/12/20 16:16				U	mg/L		-0.00022	0.00022			
WG506875LFB	LFB	10/12/20 16:18	MS200926-3	.05		.05076	mg/L	102	85	115			
L61887-02LFM	LFM	10/12/20 16:39	MS200926-3	.05	.005	.06217	mg/L	114	70	130			
L61887-02LFMD	LFMD	10/12/20 16:41	MS200926-3	.05	.005	.06282	mg/L	116	70	130	1	20	

Vanadium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	2		2.004	mg/L	100	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.015	0.015			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.022	0.022			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	.4995		.4942	mg/L	99	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	.4995	U	.5095	mg/L	102	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	.4995	U	.502	mg/L	101	70	130	1	20	

Zinc, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506969													
WG506969ICV	ICV	10/13/20 0:38	II200921-1	2		1.93	mg/L	97	95	105			
WG506969ICB	ICB	10/13/20 0:45				U	mg/L		-0.06	0.06			
WG506969LFB	LFB	10/13/20 0:58	II201002-6	.50075		.573	mg/L	114	85	115			
L61833-01AS	AS	10/13/20 1:26	II201002-6	.50075	.472	.959	mg/L	97	85	115			
L61833-01ASD	ASD	10/13/20 1:36	II201002-6	.50075	.472	.955	mg/L	96	85	115	0	20	

Zinc, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG506653													
WG506653ICV	ICV	10/07/20 12:58	II200921-1	2		2.012	mg/L	101	95	105			
WG506653ICB	ICB	10/07/20 13:03				U	mg/L		-0.06	0.06			
WG506553LRB	LRB	10/07/20 13:16				U	mg/L		-0.044	0.044			
WG506553LFB	LFB	10/07/20 13:19	II201002-6	.50075		.486	mg/L	97	85	115			
L61838-01LFM	LFM	10/07/20 13:28	II201002-6	.50075	U	.516	mg/L	103	70	130			
L61838-01LFMD	LFMD	10/07/20 13:31	II201002-6	.50075	U	.509	mg/L	102	70	130	1	20	

ACZ Laboratories, Inc.
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Inorganic Extended Qualifier Report

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L61833***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L61833-01	WG507107	Beryllium, total recoverable	M200.8 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG506390	Biochemical Oxygen Demand (5 day)	SM5210B/HACH10360	A2	Sample incubation period exceeded method requirement.
			SM5210B/HACH10360	K1	The sample dilutions set-up for the BOD/CBOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
			SM5210B/HACH10360	K6	Glucose/glutamic acid BOD/CBOD was below method acceptance criteria.
			SM5210B/HACH10360	N1	See Case Narrative.
	WG506774	Chemical Oxygen Demand	M410.4	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG507759	Fluoride	M300.0 - Ion Chromatography	DC	Sample required dilution. Non-target analyte exceeded calibration range.
			M300.0 - Ion Chromatography	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG506843	Mercury, total	M245.1 CVAA	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG507330	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG507260	Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG506937	Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG506335	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG506653	Silica, total recoverable	M200.7 ICP	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	RS	RPD of matrix spikes for total or total recoverable silica is outside acceptance limits. Acceptable precision for other metals indicates silica RPD failure may be attributed to digestion-triggered silica polymerization and precipitation.
			M200.7 ICP	ZS	Digestion procedures have the potential to trigger silica polymerization and precipitation, leading to low biased results. Silica chemistry is complex and polymerization kinetics are unpredictable. Dissolved and/or acid soluble silica analyses may provide more accurate measurements.

Energy Fuels Resources (USA) Inc.
Project ID: Canyon 2016
Sample ID: CANYON SUMP 2020 Q3

ACZ Sample ID: ***L61833-01***
Date Sampled: *09/29/20 13:35*
Date Received: *09/30/20*
Sample Matrix: *Groundwater*

Oil & Grease, Total Recoverable

Analysis Method: **1664A/B - Gravimetric**
Extract Method:

Workgroup: WG507016
Analyst: eep
Extract Date:
Analysis Date: 10/10/20 10:11

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Oil and Grease		<2	U	1.01	*	mg/L	2	10.1

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
LCL	Lower Control Limit
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #4) Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
UCL	Upper Control Limit
Sample	Value of the Sample of interest

QC Sample Types

SURR	Surrogate	*LFB*	Laboratory Fortified Blank
INTS	Internal Standard	*LFM*	Laboratory Fortified Matrix
AS	Analytical Spike (Post Digestion)	*LFMD*	Laboratory Fortified Matrix Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LRB*	Laboratory Reagent Blank
DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

O	Analyte concentration is estimated due to result exceeding calibration range.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
J	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/4-90/020. Methods for the Determination of Organic Compounds in Drinking Water (I), July 1990.
(3) EPA 600/R-92/129. Methods for the Determination of Organic Compounds in Drinking Water (II), July 1990.
(4) EPA SW-846. Test Methods for Evaluating Solid Waste.
(5) Standard Methods for the Examination of Water and Wastewater.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Excluding Oil & Grease, solid & biological matrices for organic analyses are reported on a wet weight basis.
(3) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(4) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Oil & Grease, Total Recoverable

1664A/B - Gravimetric

WG507016

MS **Sample ID: L61886-01MS** **PCN/SCN: OP200917-2** **Analyzed: 10/10/20 14:16**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40	180	184.8	mg/L	12.0	78	114			M2

LCSW **Sample ID: WG507016LCSW** **PCN/SCN: OP200917-2** **Analyzed: 10/10/20 14:47**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40		36.9	mg/L	92.0	78	114			

LCSWD **Sample ID: WG507016LCSWD** **PCN/SCN: OP200917-2** **Analyzed: 10/10/20 15:18**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40		33.4	mg/L	84.0	78	114	10	18	

PBW **Sample ID: WG507016PBW** **Analyzed: 10/10/20 15:49**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE			U	mg/L						

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Organic Extended Qualifier Report

ACZ Project ID: ***L61833***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L61833-01	WG507016	Oil and Grease	1664A/B - Gravimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			1664A/B - Gravimetric	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.

Energy Fuels Resources (USA) Inc.
Project ID: Canyon 2016
Sample ID: CANYON SUMP 2020 Q3
Locator:

ACZ Sample ID: ***L61833-01***
Date Sampled: *09/29/20 13:35*
Date Received: *09/30/20*
Sample Matrix: *Groundwater*

Combined Radium (total)
Calculation (RA226 + RA228)
Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium (total)	11/12/20 11:02		18			pCi/L		calc

Gross Alpha & Beta, total
M900.0
Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, total	10/26/20 0:36		130	13	9	pCi/L	*	tjr/fdw
Gross Beta, total	10/26/20 0:36		62	5.4	6.9	pCi/L	*	tjr/fdw

Gross Alpha, dissolved
M900.0
Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, dissolved	10/26/20 0:37		130	13	8.2	pCi/L	*	tjr/fdw

Lead 210, total
EICHROM, OTW01
Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, total	11/10/20 15:33		6.1	1.4	2.2	pCi/L	*	tjr

Radium 226, dissolved
M903.1
Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	10/20/20 0:24		12	0.55	0.14	pCi/L	*	djc

Radium 226, total
M903.1
Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, total	10/20/20 0:23		18	0.78	0.15	pCi/L	*	djc

Arizona license number: AZ0102

ACZ Laboratories, Inc.
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RadioChemistry Analytical Results

Energy Fuels Resources (USA) Inc.
Project ID: Canyon 2016
Sample ID: CANYON SUMP 2020 Q3
Locator:

ACZ Sample ID: ***L61833-01***
Date Sampled: *09/29/20 13:35*
Date Received: *09/30/20*
Sample Matrix: *Groundwater*

Radium 228, dissolved
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	10/26/20 15:32		-0.22	0.87	2	pCi/L	*	amk

Radium 228, total
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, total	10/26/20 15:31		0.66	0.82	2	pCi/L	*	amk

Thorium, Isotopic Total
ESM 4506

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228, total	10/21/20 13:27		0.146	0.41	0.74	pCi/L	*	djc
Thorium 230, total	10/21/20 13:27		0.483	0.52	0.84	pCi/L	*	djc
Thorium 232, total	10/21/20 13:27		0.0686	0.23	0.43	pCi/L	*	djc

Uranium, Isotopic Dissolved
Eichrom ACW03

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234, dissolved	10/08/20 20:13		88	13	3.8	pCi/L	*	amk
Uranium 235, dissolved	10/08/20 20:13		3.17	2.4	3.5	pCi/L	*	amk
Uranium 238, dissolved	10/08/20 20:13		37.6	7.3	4.8	pCi/L	*	amk

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1)	Solid matrices are reported on a dry weight basis.
(2)	Preparation method: "Method" indicates preparation defined in analytical method.
(3)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Alpha M900.0 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG507567																
WG507567PBW	PBW	10/26/20						.52	0.74	0.83			1.66			
WG507567LCSWA	LCSW	10/26/20	PCN60283	100				100	8.6	1.4	100	67	144			
L61657-02DUP	DUP-RPD	10/26/20			0.97	1.4	1.6	1	1.4	1.6				3	20	
L61657-03MSA	MS	10/26/20	PCN60283	66.67	4	2.1	1.6	79	8	1.4	113	67	144			
L61769-01DUP	DUP-RER	10/26/20			21	11	27	38	14	24				0.95	2	
L61769-01DUP	DUP-RPD	10/26/20			21	11	27	38	14	24				58	20	RG

Beta M900.0 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG507567																
WG507567PBW	PBW	10/26/20						1.5	1.8	1.8			3.6			
WG507567LCSWB	LCSW	10/26/20	RC200602-10	99.9				96	6.2	2.5	96	82	122			
L61657-02DUP	DUP-RPD	10/26/20			2.9	2.2	2.1	3.2	2	2				10	20	
L61657-06MSB	MS	10/26/20	RC200602-10	96.99	3.3	2.7	2.7	97	6.3	2.6	97	82	122			
L61769-01DUP	DUP-RER	10/26/20			26	9.8	17	19	11	29				0.48	2	
L61769-01DUP	DUP-RPD	10/26/20			26	9.8	17	19	11	29				31	20	RG

Lead 210, total EICHROM, OTW01 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG508110																
L61833-01MS	MS	11/10/20	PCN59630	192.43	6.1	1.4	2.2	170	6.6	5.1	85	55	121			
WG508110LCSW	LCSW	11/10/20	PCN59630	96.21				89	3.3	2.3	93	55	121			
L61833-01DUP	DUP-RER	11/10/20			6.1	1.4	2.2	4.8	1.8	3.3				0.57	2	
WG508110PBW	PBW	11/10/20						2	1.4	2.6			5.2			
L61833-01DUP	DUP-RPD	11/10/20			6.1	1.4	2.2	4.8	1.8	3.3				24	20	RG

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG507171																
WG507171PBW	PBW	10/20/20						.19	0.11	0.17			0.34			
WG507171LCSW	LCSW	10/20/20	PCN61539	20				12	0.5	0.13	60	43	148			
L61802-01DUP	DUP-RPD	10/20/20			0.04	0.1	0.1	.13	0.1	0.27				106	20	RG
L61802-01DUP	DUP-RER	10/20/20			0.04	0.1	0.1	.13	0.1	0.27				0.63	2	
L61825-01DUP	DUP-RPD	10/20/20			0.03	0.13	0.14	.02	0.1	0.25				40	20	RG
L61825-01DUP	DUP-RER	10/20/20			0.03	0.13	0.14	.02	0.1	0.25				0.06	2	
L61802-02MS	MS	10/20/20	PCN61539	20	0.08	0.1	0.1	15	0.5	0.08	75	43	148			

