



Energy Fuels Resources (USA) Inc.
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January 29, 2018

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

**Re: Canyon Mine Non-Storm water Impoundment 3.04 General Aquifer Protection
Permit No. P-100333 Annual Report for 2017**

Dear Sir or Madam:

Enclosed please find Energy Fuels Resources (USA) Inc.'s ("EFRI's") 2017 Annual Report for the Canyon Mine (the "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 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 continued in 2017 and quarterly samples were collected.

As of the end of the fourth quarter 2017, the shaft has been sunk to a depth of approximately 1450 feet. Mine development and mining will not commence until the shaft reaches a depth of approximately 1470 feet. The shaft is located to the side of the ore body and as a result, has not and will not penetrate the ore body. At the time the sump levels are reached, EFRI will be able to survey and perform Klinkenberg testing on the mine sump required by Section 1.ii of the APP. As the pumped water has entered the shaft well above the ore body, the analytical results presented to date can be considered to represent background groundwater quality at that depth.

Per Section 2.i of the APP, the attached Table 1 includes the daily volume of water pumped from underground mining areas for 2017. All water pumped from underground mining areas in to the non-storm water impoundment 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. A summary of the monthly inspections and BMPs are described in the annual SWPPP report. 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 into the non-storm water impoundment.

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

Sincerely,



ENERGY FUELS RESOURCES (USA) INC.

Kathy Weinel

Quality Assurance Manager

cc: Scott Bakken, Trey White, Ty Fisher and David Turk (EFRI)
Vimal Chauhan (ADEQ)

TABLES

TABLE 1
Canyon Mine Daily Volume of Water Pumped from Underground Mining Areas during 2017

Date	Flow Meter Reading	Gallons Pumped (GA/D)	Date	Flow Meter Reading	Gallons Pumped (GA/D)	Date	Flow Meter Reading	Gallons Pumped (GA/D)
First Quarter 2017								
January 2017			February 2017			March 2017		
1/1/2017	No Operations	0	2/1/2017	2429557	26,914	3/1/2017	2722871	16908
1/2/2017	No Operations	0	2/2/2017	2440648	11,091	3/2/2017	2723786	915
1/3/2017	1873472	0	2/3/2017	2468445	27,797	3/3/2017	2737015	13,229
1/4/2017	1888580	15,108	2/4/2017	2471483	3,038	3/4/2017	2753385	16,370
1/5/2017	1893651	5,071	2/5/2017	2504070	32,587	3/5/2017	2766505	13,120
1/6/2017	1920017	26,366	2/6/2017	2511191	7,121	3/6/2017	2777710	11,205
1/7/2017	1929965	9,948	2/7/2017	2521094	9,903	3/7/2017	2785112	7,402
1/8/2017	1961482	31,517	2/8/2017	2535891	14,797	3/8/2017	2798773	13,661
1/9/2017	1980772	19,290	2/9/2017	2549106	13,215	3/9/2017	2808773	10,000
1/10/2017	1999382	18,610	2/10/2017	2549780	674	3/10/2017	2829941	21,168
1/11/2017	2019799	20,417	2/11/2017	2582231	32,451	3/11/2017	2840851	10,910
1/12/2017	2042586	22,787	2/12/2017	2595447	13,216	3/12/2017	2851083	10,232
1/13/2017	2051172	8,586	2/13/2017	2603295	7,848	3/13/2017	2857582	6,499
1/14/2017	2072390	21,218	2/14/2017	2610608	7,313	3/14/2017	2877958	20,376
1/15/2017	2084699	12,309	2/15/2017	2620313	9,705	3/15/2017	2896645	18,687
1/16/2017	2115893	31,194	2/16/2017	2635500	15,187	3/16/2017	2914971	18,326
1/17/2017	2137597	21,704	2/17/2017	2642125	6,625	3/17/2017	2930635	15,664
1/18/2017	2156148	18,551	2/18/2017	2670643	28,518	3/18/2017	2942383	11,748
1/19/2017	2177117	20,969	2/19/2017	2673641	2,998	3/19/2017	2952901	10,518
1/20/2017	2197696	20,579	2/20/2017	2674310	669	3/20/2017	2967928	15,027
1/21/2017	2216184	18,488	2/21/2017	2681102	6,792	3/21/2017	2976890	8,962
1/22/2017	2236669	20,485	2/22/2017	2685964	4,862	3/22/2017	2982809	5,919
1/23/2017	2255324	18,655	2/23/2017	2692836	6,872	3/23/2017	2993765	10,956
1/24/2017	2276281	20,957	2/24/2017	2693480	644	3/24/2017	3010989	17,224
1/25/2017	2289176	12,895	2/25/2017	2693610	130	3/25/2017	3026773	15,784
1/26/2017	2321916	32,740	2/26/2017	2697000	3,390	3/26/2017	3038021	11,248
1/27/2017	2341180	19,264	2/27/2017	2703723	6,723	3/27/2017	3046711	8,690
1/28/2017	2358780	17,600	2/28/2017	2705963	2,240	3/28/2017	3055500	8,789
1/29/2017	2366960	8,180				3/29/2017	3067315	11,815
1/30/2017	2381502	14,542				3/30/2017	3079369	12,054
1/31/2017	2402643	21,141	Total Gallons Pumped for February 303,320			3/31/2017	3088530	9,161
Total Gallons Pumped for January		529,171				Total Gallons Pumped for March		365,659
						Total for the Quarter		1,198,150