Radium 228, dissolved M904.0 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG507855																
L61809-03DUP	DUP-RER	10/26/20			0.92	0.78	1.9	-.3	0.74	1.8				1.13	2	
L61809-03DUP	DUP-RPD	10/26/20			0.92	0.78	1.9	-.3	0.74	1.8				394	20	RG
WG507855PBW	PBW	10/26/20						.5	0.68	1.7			3.4			
WG507855LCSW	LCSW	10/26/20	PCN61541	9.56				9.8	1.1	1.8	103	47	123			
L61922-02MS	MS	10/26/20	PCN61541	9.56	1.7	1.1	2.4	9.6	1.2	2.1	83	47	123			
L61922-03DUP	DUP-RPD	10/26/20			9.3	1.3	2.3	8.4	1.4	2.4				10	20	

Th-228 ESM 4506 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG507544																
L61833-01DUP	DUP-RPD	10/21/20			0.146	0.41	0.74	.149	1.4	2.6				2	20	
WG507544PBW	PBW	10/21/20						-.11	0.31	0.62			1.24			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Th-229 ESM 4506 **Units:** %

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG507544																
WG507544LCSW	LCSW	10/21/20	PCN58726					87	130	30						
L61833-01DUP	DUP-RER	10/21/20			56	130	30	33	130	30					20	
L61833-01DUP	DUP-RPD	10/21/20			56	130	30							52	20	
L61833-01DUP	DUP-RPD	10/21/20			56	130	30	33	130	30					20	
WG507544PBW	PBW	10/21/20						63	130	30			60			
L61833-01MS	MS	10/21/20	PCN58726		56	130	30	84	130	30						

Th-230 ESM 4506 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG507544																
WG507544LCSW	LCSW	10/21/20	PCN58726	200				193	26	0.42	97	91	126			
L61833-01DUP	DUP-RPD	10/21/20			0.483	0.52	0.84	-.154	1.5	2.9				387	20	RG
L61833-01DUP	DUP-RER	10/21/20			0.483	0.52	0.84	-.154	1.5	2.9				0.4	2	
L61833-01MS	MS	10/21/20	PCN58726	400	0.483	0.52	0.84	378	50	0.67	94	91	126			
WG507544PBW	PBW	10/21/20						.132	0.24	0.42			0.84			

Th-232 ESM 4506 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG507544																
L61833-01DUP	DUP-RER	10/21/20			0.0686	0.23	0.43	-.158	0.9	1.9				0.24	2	
L61833-01DUP	DUP-RPD	10/21/20			0.0686	0.23	0.43	-.158	0.9	1.9				507	20	RG
WG507544PBW	PBW	10/21/20						0	0.15	0.07			0.142			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

U-232 Eichrom ACW03 **Units:** %

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG506637																
WG506637PBW	PBW	10/08/20						76	130	30			60			
WG506637LCSW	LCSW	10/08/20	RC200107-11					49	130	30						
L61556-02MS	MS	10/08/20	RC200107-11		70	130	30	39	130	30						
L61556-01DUP	DUP-RER	10/08/20			67	130	30	50	130	30					20	
L61556-01DUP	DUP-RPD	10/08/20			67	130	30	50	130	30					20	
L61556-01DUP	DUP-RPD	10/08/20			67	130	30							29	20	

U-234 Eichrom ACW03 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG506637																
WG506637PBW	PBW	10/08/20						.351	0.78	1.4			2.8			
WG506637LCSW	LCSW	10/08/20	RC200107-11	98				93.3	14	3	95	77	122			
L61556-02MS	MS	10/08/20	RC200107-11	98	1.53	1.3	1.9	97.6	15	3.1	98	77	122			
L61556-01DUP	DUP-RPD	10/08/20			2.35	1.6	2.2	2.96	1.5	1.3				23	20	RG
L61556-01DUP	DUP-RER	10/08/20			2.35	1.6	2.2	2.96	1.5	1.3				0.28	2	

U-235 Eichrom ACW03 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG506637																
WG506637PBW	PBW	10/08/20						-.269	0.84	1.9			3.8			
WG506637LCSW	LCSW	10/08/20	RC200107-11	4.48				4.37	2.1	1.7	98	42	136			
L61556-02MS	MS	10/08/20	RC200107-11	4.48	0.813	0.98	1.6	6.29	3	2.9	122	42	136			
L61556-01DUP	DUP-RPD	10/08/20			0.534	1.2	2.1	.665	0.86	0.58				22	20	RG
L61556-01DUP	DUP-RER	10/08/20			0.534	1.2	2.1	.665	0.86	0.58				0.09	2	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L61833***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

U-238 Eichrom ACW03 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG506637																
WG506637PBW	PBW	10/08/20						.682	0.79	1.3			2.6			
WG506637LCSW	LCSW	10/08/20	RC200107-11	97.5				104	15	1.8	107	87	124			
L61556-02MS	MS	10/08/20	RC200107-11	97.5	1.11	1.2	1.8	99.7	15	1.9	101	87	124			
L61556-01DUP	DUP-RER	10/08/20			2.76	1.5	1.9	1.72	1.2	1.3				0.54	2	
L61556-01DUP	DUP-RPD	10/08/20			2.76	1.5	1.9	1.72	1.2	1.3				46	20	RG

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L61833***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L61833-01	WG507567	Gross Alpha	M900.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Gross Alpha, dissolved	M900.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Gross Beta	M900.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG508110	Lead 210, total	EICHROM, OTW01	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG507171	Radium 226, dissolved	M903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Radium 226, total	M903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG507855	Radium 228, dissolved	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Radium 228, total	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG507544	Thorium 230, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Thorium 232, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG506637	Uranium 234, dissolved	Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Uranium 235, dissolved	Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Uranium 238, dissolved	Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.

Radiochemistry

The following parameters are not offered for certification or are not covered by AZ certificate #AZ0102.	
Lead 210, total	EICHROM, OTW01
Thorium 228, total	ESM 4506
Thorium 230, total	ESM 4506
Thorium 232, total	ESM 4506
Uranium 234, dissolved	Eichrom ACW03
Uranium 235, dissolved	Eichrom ACW03
Uranium 238, dissolved	Eichrom ACW03

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.	
Lead 210, total	EICHROM, OTW01
Thorium 228, total	ESM 4506
Thorium 230, total	ESM 4506
Thorium 232, total	ESM 4506
Uranium 234, dissolved	Eichrom ACW03
Uranium 235, dissolved	Eichrom ACW03
Uranium 238, dissolved	Eichrom ACW03

Wet Chemistry

The following parameters are not offered for certification or are not covered by AZ certificate #AZ0102.	
Sulfide as S	SM4500S2-D

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Energy Fuels Resources (USA) Inc.
Canyon 2016

ACZ Project ID: L61833
Date Received: 09/30/2020 11:58
Received By:
Date Printed: 10/1/2020

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?	X		

A change was made in the Quote # section prior to ACZ custody.

A change was made in the Quote # section prior to ACZ custody.

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
4503	0.5	<=6.0	15	Yes
6682	0.1	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Energy Fuels Resources (USA) Inc.
Canyon 2016

ACZ Project ID: L61833
Date Received: 09/30/2020 11:58
Received By:
Date Printed: 10/1/2020

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

November 20, 2020

Report to:
Kathy Weinel
Energy Fuels Resources (USA) Inc.
225 Union Blvd. ,Suite 600
Lakewood, CO 80228

Bill to:
Accounts Payable
Energy Fuels Resources (USA) Inc.
225 Union Blvd. ,Suite 600
Lakewood, CO 80228

Project ID:
ACZ Project ID: L62414

Kathy Weinel:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 23, 2020. This project has been assigned to ACZ's project number, L62414. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L62414. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after December 20, 2020. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Max Janicek has reviewed and approved this report.

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020 Q4

ACZ Sample ID: ***L62414-03***
Date Sampled: *10/21/20 08:25*
Date Received: *10/23/20*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Nitrogen, total Kjeldahl	M351.2 - Block Digestor								11/05/20 11:19	wtc
Total Recoverable Digestion	M200.2 ICP-MS								11/04/20 14:50	mfm
Total Recoverable Digestion	M200.2 ICP								11/04/20 11:15	kja

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020 Q4

ACZ Sample ID: ***L62414-03***
Date Sampled: *10/21/20 08:25*
Date Received: *10/23/20*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, total recoverable	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	11/06/20 17:51	kja
Antimony, total recoverable	M200.8 ICP-MS	1	0.00475			mg/L	0.0004	0.002	11/05/20 17:02	mfm
Arsenic, total recoverable	M200.8 ICP-MS	1	0.180			mg/L	0.0002	0.001	11/05/20 17:02	mfm
Barium, total recoverable	M200.7 ICP	1	0.0339	B		mg/L	0.007	0.035	11/06/20 17:51	kja
Beryllium, total recoverable	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	11/05/20 17:02	mfm
Boron, total recoverable	M200.7 ICP	1	0.055	B		mg/L	0.02	0.1	11/09/20 13:20	kja
Cadmium, total recoverable	M200.8 ICP-MS	1	0.000512			mg/L	0.00005	0.00025	11/05/20 17:02	mfm
Calcium, total recoverable	M200.7 ICP	1	89.1			mg/L	0.1	0.5	11/06/20 17:51	kja
Chromium, total recoverable	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	11/06/20 17:51	kja
Cobalt, total recoverable	M200.8 ICP-MS	1	0.113			mg/L	0.00005	0.00025	11/05/20 17:02	mfm
Copper, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	11/06/20 19:41	kja
Copper, total recoverable	M200.7 ICP	1	0.013	B		mg/L	0.01	0.05	11/06/20 17:51	kja
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	11/06/20 19:41	kja
Iron, total recoverable	M200.7 ICP	1	0.430			mg/L	0.06	0.15	11/06/20 17:51	kja
Lead, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	11/04/20 13:24	enb
Lead, total recoverable	M200.8 ICP-MS	1	0.00146			mg/L	0.0001	0.0005	11/05/20 17:02	mfm
Magnesium, total recoverable	M200.7 ICP	1	52.6			mg/L	0.2	1	11/06/20 17:51	kja
Manganese, total recoverable	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	11/06/20 17:51	kja
Mercury, total	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	11/05/20 12:26	llr
Molybdenum, total recoverable	M200.8 ICP-MS	1	0.0449			mg/L	0.0002	0.0005	11/05/20 17:02	mfm
Nickel, total recoverable	M200.7 ICP	1	0.320			mg/L	0.008	0.04	11/06/20 17:51	kja
Potassium, total recoverable	M200.7 ICP	1	4.34			mg/L	0.2	1	11/06/20 17:51	kja
Selenium, total recoverable	M200.8 ICP-MS	1	0.00063			mg/L	0.0001	0.00025	11/05/20 17:02	mfm
Silica, total recoverable	M200.7 ICP	1	11.0		*	mg/L	0.2	1	11/06/20 17:51	kja
Silver, dissolved	M200.8 ICP-MS	1	<0.0001	U	*	mg/L	0.0001	0.0005	11/05/20 12:29	mfm
Silver, total recoverable	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	11/05/20 17:02	mfm
Sodium, total recoverable	M200.7 ICP	1	14.9			mg/L	0.2	1	11/06/20 17:51	kja
Thallium, total recoverable	M200.8 ICP-MS	1	0.00141			mg/L	0.0001	0.0005	11/05/20 17:02	mfm
Tin, total recoverable	M200.7 ICP	1	<0.04	U		mg/L	0.04	0.2	11/06/20 17:51	kja
Uranium, dissolved	M200.8 ICP-MS	1	0.115			mg/L	0.0001	0.0005	11/04/20 13:24	enb

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020 Q4

ACZ Sample ID: ***L62414-03***
Date Sampled: *10/21/20 08:25*
Date Received: *10/23/20*
Sample Matrix: *Groundwater*

Uranium, total recoverable	M200.8 ICP-MS	1	0.123			mg/L	0.0001	0.0005	11/05/20 17:02	mfm
Vanadium, total recoverable	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	11/09/20 13:20	kja
Zinc, dissolved	M200.7 ICP	1	0.349			mg/L	0.02	0.05	11/06/20 19:41	kja
Zinc, total recoverable	M200.7 ICP	1	0.433			mg/L	0.02	0.05	11/06/20 17:51	kja

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	209			mg/L	2	20	10/24/20 0:00	eep
Carbonate as CaCO3		1	2.6	B		mg/L	2	20	10/24/20 0:00	eep
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	10/24/20 0:00	eep
Total Alkalinity		1	211			mg/L	2	20	10/24/20 0:00	eep
Biochemical Oxygen Demand (5 day)	SM5210B/HACH10360	1	<2	UH	*	mg/L	2	2	10/24/20 11:18	mlh
Chemical Oxygen Demand	M410.4	1	<10	U	*	mg/L	10	20	10/30/20 13:25	jck
Chloride	M300.0 - Ion Chromatography	5	26.8		*	mg/L	2	10	11/04/20 16:34	krh
Conductivity @25C	SM2510B	1	687			umhos/cm	1	10	10/30/20 20:30	emk
Fluoride	M300.0 - Ion Chromatography	5	<0.25	U	*	mg/L	0.25	1.25	11/04/20 16:34	krh
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.213		*	mg/L	0.02	0.1	11/10/20 22:24	pjb
Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	1	<0.05	U	*	mg/L	0.05	0.2	11/10/20 10:55	mss2
Nitrogen, organic	M351.2 & M350.1 - TKN minus NH3		<0.2	U		mg/L	0.2	0.5	11/20/20 0:00	calc
Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	1	<0.2	U	*	mg/L	0.2	0.5	11/07/20 19:49	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	562			mg/L	20	40	10/27/20 16:23	che
Residue, Non-Filterable (TSS) @105C	SM2540D	1	<5	U	*	mg/L	5	20	10/27/20 17:46	eep
Sulfate	M300.0 - Ion Chromatography	5	224		*	mg/L	2	10	11/04/20 16:34	krh
Sulfide as S	SM4500S2-D	1	<0.02	U	*	mg/L	0.02	0.1	10/27/20 10:05	mlh

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020 Q4 DUP

ACZ Sample ID: ***L62414-04***
Date Sampled: *10/21/20 08:25*
Date Received: *10/23/20*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Nitrogen, total Kjeldahl	M351.2 - Block Digestor								11/05/20 11:38	wtc
Total Recoverable Digestion	M200.2 ICP-MS								11/04/20 14:50	mfm
Total Recoverable Digestion	M200.2 ICP								11/04/20 11:29	kja

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020 Q4 DUP

ACZ Sample ID: ***L62414-04***
Date Sampled: *10/21/20 08:25*
Date Received: *10/23/20*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, total recoverable	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	11/06/20 17:54	kja
Antimony, total recoverable	M200.8 ICP-MS	1	0.00465			mg/L	0.0004	0.002	11/05/20 17:08	mfm
Arsenic, total recoverable	M200.8 ICP-MS	1	0.176			mg/L	0.0002	0.001	11/05/20 17:08	mfm
Barium, total recoverable	M200.7 ICP	1	0.0321	B		mg/L	0.007	0.035	11/06/20 17:54	kja
Beryllium, total recoverable	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	11/05/20 17:08	mfm
Boron, total recoverable	M200.7 ICP	1	0.054	B		mg/L	0.02	0.1	11/09/20 13:23	kja
Cadmium, total recoverable	M200.8 ICP-MS	1	0.000543			mg/L	0.00005	0.00025	11/05/20 17:08	mfm
Calcium, total recoverable	M200.7 ICP	1	83.6			mg/L	0.1	0.5	11/06/20 17:54	kja
Chromium, total recoverable	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	11/06/20 17:54	kja
Cobalt, total recoverable	M200.8 ICP-MS	1	0.111			mg/L	0.00005	0.00025	11/05/20 17:08	mfm
Copper, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	11/06/20 19:50	kja
Copper, total recoverable	M200.7 ICP	1	0.017	B		mg/L	0.01	0.05	11/06/20 17:54	kja
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	11/06/20 19:50	kja
Iron, total recoverable	M200.7 ICP	1	0.402			mg/L	0.06	0.15	11/06/20 17:54	kja
Lead, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	11/04/20 13:27	enb
Lead, total recoverable	M200.8 ICP-MS	1	0.00146			mg/L	0.0001	0.0005	11/05/20 17:08	mfm
Magnesium, total recoverable	M200.7 ICP	1	49.4			mg/L	0.2	1	11/06/20 17:54	kja
Manganese, total recoverable	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	11/06/20 17:54	kja
Mercury, total	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	11/05/20 12:29	llr
Molybdenum, total recoverable	M200.8 ICP-MS	1	0.0435			mg/L	0.0002	0.0005	11/05/20 17:08	mfm
Nickel, total recoverable	M200.7 ICP	1	0.301			mg/L	0.008	0.04	11/06/20 17:54	kja
Potassium, total recoverable	M200.7 ICP	1	4.11			mg/L	0.2	1	11/06/20 17:54	kja
Selenium, total recoverable	M200.8 ICP-MS	1	0.00065			mg/L	0.0001	0.00025	11/05/20 17:08	mfm
Silica, total recoverable	M200.7 ICP	1	10.3		*	mg/L	0.2	1	11/06/20 17:54	kja
Silver, dissolved	M200.8 ICP-MS	1	<0.0001	U	*	mg/L	0.0001	0.0005	11/05/20 12:31	mfm
Silver, total recoverable	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	11/05/20 17:08	mfm
Sodium, total recoverable	M200.7 ICP	1	14.0			mg/L	0.2	1	11/06/20 17:54	kja
Thallium, total recoverable	M200.8 ICP-MS	1	0.00143			mg/L	0.0001	0.0005	11/05/20 17:08	mfm
Tin, total recoverable	M200.7 ICP	1	<0.04	U		mg/L	0.04	0.2	11/06/20 17:54	kja
Uranium, dissolved	M200.8 ICP-MS	1	0.119			mg/L	0.0001	0.0005	11/04/20 13:27	enb

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020 Q4 DUP

ACZ Sample ID: ***L62414-04***
Date Sampled: *10/21/20 08:25*
Date Received: *10/23/20*
Sample Matrix: *Groundwater*

Uranium, total recoverable	M200.8 ICP-MS	1	0.123			mg/L	0.0001	0.0005	11/05/20 17:08	mfm
Vanadium, total recoverable	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	11/09/20 13:23	kja
Zinc, dissolved	M200.7 ICP	1	0.356			mg/L	0.02	0.05	11/06/20 19:50	kja
Zinc, total recoverable	M200.7 ICP	1	0.413			mg/L	0.02	0.05	11/06/20 17:54	kja

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	204			mg/L	2	20	10/25/20 0:00	eep
Carbonate as CaCO3		1	7.2	B		mg/L	2	20	10/25/20 0:00	eep
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	10/25/20 0:00	eep
Total Alkalinity		1	212			mg/L	2	20	10/25/20 0:00	eep
Biochemical Oxygen Demand (5 day)	SM5210B/HACH10360	1	<2	UH	*	mg/L	2	2	10/24/20 11:35	mlh
Chemical Oxygen Demand	M410.4	1	<10	U	*	mg/L	10	20	10/30/20 13:42	jck
Chloride	M300.0 - Ion Chromatography	5	26.6		*	mg/L	2	10	11/04/20 16:52	krh
Conductivity @25C	SM2510B	1	684			umhos/cm	1	10	10/30/20 20:32	emk
Fluoride	M300.0 - Ion Chromatography	5	<0.25	U	*	mg/L	0.25	1.25	11/04/20 16:52	krh
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.208		*	mg/L	0.02	0.1	11/10/20 22:26	pjb
Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	1	<0.05	U	*	mg/L	0.05	0.2	11/10/20 10:57	mss2
Nitrogen, organic	M351.2 & M350.1 - TKN minus NH3		<0.2	U		mg/L	0.2	0.5	11/20/20 0:00	calc
Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	1	<0.2	U	*	mg/L	0.2	0.5	11/07/20 19:51	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	556			mg/L	20	40	10/27/20 16:24	che
Residue, Non-Filterable (TSS) @105C	SM2540D	1	5.0	B	*	mg/L	5	20	10/27/20 17:47	eep
Sulfate	M300.0 - Ion Chromatography	5	224		*	mg/L	2	10	11/04/20 16:52	krh
Sulfide as S	SM4500S2-D	1	<0.02	U	*	mg/L	0.02	0.1	10/27/20 10:10	mlh

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508087													
WG508087PBW1	PBW	10/24/20 12:41				20.6	mg/L		-20	20			B4 BF
WG508087LCSW2	LCSW	10/24/20 12:58	WC201024-2	820.0001		766.2	mg/L	93	90	110			
WG508087LCSW4	LCSW	10/24/20 16:07	WC201024-2	820.0001		790.2	mg/L	96	90	110			
WG508087PBW2	PBW	10/24/20 16:17				2.9	mg/L		-20	20			
WG508087LCSW6	LCSW	10/24/20 20:01	WC201010-1	820.0001		781.8	mg/L	95	90	110			
WG508087PBW3	PBW	10/24/20 20:09				3	mg/L		-20	20			
WG508087LCSW8	LCSW	10/24/20 23:17	WC201010-1	820.0001		798.3	mg/L	97	90	110			
WG508087PBW4	PBW	10/24/20 23:27				3.2	mg/L		-20	20			
L62428-03DUP	DUP	10/25/20 1:02			122	123.1	mg/L				1	20	
WG508087LCSW10	LCSW	10/25/20 2:45	WC201010-1	820.0001		803.6	mg/L	98	90	110			

Aluminum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	2		2.013	mg/L	101	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.15	0.15			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	1.0012		1.057	mg/L	106	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	1.0012	U	1.072	mg/L	107	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	1.0012	U	1.066	mg/L	106	85	115	1	20	

Aluminum, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	2		1.979	mg/L	99	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.15	0.15			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.11	0.11			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	1.0012		1.001	mg/L	100	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	1.0012	U	1.078	mg/L	108	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	1.0012	U	1.167	mg/L	117	70	130	8	20	

Antimony, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508931													
WG508931ICV	ICV	11/04/20 13:08	MS201021-2	.02004		.02068	mg/L	103	90	110			
WG508931ICB	ICB	11/04/20 13:11				U	mg/L		-0.00088	0.00088			
WG508931LFB	LFB	11/04/20 13:14	MS201020-4	.01		.01	mg/L	100	85	115			
L62414-04AS	AS	11/04/20 13:30	MS201020-4	.01	.00488	.01379	mg/L	89	70	130			
L62414-04ASD	ASD	11/04/20 13:33	MS201020-4	.01	.00488	.01416	mg/L	93	70	130	3	20	