Table 1
Canyon Mine Daily Volume of Water Pumped from Underground Mining Areas during 2017

Date	Flow Meter Reading	Gallons Pumped (GA/D)	Date	Flow Meter Reading	Gallons Pumped (GA/D)	Date	Flow Meter Reading	Gallons Pumped (GA/D)
Second Quarter 2017								
April 2017			May 2017			June 2017		
4/1/2017	No Operations	0	5/1/2017	3654175	84,398	6/1/2017	4820950	26533
4/2/2017	No Operations	0	5/2/2017	3729678	75,503	6/2/2017	No Operations	0
4/3/2017	3110282	21,752	5/3/2017	3808593	78,915	6/3/2017	No Operations	0
4/4/2017	3121627	11,345	5/4/2017	3856042	47,449	6/4/2017	No Operations	0
4/5/2017	3130571	8,944	5/5/2017	No Operations	0	6/5/2017	4958924	137,974
4/6/2017	3137912	7,341	5/6/2017	3879020	22,978	6/6/2017	4992124	33,200
4/7/2017	No Operations	0	5/7/2017	No Operations	0	6/7/2017	5022823	30,699
4/8/2017	No Operations	0	5/8/2017	3995484	116,464	6/8/2017	5054210	31,387
4/9/2017	No Operations	0	5/9/2017	4053896	58,412	6/9/2017	No Operations	0
4/10/2017	3164344	26,432	5/10/2017	4078481	24,585	6/10/2017	No Operations	0
4/11/2017	3171430	7,086	5/11/2017	4115179	36,698	6/11/2017	No Operations	0
4/12/2017	3177700	6,270	5/12/2017	4158575	43,396	6/12/2017	5187571	133,361
4/13/2017	3184207	6,507	5/13/2017	4160316	1,741	6/13/2017	5206755	19,184
4/14/2017	No Operations	0	5/14/2017	4168232	7,916	6/14/2017	5247123	40,368
4/15/2017	No Operations	0	5/15/2017	4212042	43,810	6/15/2017	5262390	15,267
4/16/2017	No Operations	0	5/16/2017	4298698	86,656	6/16/2017	No Operations	0
4/17/2017	3211273	27,066	5/17/2017	4350612	51,914	6/17/2017	No Operations	0
4/18/2017	No Operations	0	5/18/2017	4397542	46,930	6/18/2017	No Operations	0
4/19/2017	3222251	10,978	5/19/2017	No Operations	0	6/19/2017	5332528	70,138
4/20/2017	No Operations	0	5/20/2017	No Operations	0	6/20/2017	5402379	69,851
4/21/2017	No Operations	0	5/21/2017	No Operations	0	6/21/2017	5434038	31,659
4/22/2017	No Operations	0	5/22/2017	4511247	113,705	6/22/2017	5456363	22,325
4/23/2017	No Operations	0	5/23/2017	4550266	39,019	6/23/2017	No Operations	0
4/24/2017	3223681	1,430	5/24/2017	4586226	35,960	6/24/2017	5526624	70,261
4/25/2017	3224026	345	5/25/2017	No Operations	0	6/25/2017	5546557	19,933
4/26/2017	3225214	1,188	5/26/2017	No Operations	0	6/26/2017	5566337	19,780
4/27/2017	3307104	81,890	5/27/2017	No Operations	0	6/27/2017	5593254	26,917
4/28/2017	3403837	96,733	5/28/2017	No Operations	0	6/28/2017	5615141	21,887
4/29/2017	3488658	84,821	5/29/2017	No Operations	0	6/29/2017	5640428	25,287
4/30/2017	3569777	81,119	5/30/2017	4775560	189,334	6/30/2017	No Operations	0
			5/31/2017	4794417	18,857			
Total Gallons Pumped for April		481,247	Total Gallons Pumped for May		1,224,640	Total Gallons Pumped for June		819,478
						Total for the Quarter		2,525,365

Table 1
Canyon Mine Daily Volume of Water Pumped from Underground Mining Areas During 2017