Antimony, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509061													
WG509061ICV	ICV	11/05/20 16:52	MS201021-2	.02004		.02062	mg/L	103	90	110			
WG509061ICB	ICB	11/05/20 16:54				.00047	mg/L		-0.0012	0.0012			
WG508951LRB	LRB	11/05/20 16:55				U	mg/L		-0.00088	0.00088			
WG508951LFB	LFB	11/05/20 16:57	MS201020-4	.01		.01076	mg/L	108	85	115			
L62414-03LFM	LFM	11/05/20 17:04	MS201020-4	.01	.00475	.01573	mg/L	110	70	130			
L62414-03LFMD	LFMD	11/05/20 17:06	MS201020-4	.01	.00475	.01509	mg/L	103	70	130	4	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508931													
WG508931ICV	ICV	11/04/20 13:08	MS201021-2	.05		.04851	mg/L	97	90	110			
WG508931ICB	ICB	11/04/20 13:11				U	mg/L		-0.00044	0.00044			
WG508931LFB	LFB	11/04/20 13:14	MS201020-4	.05005		.04853	mg/L	97	85	115			
L62414-04AS	AS	11/04/20 13:30	MS201020-4	.05005	.132	.1782	mg/L	92	70	130			
L62414-04ASD	ASD	11/04/20 13:33	MS201020-4	.05005	.132	.1727	mg/L	81	70	130	3	20	

Arsenic, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509061													
WG509061ICV	ICV	11/05/20 16:52	MS201021-2	.05		.05184	mg/L	104	90	110			
WG509061ICB	ICB	11/05/20 16:54				U	mg/L		-0.0006	0.0006			
WG508951LRB	LRB	11/05/20 16:55				U	mg/L		-0.00044	0.00044			
WG508951LFB	LFB	11/05/20 16:57	MS201020-4	.05005		.05015	mg/L	100	85	115			
L62414-03LFM	LFM	11/05/20 17:04	MS201020-4	.05005	.18	.22495	mg/L	90	70	130			
L62414-03LFMD	LFMD	11/05/20 17:06	MS201020-4	.05005	.18	.21508	mg/L	70	70	130	4	20	

Barium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	2		2.0202	mg/L	101	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.021	0.021			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	.5005		.5171	mg/L	103	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	.5005	.032	.5481	mg/L	103	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	.5005	.032	.5467	mg/L	103	85	115	0	20	

Barium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	2		2.0022	mg/L	100	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.021	0.021			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.0154	0.0154			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	.5005		.4894	mg/L	98	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	.5005	.0321	.5317	mg/L	100	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	.5005	.0321	.5518	mg/L	104	70	130	4	20	

Beryllium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508931													
WG508931ICV	ICV	11/04/20 13:08	MS201021-2	.05		.04776	mg/L	96	90	110			
WG508931ICB	ICB	11/04/20 13:11				U	mg/L		-0.000176	0.000176			
WG508931LFB	LFB	11/04/20 13:14	MS201020-4	.05005		.04894	mg/L	98	85	115			
L62414-04AS	AS	11/04/20 13:30	MS201020-4	.05005	U	.05095	mg/L	102	70	130			
L62414-04ASD	ASD	11/04/20 13:33	MS201020-4	.05005	U	.05286	mg/L	106	70	130	4	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Beryllium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509061													
WG509061ICV	ICV	11/05/20 16:52	MS201021-2	.05		.048197	mg/L	96	90	110			
WG509061ICB	ICB	11/05/20 16:54				U	mg/L		-0.00024	0.00024			
WG508951LRB	LRB	11/05/20 16:55				U	mg/L		-0.000176	0.000176			
WG508951LFB	LFB	11/05/20 16:57	MS201020-4	.05005		.048658	mg/L	97	85	115			
L62414-03LFM	LFM	11/05/20 17:04	MS201020-4	.05005	U	.046181	mg/L	92	70	130			
L62414-03LFMD	LFMD	11/05/20 17:06	MS201020-4	.05005	U	.044088	mg/L	88	70	130	5	20	

Biochemical Oxygen Demand (5 day) SM5210B/HACH10360

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508084													
WG508084LCSW1	LCSW	10/24/20 11:39	BODLCSW-2	198		184.7	mg/L	93	84.6	115.4			
WG508084LCSW2	LCSW	10/24/20 11:42	BODLCSW-2	198		186.2	mg/L	94	84.6	115.4			
WG508084LCSW3	LCSW	10/24/20 11:45	BODLCSW-2	198		187.2	mg/L	95	84.6	115.4			

Boron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	2		2.032	mg/L	102	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.06	0.06			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	.5005		.529	mg/L	106	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	.5005	.044	.573	mg/L	106	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	.5005	.044	.584	mg/L	108	85	115	2	20	

Boron, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509235													
WG509235ICV	ICV	11/09/20 12:47	II201022-1	2		1.979	mg/L	99	95	105			
WG509235ICB	ICB	11/09/20 12:53				U	mg/L		-0.06	0.06			
WG508869LRB	LRB	11/09/20 13:08				U	mg/L		-0.044	0.044			
WG508869LFB	LFB	11/09/20 13:11	II201027-3	.5005		.492	mg/L	98	85	115			
L62414-04LFM	LFM	11/09/20 13:26	II201027-3	.5005	.054	.558	mg/L	101	70	130			
L62414-04LFMD	LFMD	11/09/20 13:29	II201027-3	.5005	.054	.548	mg/L	99	70	130	2	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508931													
WG508931ICV	ICV	11/04/20 13:08	MS201021-2	.05		.05002	mg/L	100	90	110			
WG508931ICB	ICB	11/04/20 13:11				U	mg/L		-0.00011	0.00011			
WG508931LFB	LFB	11/04/20 13:14	MS201020-4	.05005		.04885	mg/L	98	85	115			
L62414-04AS	AS	11/04/20 13:30	MS201020-4	.05005	.000396	.04939	mg/L	98	70	130			
L62414-04ASD	ASD	11/04/20 13:33	MS201020-4	.05005	.000396	.0508	mg/L	101	70	130	3	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Cadmium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509061													
WG509061ICV	ICV	11/05/20 16:52	MS201021-2	.05		.050402	mg/L	101	90	110			
WG509061ICB	ICB	11/05/20 16:54				U	mg/L		-0.00015	0.00015			
WG508951LRB	LRB	11/05/20 16:55				U	mg/L		-0.00011	0.00011			
WG508951LFB	LFB	11/05/20 16:57	MS201020-4	.05005		.048382	mg/L	97	85	115			
L62414-03LFM	LFM	11/05/20 17:04	MS201020-4	.05005	.000512	.048333	mg/L	96	70	130			
L62414-03LFMD	LFMD	11/05/20 17:06	MS201020-4	.05005	.000512	.046229	mg/L	91	70	130	4	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	100		98.47	mg/L	98	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.3	0.3			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	67.99353		70	mg/L	103	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	67.99353	86.9	151.6	mg/L	95	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	67.99353	86.9	151.4	mg/L	95	85	115	0	20	

Calcium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	100		94.88	mg/L	95	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.3	0.3			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.22	0.22			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	67.99353		66.24	mg/L	97	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	67.99353	83.6	149.8	mg/L	97	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	67.99353	83.6	158.8	mg/L	111	70	130	6	20	

Chemical Oxygen Demand M410.4

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508547													
WG508547ICV	ICV	10/30/20 11:22	WC201026-6	200		202	mg/L	101	90	110			
WG508547ICB	ICB	10/30/20 11:39				U	mg/L		-10	10			
WG508547LRB	LRB	10/30/20 11:57				U	mg/L		-10	10			
WG508547LFB	LFB	10/30/20 12:14	WC201026-5	50		51	mg/L	102	90	110			
L62434-03DUP	DUP	10/30/20 16:03			U	U	mg/L				0	20	RA
L62434-03AS	AS	10/30/20 16:21	WC201026-5	50	U	56	mg/L	112	90	110			M1

Chloride M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507235													
WG507235ICV	ICV	10/13/20 20:40	WI201009-2	20.02		19.94	mg/L	100	90	110			
WG507235ICB	ICB	10/13/20 20:57				U	mg/L		-0.4	0.4			
WG508872													
WG508872LFB1	LFB	11/04/20 15:04	WI201018-4	30		30.48	mg/L	102	90	110			
L62414-02AS	AS	11/04/20 16:16	WI201018-4	150	18.3	172.95	mg/L	103	90	110			
WG508872LFB2	LFB	11/04/20 23:44	WI201018-4	30		30.44	mg/L	101	90	110			
L62414-01DUP	DUP	11/05/20 22:29			11.2	11.17	mg/L				0	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Chromium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	2		1.976	mg/L	99	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.03	0.03			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	.5015		.519	mg/L	103	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	.5015	U	.509	mg/L	101	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	.5015	U	.507	mg/L	101	85	115	0	20	

Chromium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	2		1.953	mg/L	98	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.03	0.03			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.022	0.022			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	.5015		.485	mg/L	97	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	.5015	U	.486	mg/L	97	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	.5015	U	.508	mg/L	101	70	130	4	20	

Cobalt, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509061													
WG509061ICV	ICV	11/05/20 16:52	MS201021-2	.05		.053014	mg/L	106	90	110			
WG509061ICB	ICB	11/05/20 16:54				U	mg/L		-0.00015	0.00015			
WG508951LRB	LRB	11/05/20 16:55				U	mg/L		-0.00011	0.00011			
WG508951LFB	LFB	11/05/20 16:57	MS201020-4	.05005		.049512	mg/L	99	85	115			
L62414-03LFM	LFM	11/05/20 17:04	MS201020-4	.05005	.113	.160513	mg/L	95	70	130			
L62414-03LFMD	LFMD	11/05/20 17:06	MS201020-4	.05005	.113	.153886	mg/L	82	70	130	4	20	

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508584													
WG508584LCSW2	LCSW	10/30/20 15:19	PCN61793	1409		1401	umhos/cm	99	90	110			
WG508584LCSW5	LCSW	10/30/20 18:29	PCN61793	1409		1406	umhos/cm	100	90	110			
L62419-04DUP	DUP	10/30/20 21:21			11300	11450	umhos/cm				1	20	
WG508584LCSW8	LCSW	10/30/20 21:28	PCN61793	1409		1422	umhos/cm	101	90	110			
WG508584LCSW11	LCSW	10/30/20 23:58	PCN61793	1409		1405	umhos/cm	100	90	110			
WG508584LCSW14	LCSW	10/31/20 3:16	PCN61793	1409		1362	umhos/cm	97	90	110			

Copper, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	2		1.952	mg/L	98	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.03	0.03			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	.501		.518	mg/L	103	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	.501	U	.519	mg/L	104	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	.501	U	.514	mg/L	103	85	115	1	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Copper, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	2		1.945	mg/L	97	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.03	0.03			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.022	0.022			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	.501		.485	mg/L	97	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	.501	.017	.512	mg/L	99	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	.501	.017	.534	mg/L	103	70	130	4	20	

Fluoride M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507235													
WG507235ICV	ICV	10/13/20 20:40	WI201009-2	4		3.942	mg/L	99	90	110			
WG507235ICB	ICB	10/13/20 20:57				U	mg/L		-0.05	0.05			
WG508872													
WG508872LFB1	LFB	11/04/20 15:04	WI201018-4	1.5		1.595	mg/L	106	90	110			
L62414-02AS	AS	11/04/20 16:16	WI201018-4	7.5	U	8.29	mg/L	111	90	110			M1
WG508872LFB2	LFB	11/04/20 23:44	WI201018-4	1.5		1.586	mg/L	106	90	110			
L62414-01DUP	DUP	11/05/20 22:29			.272	.273	mg/L				0	20	RA

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	2		1.973	mg/L	99	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.18	0.18			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	1.0018		1.061	mg/L	106	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	1.0018	U	1.034	mg/L	103	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	1.0018	U	1.032	mg/L	103	85	115	0	20	

Iron, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	2		1.941	mg/L	97	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.18	0.18			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.132	0.132			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	1.0018		.992	mg/L	99	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	1.0018	.402	1.414	mg/L	101	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	1.0018	.402	1.479	mg/L	108	70	130	4	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508931													
WG508931ICV	ICV	11/04/20 13:08	MS201021-2	.05		.04902	mg/L	98	90	110			
WG508931ICB	ICB	11/04/20 13:11				U	mg/L		-0.00022	0.00022			
WG508931LFB	LFB	11/04/20 13:14	MS201020-4	.05005		.04704	mg/L	94	85	115			
L62414-04AS	AS	11/04/20 13:30	MS201020-4	.05005	U	.048	mg/L	96	70	130			
L62414-04ASD	ASD	11/04/20 13:33	MS201020-4	.05005	U	.04954	mg/L	99	70	130	3	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Lead, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509061													
WG509061ICV	ICV	11/05/20 16:52	MS201021-2	.05		.05064	mg/L	101	90	110			
WG509061ICB	ICB	11/05/20 16:54				U	mg/L		-0.0003	0.0003			
WG508951LRB	LRB	11/05/20 16:55				U	mg/L		-0.00022	0.00022			
WG508951LFB	LFB	11/05/20 16:57	MS201020-4	.05005		.04877	mg/L	97	85	115			
L62414-03LFM	LFM	11/05/20 17:04	MS201020-4	.05005	.00146	.05122	mg/L	99	70	130			
L62414-03LFMD	LFMD	11/05/20 17:06	MS201020-4	.05005	.00146	.04911	mg/L	95	70	130	4	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	100		99.9	mg/L	100	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.6	0.6			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	49.99922		51.22	mg/L	102	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	49.99922	52	99.87	mg/L	96	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	49.99922	52	99.82	mg/L	96	85	115	0	20	

Magnesium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	100		96.5	mg/L	97	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.6	0.6			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.44	0.44			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	49.99922		48.66	mg/L	97	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	49.99922	49.4	97.54	mg/L	96	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	49.99922	49.4	103.7	mg/L	109	70	130	6	20	

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	2		1.965	mg/L	98	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.03	0.03			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	.5005		.526	mg/L	105	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	.5005	.011	.528	mg/L	103	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	.5005	.011	.526	mg/L	103	85	115	0	20	

Manganese, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	2		1.948	mg/L	97	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.03	0.03			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.022	0.022			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	.5005		.486	mg/L	97	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	.5005	U	.504	mg/L	101	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	.5005	U	.523	mg/L	104	70	130	4	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508883													
WG508883ICV1	ICV	11/05/20 11:06	HG200810-2	.005		.00485	mg/L	97	95	105			
WG508883ICB	ICB	11/05/20 11:07				U	mg/L		-0.0002	0.0002			
WG508884													
WG508884LRB	LRB	11/05/20 11:43				U	mg/L		-0.00044	0.00044			
WG508884LFB	LFB	11/05/20 11:44	HG201027-4	.002002		.00189	mg/L	94	85	115			
L62414-01LFM	LFM	11/05/20 11:46	HG201027-4	.002002	U	.00193	mg/L	96	85	115			
L62414-01LFMD	LFMD	11/05/20 11:47	HG201027-4	.002002	U	.00185	mg/L	92	85	115	4	20	

Mercury, total M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508883													
WG508883ICV1	ICV	11/05/20 11:06	HG200810-2	.005		.00485	mg/L	97	95	105			
WG508883ICB	ICB	11/05/20 11:07				U	mg/L		-0.0002	0.0002			
WG508886													
WG508886LRB	LRB	11/05/20 12:18				U	mg/L		-0.00044	0.00044			
WG508886LFB	LFB	11/05/20 12:19	HG201027-4	.002002		.0019	mg/L	95	85	115			
L62414-02LFM	LFM	11/05/20 12:24	HG201027-4	.002002	U	.00183	mg/L	91	85	115			
L62414-02LFMD	LFMD	11/05/20 12:25	HG201027-4	.002002	U	.00187	mg/L	93	85	115	2	20	

Molybdenum, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509061													
WG509061ICV	ICV	11/05/20 16:52	MS201021-2	.01992		.01999	mg/L	100	90	110			
WG509061ICB	ICB	11/05/20 16:54				U	mg/L		-0.0006	0.0006			
WG508951LRB	LRB	11/05/20 16:55				U	mg/L		-0.00044	0.00044			
WG508951LFB	LFB	11/05/20 16:57	MS201020-4	.0501		.04787	mg/L	96	85	115			
L62414-03LFM	LFM	11/05/20 17:04	MS201020-4	.0501	.0449	.09756	mg/L	105	70	130			
L62414-03LFMD	LFMD	11/05/20 17:06	MS201020-4	.0501	.0449	.09328	mg/L	97	70	130	4	20	

Nickel, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	2		1.9825	mg/L	99	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.024	0.024			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	.501		.5277	mg/L	105	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	.501	.306	.8041	mg/L	99	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	.501	.306	.8063	mg/L	100	85	115	0	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Nickel, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	2		1.9432	mg/L	97	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.024	0.024			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.0176	0.0176			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	.501		.4909	mg/L	98	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	.501	.301	.8142	mg/L	102	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	.501	.301	.8307	mg/L	106	70	130	2	20	

Nitrate/Nitrite as N M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509375													
WG509375ICV	ICV	11/10/20 22:13	WI200815-1	2.416		2.388	mg/L	99	90	110			
WG509375ICB	ICB	11/10/20 22:14				U	mg/L		-0.02	0.02			
WG509375LFB	LFB	11/10/20 22:18	WI201001-11	2		1.951	mg/L	98	90	110			
L62414-01AS	AS	11/10/20 22:21	WI201001-11	2	U	2.006	mg/L	100	90	110			
L62414-02DUP	DUP	11/10/20 22:23			U	U	mg/L				0	20	RA

Nitrate/Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508074													
WG508074ICV	ICV	10/23/20 21:20	WI200815-1	2.416		2.308	mg/L	96	90	110			
WG508074ICB	ICB	10/23/20 21:21				U	mg/L		-0.02	0.02			
WG508074LFB	LFB	10/23/20 21:25	WI201001-11	2		1.991	mg/L	100	90	110			
L62414-02AS	AS	10/23/20 21:47	WI201001-11	2	U	1.957	mg/L	98	90	110			
L62415-02DUP	DUP	10/23/20 21:49			U	U	mg/L				0	20	RA
L62399-01AS	AS	10/23/20 22:05	WI201001-11	6	2.56	8.653	mg/L	102	90	110			
L62405-01DUP	DUP	10/23/20 22:08			12.1	12.127	mg/L				0	20	

Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508074													
WG508074ICV	ICV	10/23/20 21:20	WI200815-1	.609		.595	mg/L	98	90	110			
WG508074ICB	ICB	10/23/20 21:21				U	mg/L		-0.01	0.01			
WG508074LFB	LFB	10/23/20 21:25	WI201001-11	1		.99	mg/L	99	90	110			
L62399-01AS	AS	10/23/20 21:27	WI201001-11	1	U	1.007	mg/L	101	90	110			
L62405-01DUP	DUP	10/23/20 21:30			.222	.226	mg/L				2	20	
L62414-02AS	AS	10/23/20 21:47	WI201001-11	1	U	.988	mg/L	99	90	110			
L62415-02DUP	DUP	10/23/20 21:49			U	U	mg/L				0	20	RA

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Nitrogen, ammonia M350.1 Auto Salicylate w/gas diffusion

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509081													
WG509081ICV	ICV	11/06/20 9:39	WI201001-6	11.988		12.949	mg/L	108	90	110			
WG509081ICB	ICB	11/06/20 9:41				U	mg/L		-0.05	0.05			
WG509135													
WG509135LFB	LFB	11/06/20 12:18	WI191111-3	10		9.986	mg/L	100	90	110			
L62414-01DUP	DUP	11/06/20 12:21			U	U	mg/L				0	20	RA
L62414-02AS	AS	11/06/20 12:24	WI191111-3	10	U	9.93	mg/L	99	90	110			
WG509313													
WG509313ICV	ICV	11/10/20 10:32	WI201001-6	11.988		12.599	mg/L	105	90	110			
WG509313ICB	ICB	11/10/20 10:33				U	mg/L		-0.05	0.05			
WG509313LFB1	LFB	11/10/20 10:35	WI191111-3	10		9.763	mg/L	98	90	110			
L58827-26DUP	DUP	11/10/20 10:38			U	U	mg/L				0	20	RA
L58828-26AS	AS	11/10/20 10:41	WI191111-3	10	U	10.088	mg/L	101	90	110			
L62414-04DUP	DUP	11/10/20 10:58			U	U	mg/L				0	20	RA
WG509313LFB2	LFB	11/10/20 11:17	WI191111-3	10		9.935	mg/L	99	90	110			
L62428-01AS	AS	11/10/20 11:46	WI191111-3	10	U	9.887	mg/L	99	90	110			

Nitrogen, total Kjeldahl M351.2 - TKN by Block Digester

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509191													
WG509191ICV	ICV	11/07/20 19:44	WI201103-4	4		3.94	mg/L	99	90	110			
WG509191ICB	ICB	11/07/20 19:45				U	mg/L		-0.2	0.2			
WG509020LRB	LRB	11/07/20 19:47				U	mg/L		-0.2	0.2			
WG509020LFB	LFB	11/07/20 19:48	WI201102-2	2.5		2.45	mg/L	98	90	110			
L62414-03DUP	DUP	11/07/20 19:50			U	U	mg/L				0	20	RA
L62414-04LFM	LFM	11/07/20 19:52	WI201102-2	2.5	U	2.52	mg/L	101	90	110			

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508087													
WG508087LCSW1	LCSW	10/24/20 12:46	PCN60577	6		6	units	100	5.9	6.1			
WG508087LCSW3	LCSW	10/24/20 15:55	PCN60577	6		6.1	units	102	5.9	6.1			
WG508087LCSW5	LCSW	10/24/20 19:49	PCN60577	6		6.1	units	102	5.9	6.1			
WG508087LCSW7	LCSW	10/24/20 23:04	PCN60577	6		6.1	units	102	5.9	6.1			
L62428-03DUP	DUP	10/25/20 1:02			9.5	9.5	units				0	20	
WG508087LCSW9	LCSW	10/25/20 2:32	PCN60577	6		6.1	units	102	5.9	6.1			

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	20		19.83	mg/L	99	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.6	0.6			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	99.96637		100.3	mg/L	100	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	99.96637	4.11	105.5	mg/L	101	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	99.96637	4.11	105.2	mg/L	101	85	115	0	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Potassium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	20		19.4	mg/L	97	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.6	0.6			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.44	0.44			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	99.96637		96.89	mg/L	97	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	99.96637	4.11	99.16	mg/L	95	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	99.96637	4.11	106.6	mg/L	103	70	130	7	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508277													
WG508277PBW	PBW	10/27/20 16:10				U	mg/L		-20	20			
WG508277LCSW	LCSW	10/27/20 16:11	PCN62143	1000		988	mg/L	99	80	120			
L62414-04DUP	DUP	10/27/20 16:25			556	560	mg/L				1	10	