Date	Flow Meter Reading	Gallons Pumped (GA/D)	Date	Flow Meter Reading	Gallons Pumped (GA/D)	Date	Flow Meter Reading	Pumped (GA/D)
Third Quarter 2017								
July 2017			August 2017			September 2017		
7/1/2017	No Operations	0	8/1/2017	6450628	21,649	9/1/2017	No Operations	0
7/2/2017	No Operations	0	8/2/2017	6480387	29,759	9/2/2017	No Operations	0
7/3/2017	No Operations	0	8/3/2017	6523520	43,133	9/3/2017	No Operations	0
7/4/2017	No Operations	0	8/4/2017	No Operations	0	9/4/2017	Meter Error*	0
7/5/2017	5794114	153,686	8/5/2017	No Operations	0	9/5/2017	Meter Error	0
7/6/2017	5820119	26,005	8/6/2017	No Operations	0	9/6/2017	Meter Error	0
7/7/2017	No Operations	0	8/7/2017	6637231	113,711	9/7/2017	Meter Error	0
7/8/2017	No Operations	0	8/8/2017	6655251	18,020	9/8/2017	No Operations	0
7/9/2017	No Operations	0	8/9/2017	6664836	9,585	9/9/2017	No Operations	0
7/10/2017	5915641	95,522	8/10/2017	6717653	52,817	9/10/2017	No Operations	0
7/11/2017	5946641	31,000	8/11/2017	No Operations	0	9/11/2017	Meter Error	0
7/12/2017	5962899	16,258	8/12/2017	No Operations	0	9/12/2017	15662000	453,700
7/13/2017	5979820	16,921	8/13/2017	No Operations	0	9/13/2017	Meter Error	0
7/14/2017	No Operations	0	8/14/2017	6850452	132,799	9/14/2017	Meter Error	0
7/15/2017	No Operations	0	8/15/2017	6875522	25,070	9/15/2017	No Operations	0
7/16/2017	No Operations	0	8/16/2017	No Operations	0	9/16/2017	No Operations	0
7/17/2017	6072421	92,601	8/17/2017	6938820	63,298	9/17/2017	No Operations	0
7/18/2017	6094652	22,231	8/18/2017	No Operations	0	9/18/2017	Meter Error	0
7/19/2017	6119397	24,745	8/19/2017	No Operations	0	9/19/2017	Meter Error	0
7/20/2017	6143546	24,149	8/20/2017	No Operations	0	9/20/2017	Meter Error	0
7/21/2017	No Operations	0	8/21/2017	7045619	106,799	9/21/2017	Meter Error	0
7/22/2017	No Operations	0	8/22/2017	7069836	24,217	9/22/2017	No Operations	0
7/23/2017	No Operations	0	8/23/2017	7098916	29,080	9/23/2017	No Operations	0
7/24/2017	6242360	98,814	8/24/2017	No Operations	0	9/24/2017	No Operations	0
7/25/2017	6260182	17,822	8/25/2017	No Operations	0	9/25/2017	16002400	340,400
7/26/2017	6281333	21,151	8/26/2017	No Operations	0	9/26/2017	16039000	36,600
7/27/2017	6311246	29,913	8/27/2017	No Operations	0	9/27/2017	No Operations	0
7/28/2017	No Operations	0	8/28/2017	7241776	142,860	9/28/2017	Meter Error	0
7/29/2017	No Operations	0	8/29/2017	7267556	25,780	9/29/2017	No Operations	0
7/30/2017	No Operations	0	8/30/2017	7299708	32,152	9/30/2017	No Operations	0
7/31/2017	6428979	117,733	8/31/2017	No Operations	0			
Total Gallons Pumped for July		788,551	Total Gallons Pumped for August		870,729	Total Gallons Pumped for September		830,700
*Backup meter used to determine volumes pumped from the mine sump.						Total for the Quarter		2,489,980

*Backup meter used to determine volumes pumped from the mine sump.

Table 1
Canyon Mine Daily Volume of Water Pumped from Underground Mining Areas During 2017