Residue, Non-Filterable (TSS) @105C SM2540D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508296													
WG508296PBW	PBW	10/27/20 17:20				U	mg/L		-5	5			
WG508296LCSW	LCSW	10/27/20 17:21	PCN62142	100		94	mg/L	94	80	120			
L62439-01DUP	DUP	10/27/20 17:59			15	21	mg/L				33	10	RA

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508931													
WG508931ICV	ICV	11/04/20 13:08	MS201021-2	.05		.05057	mg/L	101	90	110			
WG508931ICB	ICB	11/04/20 13:11				.00011	mg/L		-0.00022	0.00022			
WG508931LFB	LFB	11/04/20 13:14	MS201020-4	.05		.04887	mg/L	98	85	115			
L62414-04AS	AS	11/04/20 13:30	MS201020-4	.05	.00072	.05621	mg/L	111	70	130			
L62414-04ASD	ASD	11/04/20 13:33	MS201020-4	.05	.00072	.05468	mg/L	108	70	130	3	20	

Selenium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509061													
WG509061ICV	ICV	11/05/20 16:52	MS201021-2	.05		.05064	mg/L	101	90	110			
WG509061ICB	ICB	11/05/20 16:54				U	mg/L		-0.0003	0.0003			
WG508951LRB	LRB	11/05/20 16:55				U	mg/L		-0.00022	0.00022			
WG508951LFB	LFB	11/05/20 16:57	MS201020-4	.05		.05055	mg/L	101	85	115			
L62414-03LFM	LFM	11/05/20 17:04	MS201020-4	.05	.00063	.04884	mg/L	96	70	130			
L62414-03LFMD	LFMD	11/05/20 17:06	MS201020-4	.05	.00063	.04568	mg/L	90	70	130	7	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Silica, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	42.8		43.16	mg/L	101	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.6	0.6			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.44	0.44			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	21.415		21.46	mg/L	100	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	21.415	10.3	32.22	mg/L	102	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	21.415	10.3	32.44	mg/L	103	70	130	1	20	

Silver, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509021													
WG509021ICV	ICV	11/05/20 12:13	MS201021-2	.02004		.02098	mg/L	105	90	110			
WG509021ICB	ICB	11/05/20 12:15				U	mg/L		-0.00022	0.00022			
WG509021LFB	LFB	11/05/20 12:17	MS201020-4	.01002		.01026	mg/L	102	85	115			
L62414-01AS	AS	11/05/20 12:24	MS201020-4	.01002	U	.00776	mg/L	77	70	130			
L62414-01ASD	ASD	11/05/20 12:26	MS201020-4	.01002	U	.00606	mg/L	60	70	130	25	20	M2 RF ZA

Silver, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509061													
WG509061ICV	ICV	11/05/20 16:52	MS201021-2	.02004		.0208	mg/L	104	90	110			
WG509061ICB	ICB	11/05/20 16:54				U	mg/L		-0.0003	0.0003			
WG508951LRB	LRB	11/05/20 16:55				U	mg/L		-0.00022	0.00022			
WG508951LFB	LFB	11/05/20 16:57	MS201020-4	.01002		.01001	mg/L	100	85	115			
L62414-03LFM	LFM	11/05/20 17:04	MS201020-4	.01002	U	.00955	mg/L	95	70	130			
L62414-03LFMD	LFMD	11/05/20 17:06	MS201020-4	.01002	U	.00918	mg/L	92	70	130	4	20	

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	100		99.01	mg/L	99	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.6	0.6			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	100.0125		99.91	mg/L	100	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	100.0125	14.5	115.2	mg/L	101	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	100.0125	14.5	114.7	mg/L	100	85	115	0	20	

Sodium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	100		95.69	mg/L	96	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.6	0.6			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.44	0.44			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	100.0125		96.06	mg/L	96	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	100.0125	14	108.1	mg/L	94	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	100.0125	14	116.2	mg/L	102	70	130	7	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG507235													
WG507235ICV	ICV	10/13/20 20:40	WI201009-2	50		50.15	mg/L	100	90	110			
WG507235ICB	ICB	10/13/20 20:57				U	mg/L		-0.4	0.4			
WG508872													
WG508872LFB1	LFB	11/04/20 15:04	WI201018-4	30		30.63	mg/L	102	90	110			
L62414-02AS	AS	11/04/20 16:16	WI201018-4	150	167	320.56	mg/L	102	90	110			
WG508872LFB2	LFB	11/04/20 23:44	WI201018-4	30		30.49	mg/L	102	90	110			
L62414-01DUP	DUP	11/05/20 22:29			.85	.85	mg/L				0	20	RA

Sulfide as S SM4500S2-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508205													
WG508205ICV	ICV	10/27/20 9:34	WC201026-9	.35066		.352	mg/L	100	90	110			
WG508205ICB	ICB	10/27/20 9:38				U	mg/L		-0.05	0.05			
WG508205LFB	LFB	10/27/20 9:43	WC201026-12	.2133333		.228	mg/L	107	80	120			
L62414-02AS	AS	10/27/20 9:56	WC201026-12	.2133333	U	.213	mg/L	100	75	125			
L62414-02ASD	ASD	10/27/20 10:01	WC201026-12	.2133333	U	.222	mg/L	104	75	125	4	20	

Thallium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508931													
WG508931ICV	ICV	11/04/20 13:08	MS201021-2	.05		.05042	mg/L	101	90	110			
WG508931ICB	ICB	11/04/20 13:11				U	mg/L		-0.00022	0.00022			
WG508931LFB	LFB	11/04/20 13:14	MS201020-4	.0501		.05018	mg/L	100	85	115			
L62414-04AS	AS	11/04/20 13:30	MS201020-4	.0501	.0013	.05313	mg/L	103	70	130			
L62414-04ASD	ASD	11/04/20 13:33	MS201020-4	.0501	.0013	.0542	mg/L	106	70	130	2	20	

Thallium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509061													
WG509061ICV	ICV	11/05/20 16:52	MS201021-2	.05		.0505	mg/L	101	90	110			
WG509061ICB	ICB	11/05/20 16:54				U	mg/L		-0.0003	0.0003			
WG508951LRB	LRB	11/05/20 16:55				U	mg/L		-0.00022	0.00022			
WG508951LFB	LFB	11/05/20 16:57	MS201020-4	.0501		.04883	mg/L	97	85	115			
L62414-03LFM	LFM	11/05/20 17:04	MS201020-4	.0501	.00141	.05236	mg/L	102	70	130			
L62414-03LFMD	LFMD	11/05/20 17:06	MS201020-4	.0501	.00141	.04937	mg/L	96	70	130	6	20	

Tin, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	2		1.989	mg/L	99	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.12	0.12			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.088	0.088			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	1.002		.974	mg/L	97	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	1.002	U	.988	mg/L	99	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	1.002	U	1.029	mg/L	103	70	130	4	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG508931													
WG508931ICV	ICV	11/04/20 13:08	MS201021-2	.05		.05047	mg/L	101	90	110			
WG508931ICB	ICB	11/04/20 13:11				U	mg/L		-0.00022	0.00022			
WG508931LFB	LFB	11/04/20 13:14	MS201020-4	.05		.04965	mg/L	99	85	115			
L62414-04AS	AS	11/04/20 13:30	MS201020-4	.05	.119	.1668	mg/L	96	70	130			
L62414-04ASD	ASD	11/04/20 13:33	MS201020-4	.05	.119	.1701	mg/L	102	70	130	2	20	

Uranium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509061													
WG509061ICV	ICV	11/05/20 16:52	MS201021-2	.05		.05057	mg/L	101	90	110			
WG509061ICB	ICB	11/05/20 16:54				U	mg/L		-0.0003	0.0003			
WG508951LRB	LRB	11/05/20 16:55				U	mg/L		-0.00022	0.00022			
WG508951LFB	LFB	11/05/20 16:57	MS201020-4	.05		.04897	mg/L	98	85	115			
L62414-03LFM	LFM	11/05/20 17:04	MS201020-4	.05	.123	.17487	mg/L	104	70	130			
L62414-03LFMD	LFMD	11/05/20 17:06	MS201020-4	.05	.123	.16828	mg/L	91	70	130	4	20	

Vanadium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	2		2.019	mg/L	101	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.015	0.015			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	.4995		.5245	mg/L	105	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	.4995	U	.5178	mg/L	104	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	.4995	U	.517	mg/L	104	85	115	0	20	

Vanadium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509235													
WG509235ICV	ICV	11/09/20 12:47	II201022-1	2		1.962	mg/L	98	95	105			
WG509235ICB	ICB	11/09/20 12:53				U	mg/L		-0.015	0.015			
WG508869LRB	LRB	11/09/20 13:08				U	mg/L		-0.022	0.022			
WG508869LFB	LFB	11/09/20 13:11	II201027-3	.4995		.5004	mg/L	100	85	115			
L62414-04LFM	LFM	11/09/20 13:26	II201027-3	.4995	U	.4806	mg/L	96	70	130			
L62414-04LFMD	LFMD	11/09/20 13:29	II201027-3	.4995	U	.496	mg/L	99	70	130	3	20	

Zinc, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509127													
WG509127ICV	ICV	11/06/20 19:11	II201022-1	2		1.946	mg/L	97	95	105			
WG509127ICB	ICB	11/06/20 19:18				U	mg/L		-0.06	0.06			
WG509127LFB	LFB	11/06/20 19:31	II201027-3	.50075		.561	mg/L	112	85	115			
L62414-03AS	AS	11/06/20 19:44	II201027-3	.50075	.349	.846	mg/L	99	85	115			
L62414-03ASD	ASD	11/06/20 19:47	II201027-3	.50075	.349	.851	mg/L	100	85	115	1	20	

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Zinc, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG509125													
WG509125ICV	ICV	11/06/20 17:17	II201022-1	2		1.9	mg/L	95	95	105			
WG509125ICB	ICB	11/06/20 17:23				U	mg/L		-0.06	0.06			
WG508869LRB	LRB	11/06/20 17:38				U	mg/L		-0.044	0.044			
WG508869LFB	LFB	11/06/20 17:42	II201027-3	.50075		.506	mg/L	101	85	115			
L62414-04LFM	LFM	11/06/20 17:57	II201027-3	.50075	.413	.912	mg/L	100	70	130			
L62414-04LFMD	LFMD	11/06/20 18:00	II201027-3	.50075	.413	.961	mg/L	109	70	130	5	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L62414***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L62414-01	WG508547	Chemical Oxygen Demand	M410.4	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M410.4	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG508872	Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG508584	Conductivity @25C	SM2510B	ZW	Method deviation. The sample was centrifuged prior to analysis due to high solid content.
	WG508872	Fluoride	M300.0 - Ion Chromatography	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG509375	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG508074	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG509135	Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG508296	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG509021	Silver, dissolved	M200.8 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.8 ICP-MS	RF	Relative Percent Difference (RPD) for Ag in spiked samples exceeded limit. In the absence of HCl, precipitation of Ag may occur at different rates.
			M200.8 ICP-MS	ZA	Poor recovery for Silver quality control is accepted due to low Silver solubility in samples, digestates, or extracts that do not contain sufficient Hydrochloric acid.
	WG508872	Sulfate	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG508205	Sulfide as S	SM4500S2-D	QD	Reported value is the background-corrected concentration, as described by the method.

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L62414***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L62414-02	WG508547	Chemical Oxygen Demand	M410.4	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M410.4	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG508872	Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Fluoride	M300.0 - Ion Chromatography	DC	Sample required dilution. Non-target analyte exceeded calibration range.
			M300.0 - Ion Chromatography	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG509375	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG508074	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG509135	Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG508296	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG509021	Silver, dissolved	M200.8 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.8 ICP-MS	RF	Relative Percent Difference (RPD) for Ag in spiked samples exceeded limit. In the absence of HCl, precipitation of Ag may occur at different rates.
			M200.8 ICP-MS	ZA	Poor recovery for Silver quality control is accepted due to low Silver solubility in samples, digestates, or extracts that do not contain sufficient Hydrochloric acid.
	WG508872	Sulfate	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L62414***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L62414-03	WG508084	Biochemical Oxygen Demand (5 day)	SM5210B/HACH10360	H3	Sample was received and analyzed past holding time.
			SM5210B/HACH10360	K1	The sample dilutions set-up for the BOD/CBOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
	WG508547	Chemical Oxygen Demand	M410.4	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M410.4	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG508872	Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Fluoride	M300.0 - Ion Chromatography	DC	Sample required dilution. Non-target analyte exceeded calibration range.
			M300.0 - Ion Chromatography	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG509375	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG509313	Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG509191	Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG508296	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG509125	Silica, total recoverable	M200.7 ICP	ZS	Digestion procedures have the potential to trigger silica polymerization and precipitation, leading to low biased results. Silica chemistry is complex and polymerization kinetics are unpredictable. Dissolved and/or acid soluble silica analyses may provide more accurate measurements.
	WG509021	Silver, dissolved	M200.8 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.8 ICP-MS	RF	Relative Percent Difference (RPD) for Ag in spiked samples exceeded limit. In the absence of HCl, precipitation of Ag may occur at different rates.
			M200.8 ICP-MS	ZA	Poor recovery for Silver quality control is accepted due to low Silver solubility in samples, digestates, or extracts that do not contain sufficient Hydrochloric acid.
	WG508872	Sulfate	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L62414***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L62414-04	WG508084	Biochemical Oxygen Demand (5 day)	SM5210B/HACH10360	H3	Sample was received and analyzed past holding time.
			SM5210B/HACH10360	K1	The sample dilutions set-up for the BOD/CBOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
	WG508547	Chemical Oxygen Demand	M410.4	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M410.4	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG508872	Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Fluoride	M300.0 - Ion Chromatography	DC	Sample required dilution. Non-target analyte exceeded calibration range.
			M300.0 - Ion Chromatography	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG509375	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG509313	Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG509191	Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG508296	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG509125	Silica, total recoverable	M200.7 ICP	ZS	Digestion procedures have the potential to trigger silica polymerization and precipitation, leading to low biased results. Silica chemistry is complex and polymerization kinetics are unpredictable. Dissolved and/or acid soluble silica analyses may provide more accurate measurements.
	WG509021	Silver, dissolved	M200.8 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.8 ICP-MS	RF	Relative Percent Difference (RPD) for Ag in spiked samples exceeded limit. In the absence of HCl, precipitation of Ag may occur at different rates.
			M200.8 ICP-MS	ZA	Poor recovery for Silver quality control is accepted due to low Silver solubility in samples, digestates, or extracts that do not contain sufficient Hydrochloric acid.
	WG508872	Sulfate	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020 Q4

ACZ Sample ID: ***L62414-03***
Date Sampled: *10/21/20 8:25*
Date Received: *10/23/20*
Sample Matrix: *Groundwater*

Oil & Grease, Total Recoverable

Analysis Method: **1664A/B - Gravimetric**
Extract Method:

Workgroup: WG509482
Analyst: eep
Extract Date:
Analysis Date: 11/12/20 11:13

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Oil and Grease		<2	U	1.01		mg/L	2	10.1

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020 Q4 DUP

ACZ Sample ID: ***L62414-04***
Date Sampled: *10/21/20 8:25*
Date Received: *10/23/20*
Sample Matrix: *Groundwater*

Oil & Grease, Total Recoverable

Analysis Method: **1664A/B - Gravimetric**
Extract Method:

Workgroup: WG509482
Analyst: eep
Extract Date:
Analysis Date: 11/12/20 11:47

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Oil and Grease		3.9	B	1.01		mg/L	2	10.1

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
LCL	Lower Control Limit
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #4) Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
UCL	Upper Control Limit
Sample	Value of the Sample of interest

QC Sample Types

SURR	Surrogate	*LFB*	Laboratory Fortified Blank
INTS	Internal Standard	*LFM*	Laboratory Fortified Matrix
AS	Analytical Spike (Post Digestion)	*LFMD*	Laboratory Fortified Matrix Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LRB*	Laboratory Reagent Blank
DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

O	Analyte concentration is estimated due to result exceeding calibration range.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
J	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/4-90/020. Methods for the Determination of Organic Compounds in Drinking Water (I), July 1990.
(3) EPA 600/R-92/129. Methods for the Determination of Organic Compounds in Drinking Water (II), July 1990.
(4) EPA SW-846. Test Methods for Evaluating Solid Waste.
(5) Standard Methods for the Examination of Water and Wastewater.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Excluding Oil & Grease, solid & biological matrices for organic analyses are reported on a wet weight basis.
(3) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(4) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

Energy Fuels Resources (USA) Inc. ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Oil & Grease, Total Recoverable

1664A/B - Gravimetric

WG509482

MS **Sample ID: L62414-03MS** **PCN/SCN: OP201022-2** **Analyzed: 11/12/20 11:30**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40	U	41.2	mg/L	103.0	78	114			

LCSW **Sample ID: WG509482LCSW** **PCN/SCN: OP201022-2** **Analyzed: 11/12/20 15:13**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40		36.9	mg/L	92.0	78	114			

LCSWD **Sample ID: WG509482LCSWD** **PCN/SCN: OP201022-2** **Analyzed: 11/12/20 15:30**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40		35.1	mg/L	88.0	78	114	5	18	

PBW **Sample ID: WG509482PBW** **Analyzed: 11/12/20 10:56**

Compound	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE			U	mg/L						

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Organic Extended Qualifier Report

ACZ Project ID: ***L62414***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020 Q4
Locator:

ACZ Sample ID: ***L62414-03***
Date Sampled: *10/21/20 8:25*
Date Received: *10/23/20*
Sample Matrix: *Groundwater*

Combined Radium (total)
Calculation (RA226 + RA228)

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium (total)	11/20/20 12:19		6.8			pCi/L		calc

Gross Alpha & Beta, total
M900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, total	11/17/20 0:10		170	14	8	pCi/L		fdw/tjr
Gross Beta, total	11/17/20 0:10		50	4.9	6.8	pCi/L		fdw/tjr

Gross Alpha, dissolved
M900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, dissolved	11/17/20 0:11		180	14	7.5	pCi/L		fdw/tjr

Lead 210, total
EICHROM, OTW01

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, total	11/10/20 12:46		5.7	1.5	5.2	pCi/L	*	tjr

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	11/17/20 0:24		9.6	0.45	0.32	pCi/L		djc

Radium 226, total
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, total	11/17/20 0:23		6.8	0.31	0.16	pCi/L		djc

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020 Q4
Locator:

ACZ Sample ID: ***L62414-03***
Date Sampled: *10/21/20 8:25*
Date Received: *10/23/20*
Sample Matrix: *Groundwater*

Radium 228, dissolved — Prep Method:
M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	11/18/20 14:30		-0.14	0.96	2.3	pCi/L	*	cer

Radium 228, total — Prep Method:
M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, total	11/18/20 14:29		-0.07	1.3	3.2	pCi/L	*	cer

Thorium, Isotopic Total — Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228, total	11/11/20 10:06		0.0	0.7	0.67	pCi/L	*	djc
Thorium 230, total	11/11/20 10:06		0.44	0.31	0.41	pCi/L	*	djc
Thorium 232, total	11/11/20 10:06		-0.0627	0.12	0.34	pCi/L	*	djc

Uranium, Isotopic Dissolved — Prep Method:
Eichrom ACW03

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234, dissolved	11/10/20 9:24		135	16	3.2	pCi/L	*	djc
Uranium 235, dissolved	11/10/20 9:24		3.77	1.7	1.5	pCi/L	*	djc
Uranium 238, dissolved	11/10/20 9:24		81.4	11	4.1	pCi/L	*	djc

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020 Q4 DUP
Locator:

ACZ Sample ID: ***L62414-04***
Date Sampled: *10/21/20 8:25*
Date Received: *10/23/20*
Sample Matrix: *Groundwater*

Combined Radium (total)
Calculation (RA226 + RA228)

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium (total)	11/20/20 12:19		11			pCi/L		calc

Gross Alpha & Beta, total
M900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, total	11/17/20 0:12		140	13	20	pCi/L		fdw/tjr
Gross Beta, total	11/17/20 0:12		59	5.4	18	pCi/L		fdw/tjr

Gross Alpha, dissolved
M900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, dissolved	11/17/20 0:14		120	13	21	pCi/L		fdw/tjr

Lead 210, total
EICHROM, OTW01

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, total	11/10/20 12:46		7.2	1.4	4.8	pCi/L	*	tjr

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	11/17/20 0:27		9.3	0.39	0.16	pCi/L		djc

Radium 226, total
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, total	11/17/20 0:25		11	0.47	0.16	pCi/L		djc

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: CANYON SUMP 2020 Q4 DUP
Locator:

ACZ Sample ID: ***L62414-04***
Date Sampled: *10/21/20 8:25*
Date Received: *10/23/20*
Sample Matrix: *Groundwater*

Radium 228, dissolved
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	11/18/20 14:30		-0.37	1.4	3.2	pCi/L	*	cer

Radium 228, total
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, total	11/18/20 14:29		0.9	1.3	3	pCi/L	*	cer

Thorium, Isotopic Total
ESM 4506

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228, total	11/11/20 10:06		-0.0644	0.33	0.67	pCi/L	*	djc
Thorium 230, total	11/11/20 10:06		0.0898	0.35	0.65	pCi/L	*	djc
Thorium 232, total	11/11/20 10:06		0.064	0.23	0.45	pCi/L	*	djc

Uranium, Isotopic Dissolved
Eichrom ACW03

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234, dissolved	11/10/20 9:24		128	16	2.6	pCi/L	*	djc
Uranium 235, dissolved	11/10/20 9:24		1.98	1.8	2.8	pCi/L	*	djc
Uranium 238, dissolved	11/10/20 9:24		82.3	11	3	pCi/L	*	djc

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1) Solid matrices are reported on a dry weight basis.

(2) Preparation method: "Method" indicates preparation defined in analytical method.

(3) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.