Date	Flow Meter Reading	Gallons Pumped (GA/D)	Date	Flow Meter Reading	Gallons Pumped (GA/D)	Date	Flow Meter Reading	Gallons Pumped (GA/D)
Fourth Quarter 2017								
October 2017			November 2017			December 2017		
10/1/2017	No Operations	0	11/1/2017	19816300*	0	12/1/2017	No Operations	0
10/2/2017	16204500*	0	11/2/2017	19838800	22,500	12/2/2017	No Operations	0
10/3/2017	16239700	35,200	11/3/2017	No Operations	0	12/3/2017	No Operations	0
10/4/2017	16276800	37,100	11/4/2017	No Operations	0	12/4/2017	2089800	120,800
10/5/2017	16301500	24,700	11/5/2017	No Operations	0	12/5/2017	2094400	4,600
10/6/2017	No Operations	0	11/6/2017	19970700	131,900	12/6/2017	2133400	39,000
10/7/2017	No Operations	0	11/7/2017	19997900	27,200	12/7/2017	2173700	40,300
10/8/2017	No Operations	0	11/8/2017	20028900	31,000	12/8/2017	No Operations	0
10/9/2017	16404600	103,100	11/9/2017	20087500	58,600	12/9/2017	No Operations	0
10/10/2017	16479600	75,000	11/10/2017	No Operations	0	12/10/2017	No Operations	0
10/11/2017	16521400	41,800	11/11/2017	No Operations	0	12/11/2017	2285200	111,500
10/12/2017	16560400	39,000	11/12/2017	No Operations	0	12/12/2017	2315900	30,700
10/13/2017	16586300	25,900	11/13/2017	20194300	106,800	12/13/2017	2342800	26,900
10/14/2017	16612300	26,000	11/14/2017	20224100	29,800	12/14/2017	2370000	27,200
10/15/2017	16642100	29,800	11/15/2017	20261100	37,000	12/15/2017	No Operations	0
10/16/2017	16677200	35,100	11/16/2017	20289500	28,400	12/16/2017	No Operations	0
10/17/2017	16704400	27,200	11/17/2017	No Operations	0	12/17/2017	No Operations	0
10/18/2017	16729300	24,900	11/18/2017	No Operations	0	12/18/2017	2486100	116,100
10/19/2017	16765000	35,700	11/19/2017	No Operations	0	12/19/2017	2513500	27,400
10/20/2017	No Operations	0	11/20/2017	20411400	121,900	12/20/2017	2530000	16,500
10/21/2017	No Operations	0	11/21/2017	1712100**	0	12/21/2017	2556500	26,500
10/22/2017	No Operations	0	11/22/2017	1742100	30,000	12/22/2017	No Operations	0
10/23/2017	16873500	108,500	11/23/2017	No Operations	0	12/23/2017	No Operations	0
10/24/2017	16910100	36,600	11/24/2017	No Operations	0	12/24/2017	No Operations	0
10/25/2017	16960300	50,200	11/25/2017	No Operations	0	12/25/2017	No Operations	0
10/26/2017	16962700	2,400	11/26/2017	No Operations	0	12/26/2017	No Operations	0
10/27/2017	No Operations	0	11/27/2017	1824400	82,300	12/27/2017	No Operations	0
10/28/2017	No Operations	0	11/28/2017	1916000	91,600	12/28/2017	2752300	195,800
10/29/2017	No Operations	0	11/29/2017	1936800	20,800	12/29/2017	No Operations	0
10/30/2017	17083300	120,600	11/30/2017	1969000	32,200	12/30/2017	No Operations	0
10/31/2017	17144300	61,000				12/31/2017	No Operations	0
Total Gallons Pumped for October		939,800	November		852,000	Total Gallons Pumped for December		783,300
						Total for the Quarter		2,575,100
						Total for the Year		8,788,595

* Backup flow meter used.

** New Flow Meter Installed

Table 2
Canyon Mine Non-Stormwater Impoundment Sample Summary

Analytes	Units	Q1 2017	Q2 2017	Q3 2017	Q4 2017
Metals					
Antimony (Total)	mg/L	0.0035	0.0026	0.0023	0.0049
Arsenic (Total)	mg/L	0.205	0.120	0.289	0.299
Barium (Total)	mg/L	0.060	0.044	0.045	0.144
Beryllium (Total)	mg/L	<0.00005	<0.0003	<0.00005	0.00007 J
Cadmium (Total)	mg/L	0.0004 J	0.0003 J	0.0005	0.001
Chromium III (Total)	mg/L	<0.01	<0.01	<0.01	<0.01
Cobalt (Total)	mg/L	0.0759	0.0526	0.0512	0.0629
Copper (Total)	mg/L	0.18	0.01 J	0.07	0.22
Iron (Total)	mg/L	0.92	0.30	1.80	3.77
Lead (Total)	mg/L	0.0029	0.0012	0.0069	0.0149
Manganese (Total)	mg/L	0.016 J	0.021 J	0.019 J	0.036
Mercury (Total)	mg/L	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (Total)	mg/L	0.206	0.132	0.136	0.200
Selenium (Total)	mg/L	0.0007	0.0013	0.0009	0.0012
Thallium (Total)	mg/L	0.0015	0.001	0.0011	0.0014
Uranium (dissolved)	mg/L	0.046	0.0788	0.0839	0.091
Uranium (total)	mg/L	0.0581	0.0753	0.0875	0.0988
Vanadium (Total)	mg/L	<0.005	<0.005	<0.005	<0.005
Zinc (Total)	mg/L	0.40	0.78	0.99	0.78
Radionuclides					
Gross Alpha (dissolved)	pCi/L	58 (±8.8)	65 (±9.6)	98 (±11)	110 (±13)
Radium 226 (dissolved)	pCi/L	7.8 (±0.32)	19 (±0.53)	16 (±0.49)	26 (±0.77)
Radium 228 (dissolved)	pCi/L	0.41 (±0.51)	-0.03 (±0.7)	-0.1 (±0.58)	0.31 (±0.81)
Uranium 234 (dissolved)	pCi/L	20 (±3.1)	50 (±5.1)	59 (±5.7)	63 (±5.5)
Uranium 235 (dissolved)	pCi/L	0.69 (±0.69)	0.56 (±5.1)	0.6 (±0.97)	1.3 (±1)
Uranium 238 (dissolved)	pCi/L	14.2 (±2.6)	23.2 (±3.5)	23.7 (±3.7)	27.5 (±3.7)
Major Ions					
Bicarbonate as HCO ₃	mg/L	213	207	201	218
Carbonate as CaCO ₃	mg/L	2.7	18.6 J	14.5 J	7.9 J
Alkalinity (Total)	mg/L	215	226	215	226
Calcium	mg/L	72.4	66.4	65.8	73.8
Fluoride	mg/L	0.30 J	0.32 J	0.24 J	0.23
Magnesium	mg/L	39.4	40.3	40.0	44.3
Potassium	mg/L	2.1	6.0	5.6	5.7
Sodium	mg/L	11.3	17.0	14.9	15.7
Sulfate	mg/L	118	124	130	137
Physical Properties					
Conductivity	umhos/cm	672 (f = 793.8)	697(f=684.4)	708(f=613)	728(f=617)
pH (field)	S.U.	5.62	6.05	7.66	6.25
Temperature (field)	C	10.25	15.82	15.96	13.68
ORP (field)	mV	432	507	225	209.6
TDS	mg/L	424	424	430	448
TSS	mg/L	12.0	<5	11.0 J	80.0 J