(4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Alpha M900.0 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG509399																
WG509399PBW	PBW	11/17/20						.97	1.2	11			22			
WG509399LCSWA	LCSW	11/17/20	PCN62436	100				110	8.9	11	110	67	144			
L62557-01MSA	MS	11/17/20	PCN62436	100	9.7	4	21	80	10	22	70	67	144			
L62557-01DUP	DUP-RPD	11/17/20			9.7	4	21	9.6	3.9	12				1	20	
L62557-02DUP	DUP-RPD	11/17/20			4	2.7	8.6	4.4	2.9	14				10	20	

Beta M900.0 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG509399																
WG509399PBW	PBW	11/17/20						-2	2.5	17			34			
WG509399LCSWB	LCSW	11/17/20	RC200602-10	99.9				96	6.2	6.7	96	82	122			
L62557-01DUP	DUP-RPD	11/17/20			5	3.2	18	4.9	2.8	7.1				2	20	
L62557-02MSB	MS	11/17/20	RC200602-10	99.9	6.8	3	5.4	110	6.9	9.3	103	82	122			
L62557-02DUP	DUP-RER	11/17/20			6.8	3	5.4	5.4	3	12				0.33	2	
L62557-02DUP	DUP-RPD	11/17/20			6.8	3	5.4	5.4	3	12				23	20	RG

Lead 210, total EICHROM, OTW01 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG508702																
WG508702LCSW	LCSW	11/10/20	PCN59630	96.21				92	2.6	5.1	96	55	121			
WG508702PBW	PBW	11/10/20						4.2	1.2	4.3			8.6			
L62414-03DUP	DUP-RPD	11/10/20			5.7	1.5	5.2	5.9	1.4	4.8				3	20	
L62414-04MS	MS	11/10/20	PCN59630	96.21	7.2	1.4	4.8	94	2.6	4.6	90	55	121			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG509319																
WG509319PBW	PBW	11/17/20						.05	0.09	0.09			0.18			
WG509319LCSW	LCSW	11/17/20	PCN61539	20				20	0.61	0.09	100	43	148			
L62284-07DUP	DUP-RPD	11/17/20			41	0.85	0.15	36	0.73	0.08				13	20	
L62415-03DUP	DUP-RPD	11/17/20			42	0.85	0.17	41	0.82	0.05				2	20	
L62286-01MS	MS	11/17/20	PCN61539	20	0.06	0.11	0.12	17	0.51	0.05	85	43	148			

Radium 228, total M904.0 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG509128																
L62295-01DUP	DUP-RPD	11/17/20			3.2	0.81	0.69	2.4	0.71	0.64				29	20	RG
L62295-01DUP	DUP-RER	11/17/20			3.2	0.81	0.69	2.4	0.71	0.64				0.74	2	
L62295-02MS	MS	11/17/20	PCN61541	4.74	3.1	0.71	0.6	6.7	0.86	0.63	76	47	123			
WG509128LCSW	LCSW	11/17/20	PCN61541	4.74				5.1	0.64	0.45	107	47	123			
WG509128PBW	PBW	11/17/20						.04	0.48	0.5			1			
L62295-03DUP	DUP-RPD	11/18/20			2.2	0.54	0.46	1.4	0.58	0.54				44	20	RG
L62295-03DUP	DUP-RER	11/18/20			2.2	0.54	0.46	1.4	0.58	0.54				1.01	2	

Th-228 ESM 4506 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG508691																
L62226-04DUP	DUP-RER	11/11/20			0.545	0.41	0.61	.0459	0.27	0.51				1.02	2	
L62226-04DUP	DUP-RPD	11/11/20			0.545	0.41	0.61	.0459	0.27	0.51				169	20	RG
WG508691PBW	PBW	11/11/20						-.251	0.44	0.86			1.72			
L62494-01DUP	DUP-RPD	11/11/20			0.00794	0.63	1.2	-.306	0.55	1.2				211	20	RG
L62494-01DUP	DUP-RER	11/11/20			0.00794	0.63	1.2	-.306	0.55	1.2				0.38	2	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Th-229 ESM 4506 **Units:** %

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG508691																
WG508691LCSW	LCSW	11/11/20	PCN58726					90	130	30						
L62226-04DUP	DUP-RER	11/11/20			66	130	30	65	130	30					20	
L62226-04DUP	DUP-RPD	11/11/20			66	130	30							2	20	
L62226-04DUP	DUP-RPD	11/11/20			66	130	30	65	130	30					20	
WG508691PBW	PBW	11/11/20						61	130	30			60			
L62494-01DUP	DUP-RER	11/11/20			67	130	30	62	130	30					20	
L62494-01DUP	DUP-RPD	11/11/20			67	130	30							8	20	
L62494-01DUP	DUP-RPD	11/11/20			67	130	30	62	130	30					20	
L62384-02MS	MS	11/11/20	PCN58726		57	130	30	87	130	30						

Th-230 ESM 4506 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG508691																
WG508691LCSW	LCSW	11/11/20	PCN58726	200				185	24	0.46	93	91	126			
L62226-04DUP	DUP-RER	11/11/20			0.293	0.25	0.36	.228	0.31	0.52				0.16	2	
L62226-04DUP	DUP-RPD	11/11/20			0.293	0.25	0.36	.228	0.31	0.52				25	20	RG
WG508691PBW	PBW	11/11/20						.206	0.24	0.38			0.76			
L62494-01DUP	DUP-RER	11/11/20			0.00385	0.44	0.9	-.249	0.65	1.3				0.32	2	
L62494-01DUP	DUP-RPD	11/11/20			0.00385	0.44	0.9	-.249	0.65	1.3				206	20	RG
L62384-02MS	MS	11/11/20	PCN58726	200	0.495	0.31	0.4	195	26	0.37	97	91	126			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Th-232 ESM 4506 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG508691																
L62226-04DUP	DUP-RPD	11/11/20			0.023	0.16	0.33	.0569	0.14	0.26				85	20	RG
L62226-04DUP	DUP-RER	11/11/20			0.023	0.16	0.33	.0569	0.14	0.26				0.16	2	
WG508691PBW	PBW	11/11/20						-.0283	0.08	0.21			0.42			
L62494-01DUP	DUP-RPD	11/11/20			-0.0563	0.25	0.61	-.182	0.27	0.73				105	20	RG
L62494-01DUP	DUP-RER	11/11/20			-0.0563	0.25	0.61	-.182	0.27	0.73				0.34	2	

U-232 Eichrom ACW03 **Units:** %

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG509287																
WG509287PBW	PBW	11/10/20						87	130	30			60			
WG509287LCSW	LCSW	11/10/20	RC200107-11					62	130	30						
L62232-01MS	MS	11/10/20	RC200107-11		83	130	30	53	130	30						
L62231-01DUP	DUP-RPD	11/11/20			88	130	30	87	130	30					20	
L62231-01DUP	DUP-RPD	11/11/20			88	130	30							1	20	
L62231-01DUP	DUP-RER	11/11/20			88	130	30	87	130	30					20	
L62497-02DUP	DUP-RPD	11/11/20			86	130	30	84	130	30					20	
L62497-02DUP	DUP-RPD	11/11/20			86	130	30							2	20	
L62497-02DUP	DUP-RER	11/11/20			86	130	30	84	130	30					20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L62414***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

U-234 Eichrom ACW03 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG509287																
WG509287PBW	PBW	11/10/20						-.298	0.64	1.5			3			
WG509287LCSW	LCSW	11/10/20	RC200107-11	98				104	14	2.2	106	77	122			
L62232-01MS	MS	11/10/20	RC200107-11	98	47	6.5	1.3	137	18	2.7	92	77	122			
L62231-01DUP	DUP-RPD	11/11/20			23.8	4	1.5	25.4	4.1	0.97				7	20	
L62497-02DUP	DUP-RPD	11/11/20			1.18	0.97	1.4	.341	0.66	1.2				110	20	RG
L62497-02DUP	DUP-RER	11/11/20			1.18	0.97	1.4	.341	0.66	1.2				0.72	2	

U-235 Eichrom ACW03 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG509287																
WG509287PBW	PBW	11/10/20						.122	0.63	1.3			2.6			
WG509287LCSW	LCSW	11/10/20	RC200107-11	4.48				5.2	2.1	0.51	116	42	136			
L62232-01MS	MS	11/10/20	RC200107-11	4.48	1.72	1.4	2	4.81	2.3	2.3	69	42	136			
L62231-01DUP	DUP-RER	11/11/20			1.12	0.85	0.98	.517	0.72	1.2				0.54	2	
L62231-01DUP	DUP-RPD	11/11/20			1.12	0.85	0.98	.517	0.72	1.2				74	20	RG
L62497-02DUP	DUP-RER	11/11/20			-0.266	0.45	1.2	.235	0.82	1.6				0.54	2	
L62497-02DUP	DUP-RPD	11/11/20			-0.266	0.45	1.2	.235	0.82	1.6				3232	20	RG

U-238 Eichrom ACW03 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG509287																
WG509287PBW	PBW	11/10/20						.593	0.55	0.73			1.46			
WG509287LCSW	LCSW	11/10/20	RC200107-11	97.5				91.5	12	2.4	94	87	124			
L62232-01MS	MS	11/10/20	RC200107-11	97.5	41	5.9	1.8	139	19	3.4	101	87	124			
L62231-01DUP	DUP-RPD	11/11/20			20	3.6	1.2	22.3	3.8	0.77				11	20	
L62497-02DUP	DUP-RPD	11/11/20			-0.429	0.84	1.9	-.237	0.74	1.6				58	20	RG
L62497-02DUP	DUP-RER	11/11/20			-0.429	0.84	1.9	-.237	0.74	1.6				0.17	2	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: ***L62414***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L62414-01	WG509319	Radium 226, dissolved	M903.1	D1	Sample required dilution due to matrix.
		Radium 226, total	M903.1	D1	Sample required dilution due to matrix.
	WG509128	Radium 228, dissolved	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Radium 228, total	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG509287	Uranium 234, dissolved	Eichrom ACW03	D1	Sample required dilution due to matrix.
		Uranium 235, dissolved	Eichrom ACW03	D1	Sample required dilution due to matrix.
			Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Uranium 238, dissolved	Eichrom ACW03	D1	Sample required dilution due to matrix.
L62414-02	WG509128	Radium 228, dissolved	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Radium 228, total	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG509287	Uranium 235, dissolved	Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L62414-03	WG509128	Radium 228, dissolved	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Radium 228, total	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG508691	Thorium 228, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Thorium 230, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Thorium 232, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG509287	Uranium 235, dissolved	Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L62414-04	WG509128	Radium 228, dissolved	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Radium 228, total	M904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG508691	Thorium 228, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Thorium 230, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Thorium 232, total	ESM 4506	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG509287	Uranium 235, dissolved	Eichrom ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.

Radiochemistry

The following parameters are not offered for certification or are not covered by AZ certificate #AZ0102.	
Lead 210, total	EICHROM, OTW01
Thorium 228, total	ESM 4506
Thorium 230, total	ESM 4506
Thorium 232, total	ESM 4506
Uranium 234, dissolved	Eichrom ACW03
Uranium 235, dissolved	Eichrom ACW03
Uranium 238, dissolved	Eichrom ACW03

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.	
Lead 210, total	EICHROM, OTW01
Thorium 228, total	ESM 4506
Thorium 230, total	ESM 4506
Thorium 232, total	ESM 4506
Uranium 234, dissolved	Eichrom ACW03
Uranium 235, dissolved	Eichrom ACW03
Uranium 238, dissolved	Eichrom ACW03

Wet Chemistry

The following parameters are not offered for certification or are not covered by AZ certificate #AZ0102.	
Sulfide as S	SM4500S2-D

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L62414
Date Received: 10/23/2020 11:01
Received By:
Date Printed: 10/26/2020

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?	X		

A change was made in the Analyses Requested section prior to ACZ custody.

A change was made in the Analyses Requested section prior to ACZ custody.

A change was made in the Analyses Requested section prior to ACZ custody.

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A change was made in the Analyses Requested section prior to ACZ custody.

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L62414
Date Received: 10/23/2020 11:01
Received By:
Date Printed: 10/26/2020

18) Were all samples received within hold time? | | X |

Some parameters were received past hold time.

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
3050	0.8	<=6.0	15	Yes
4655	0.3	<=6.0	14	Yes
NA33942	0.6	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).