< - Indicates that the analyte was not detected 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

March 10, 2017

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

cc: David Turk

Project ID: 1Q2017 Canyon Sampling

ACZ Project ID: L35296

Kathy Weinel:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on January 31, 2017. This project has been assigned to ACZ's project number, L35296. Please reference this number in all future inquiries.

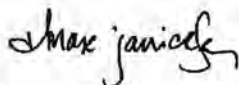
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L35296. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

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 April 09, 2017. 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: 1Q2017 Canyon Sampling

Sample ID: DISCHARGE

ACZ Sample ID: **L35296-01**

Date Sampled: 01/30/17 06:40

Date Received: 01/31/17

Sample Matrix: Ground Water

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Nitrogen, total Kjeldahl	M351.2 - Block Digestor								02/09/17 12:36	bce
Total Recoverable Digestion	M200.2 ICP								02/02/17 14:00	aeb
Total Recoverable Digestion	M200.2 ICP-MS								02/06/17 13:06	enb

Energy Fuels Resources (USA) Inc.

Project ID: 1Q2017 Canyon Sampling

Sample ID: DISCHARGE

ACZ Sample ID: **L35296-01**

Date Sampled: 01/30/17 06:40

Date Received: 01/31/17

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, total recoverable	M200.7 ICP	1	0.26		*	mg/L	0.03	0.2	02/08/17 23:35	aeb
Antimony, total recoverable	M200.8 ICP-MS	1	0.0035		*	mg/L	0.0004	0.002	02/07/17 17:26	enb
Arsenic, total recoverable	M200.8 ICP-MS	1	0.205			mg/L	0.0002	0.001	02/08/17 20:43	enb
Barium, total recoverable	M200.7 ICP	1	0.060			mg/L	0.003	0.02	02/08/17 23:35	aeb
Beryllium, total recoverable	M200.8 ICP-MS	1		U		mg/L	0.00005	0.0003	02/07/17 17:26	enb
Boron, total recoverable	M200.7 ICP	1	0.04	B		mg/L	0.01	0.05	02/10/17 15:44	aeb
Cadmium, total recoverable	M200.8 ICP-MS	1	0.0004	B		mg/L	0.0001	0.0005	02/07/17 17:26	enb
Calcium, total recoverable	M200.7 ICP	1	72.4			mg/L	0.1	0.5	02/08/17 23:35	aeb
Chromium, total recoverable	M200.7 ICP	1		U		mg/L	0.01	0.05	02/08/17 23:35	aeb
Cobalt, total recoverable	M200.8 ICP-MS	1	0.0759			mg/L	0.00005	0.0003	02/07/17 17:26	enb
Copper, total recoverable	M200.7 ICP	1	0.18			mg/L	0.01	0.05	02/08/17 23:35	aeb
Iron, total recoverable	M200.7 ICP	1	0.92			mg/L	0.02	0.05	02/08/17 23:35	aeb
Lead, total recoverable	M200.8 ICP-MS	1	0.0029			mg/L	0.0001	0.0005	02/07/17 17:26	enb
Magnesium, total recoverable	M200.7 ICP	1	39.4			mg/L	0.2	1	02/08/17 23:35	aeb
Manganese, total recoverable	M200.7 ICP	1	0.016	B		mg/L	0.005	0.03	02/08/17 23:35	aeb
Mercury, total	M245.1 CVAA	1		U		mg/L	0.0002	0.001	02/13/17 14:18	pta
Molybdenum, total recoverable	M200.8 ICP-MS	1	0.0543			mg/L	0.0005	0.003	02/08/17 20:43	enb
Nickel, total recoverable	M200.7 ICP	1	0.206			mg/L	0.008	0.04	02/08/17 23:35	aeb
Potassium, total recoverable	M200.7 ICP	1	2.1			mg/L	0.2	1	02/08/17 23:35	aeb
Selenium, total recoverable	M200.8 ICP-MS	1	0.0007			mg/L	0.0001	0.0003	02/07/17 17:26	enb
Silver, total recoverable	M200.8 ICP-MS	1	0.00019	B		mg/L	0.00005	0.0003	02/07/17 17:26	enb
Sodium, total recoverable	M200.7 ICP	1	11.3			mg/L	0.2	1	02/08/17 23:35	aeb
Thallium, total recoverable	M200.8 ICP-MS	1	0.0015			mg/L	0.0001	0.0005	02/07/17 17:26	enb
Tin, total recoverable	M200.7 ICP	1		U		mg/L	0.04	0.2	02/08/17 23:35	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.046			mg/L	0.0001	0.0005	02/13/17 15:25	enb
Uranium, total recoverable	M200.8 ICP-MS	1	0.0581			mg/L	0.0001	0.0005	02/07/17 17:26	enb
Vanadium, total recoverable	M200.7 ICP	1		U		mg/L	0.005	0.03	02/08/17 23:35	aeb
Zinc, total recoverable	M200.7 ICP	1	0.40			mg/L	0.01	0.05	02/08/17 23:35	aeb

Energy Fuels Resources (USA) Inc.

Project ID: 1Q2017 Canyon Sampling
Sample ID: DISCHARGE

ACZ Sample ID: **L35296-01**

Date Sampled: 01/30/17 06:40

Date Received: 01/31/17

Sample Matrix: Ground Water

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration									
Bicarbonate as CaCO ₃		1	213			mg/L	2	20	02/03/17 0:00	emk
Carbonate as CaCO ₃		1	2.7	B		mg/L	2	20	02/03/17 0:00	emk
Hydroxide as CaCO ₃		1		U		mg/L	2	20	02/03/17 0:00	emk
Total Alkalinity		1	215			mg/L	2	20	02/03/17 0:00	emk
Chemical Oxygen Demand	M410.4	1		U	*	mg/L	10	20	02/10/17 11:01	sck
Chloride	M300.0 - Ion Chromatography	5	24.8		*	mg/L	2.5	12.5	02/12/17 17:16	bsu
Conductivity @25C	SM2510B	1	672			umhos/cm	1	10	02/03/17 16:54	emk
Fluoride	M300.0 - Ion Chromatography	5	0.30	B	*	mg/L	0.25	1.25	02/12/17 17:16	bsu
Nitrate/Nitrite as N	M353.2 - H ₂ SO ₄ preserved	1	2.96		*	mg/L	0.02	0.1	02/18/17 15:44	pjb
Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	1	0.26		*	mg/L	0.05	0.2	02/06/17 13:46	bsu
Nitrogen, organic	M351.2 & M350.1 - TKN minus NH ₃			U		mg/L	0.1	0.5	03/10/17 0:00	calc
Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	1	0.2	B	*	mg/L	0.1	0.5	02/09/17 22:53	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	424			mg/L	10	20	02/01/17 15:11	emk
Residue, Non-Filterable (TSS) @105C	SM2540D	1	12.0	B	*	mg/L	5	20	02/01/17 15:26	emk
Sulfate	M300.0 - Ion Chromatography	5	118			mg/L	2.5	12.5	02/12/17 17:16	bsu
Sulfide as S	SM4500S2-D	1		U	*	mg/L	0.02	0.1	01/31/17 14:51	abd

Arizona license number: AZ0102


Report Header Explanations

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

QC Sample Types

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

<i>B</i>	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
<i>H</i>	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
<i>L</i>	Target analyte response was below the laboratory defined negative threshold.
<i>U</i>	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:

<http://www.acz.com/public/extqualist.pdf>

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L35296

Alkalinity as CaCO3

SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417346													
WG417346PBW1	PBW	02/03/17 16:06				U	mg/L		-20	20			
WG417346LCSW3	LCSW	02/03/17 16:22	WC170203-1	820.0001		798	mg/L	97	90	110			
L35309-01DUP	DUP	02/03/17 17:30			189	189	mg/L				0	20	
WG417346LCSW6	LCSW	02/03/17 18:49	WC170203-1	820.0001		811	mg/L	99	90	110			
WG417346PBW2	PBW	02/03/17 18:55				U	mg/L		-20	20			
WG417346LCSW9	LCSW	02/03/17 21:59	WC170203-1	820.0001		802	mg/L	98	90	110			
WG417346PBW3	PBW	02/03/17 22:06				U	mg/L		-20	20			
WG417346LCSW12	LCSW	02/04/17 1:25	WC170203-1	820.0001		819	mg/L	100	90	110			
WG417346PBW4	PBW	02/04/17 1:32				U	mg/L		-20	20			
WG417346LCSW15	LCSW	02/04/17 3:34	WC170203-1	820.0001		808	mg/L	99	90	110			

Aluminum, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	2		2.052	mg/L	103	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.09	0.09			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.066	0.066			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	1.0013		.983	mg/L	98	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	1.0013	.17	1.603	mg/L	143	70	130			M1
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	1.0013	.17	1.689	mg/L	152	70	130	5	20	M1

Antimony, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417466													
WG417466ICV	ICV	02/07/17 16:45	MS161128-3	.02		.01794	mg/L	90	90	110			
WG417466ICB	ICB	02/07/17 16:48				.00057	mg/L		-0.0012	0.0012			
WG417376LRB	LRB	02/07/17 16:51				U	mg/L		-0.00088	0.00088			
WG417376LFB	LFB	02/07/17 16:54	MS170117-3	.009980001		.01135	mg/L	114	85	115			
L35290-06LFM	LFM	02/07/17 17:10	MS170117-3	.009980001	.0004	.01349	mg/L	131	70	130			M1
L35290-06LFMD	LFMD	02/07/17 17:14	MS170117-3	.009980001	.0004	.01351	mg/L	131	70	130	0	20	M1

Arsenic, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417558													
WG417558ICV	ICV	02/08/17 20:14	MS161128-3	.05		.05168	mg/L	103	90	110			
WG417558ICB	ICB	02/08/17 20:17				U	mg/L		-0.0006	0.0006			
WG417376LRB	LRB	02/08/17 20:20				U	mg/L		-0.00044	0.00044			
WG417376LFB	LFB	02/08/17 20:23	MS170117-3	.0501		.04749	mg/L	95	85	115			
L35290-06LFM	LFM	02/08/17 20:36	MS170117-3	.0501	.0008	.04975	mg/L	98	70	130			
L35290-06LFMD	LFMD	02/08/17 20:40	MS170117-3	.0501	.0008	.04857	mg/L	95	70	130	2	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L35296**

Barium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	2		1.9933	mg/L	100	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.009	0.009			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.0066	0.0066			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	.5005		.4748	mg/L	95	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	.5005	.05	.5127	mg/L	92	70	130			
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	.5005	.05	.5352	mg/L	97	70	130	4	20	

Beryllium, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417466													
WG417466ICV	ICV	02/07/17 16:45	MS161128-3	.05		.04546	mg/L	91	90	110			
WG417466ICB	ICB	02/07/17 16:48				U	mg/L		-0.00015	0.00015			
WG417376LRB	LRB	02/07/17 16:51				U	mg/L		-0.00011	0.00011			
WG417376LFB	LFB	02/07/17 16:54	MS170117-3	.05035		.0461	mg/L	92	85	115			
L35290-06LFM	LFM	02/07/17 17:10	MS170117-3	.05035	U	.05077	mg/L	101	70	130			
L35290-06LFMD	LFMD	02/07/17 17:14	MS170117-3	.05035	U	.05034	mg/L	100	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
WG417582													
WG417582ICV	ICV	02/10/17 15:03	II170201-1	2		2.003	mg/L	100	95	105			
WG417582ICB	ICB	02/10/17 15:09				U	mg/L		-0.03	0.03			
WG417238LRB	LRB	02/10/17 15:22				U	mg/L		-0.022	0.022			
WG417238LFB	LFB	02/10/17 15:25	II170130-2	.5005		.481	mg/L	96	85	115			
L35284-01LFM	LFM	02/10/17 15:32	II170130-2	.5005	.04	.521	mg/L	96	70	130			
L35284-01LFMD	LFMD	02/10/17 15:35	II170130-2	.5005	.04	.517	mg/L	95	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
WG417466													
WG417466ICV	ICV	02/07/17 16:45	MS161128-3	.05		.04575	mg/L	92	90	110			
WG417466ICB	ICB	02/07/17 16:48				U	mg/L		-0.0003	0.0003			
WG417376LRB	LRB	02/07/17 16:51				U	mg/L		-0.00022	0.00022			
WG417376LFB	LFB	02/07/17 16:54	MS170117-3	.05005		.04557	mg/L	91	85	115			
L35290-06LFM	LFM	02/07/17 17:10	MS170117-3	.05005	U	.0516	mg/L	103	70	130			
L35290-06LFMD	LFMD	02/07/17 17:14	MS170117-3	.05005	U	.05127	mg/L	102	70	130	1	20	

Calcium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	100		103	mg/L	103	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.3	0.3			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.22	0.22			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	67.99026		69.63	mg/L	102	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	67.99026	70.9	137.4	mg/L	98	70	130			
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	67.99026	70.9	143.1	mg/L	106	70	130	4	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L35296**

Chemical Oxygen Demand M410.4

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417664													
WG417664ICV	ICV	02/10/17 9:55	WC161013-8	200		197	mg/L	99	90	110			
WG417664ICB	ICB	02/10/17 10:02				U	mg/L		-10	10			
WG417664LRB	LRB	02/10/17 10:09				U	mg/L		-10	10			
WG417664LFB	LFB	02/10/17 10:17	WC161013-7	50		51	mg/L	102	90	110			
L35354-02DUP	DUP	02/10/17 11:53			U	U	mg/L				0	20	RA
L35354-02AS	AS	02/10/17 12:01	WC161013-7	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
WG417228													
WG417228ICV	ICV	01/31/17 16:14	WI170131-9	20.02		19.6	mg/L	98	90	110			
WG417228ICB	ICB	01/31/17 16:32				U	mg/L		-0.5	0.5			
WG417722													
WG417722LFB1	LFB	02/12/17 13:59	WI160802-5	30		31.6	mg/L	105	90	110			
L34324-01DUP	DUP	02/12/17 14:35			U	U	mg/L				0	20	RA
L35284-01AS	AS	02/12/17 15:28	WI160802-5	150	25	186	mg/L	107	90	110			
WG417722LFB2	LFB	02/12/17 22:38	WI160802-5	30		31.7	mg/L	106	90	110			

Chromium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	2		1.96	mg/L	98	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.03	0.03			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.022	0.022			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	.5025		.479	mg/L	95	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	.5025	U	.456	mg/L	91	70	130			
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	.5025	U	.473	mg/L	94	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
WG417466													
WG417466ICV	ICV	02/07/17 16:45	MS161128-3	.05		.04662	mg/L	93	90	110			
WG417466ICB	ICB	02/07/17 16:48				U	mg/L		-0.00015	0.00015			
WG417376LRB	LRB	02/07/17 16:51				U	mg/L		-0.00011	0.00011			
WG417376LFB	LFB	02/07/17 16:54	MS170117-3	.05005		.04497	mg/L	90	85	115			
L35290-06LFM	LFM	02/07/17 17:10	MS170117-3	.05005	.00026	.04946	mg/L	98	70	130			
L35290-06LFMD	LFMD	02/07/17 17:14	MS170117-3	.05005	.00026	.05028	mg/L	100	70	130	2	20	

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417346													
WG417346LCSW2	LCSW	02/03/17 16:10	PCN51547	1410		1460	umhos/cm	104	90	110			
L35309-01DUP	DUP	02/03/17 17:30			420	419	umhos/cm				0	20	
WG417346LCSW5	LCSW	02/03/17 18:36	PCN51547	1410		1420	umhos/cm	101	90	110			
WG417346LCSW8	LCSW	02/03/17 21:47	PCN51547	1410		1380	umhos/cm	98	90	110			
WG417346LCSW11	LCSW	02/04/17 1:12	PCN51547	1410		1460	umhos/cm	104	90	110			
WG417346LCSW14	LCSW	02/04/17 3:22	PCN51547	1410		1480	umhos/cm	105	90	110			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L35296**

Copper, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	2		2.01	mg/L	101	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.03	0.03			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.022	0.022			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	.5005		.472	mg/L	94	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	.5005	.12	.589	mg/L	94	70	130			
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	.5005	.12	.62	mg/L	100	70	130	5	20	

Fluoride

M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417228													
WG417228ICV	ICV	01/31/17 16:14	WI170131-9	3.996		3.99	mg/L	100	90	110			
WG417722													
WG417722LFB1	LFB	02/12/17 13:59	WI160802-5	1.5		1.55	mg/L	103	90	110			
L34324-01DUP	DUP	02/12/17 14:35			U	U	mg/L				0	20	RA
L35284-01AS	AS	02/12/17 15:28	WI160802-5	7.5	.31	8.19	mg/L	105	90	110			
WG417722LFB2	LFB	02/12/17 22:38	WI160802-5	1.5		1.6	mg/L	107	90	110			

Iron, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	2		1.989	mg/L	99	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.06	0.06			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.044	0.044			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	1.0017		1.023	mg/L	102	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	1.0017	.82	1.847	mg/L	103	70	130			
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	1.0017	.82	1.94	mg/L	112	70	130	5	20	

Lead, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417466													
WG417466ICV	ICV	02/07/17 16:45	MS161128-3	.05		.0467	mg/L	93	90	110			
WG417466ICB	ICB	02/07/17 16:48				U	mg/L		-0.0003	0.0003			
WG417376LRB	LRB	02/07/17 16:51				U	mg/L		-0.00022	0.00022			
WG417376LFB	LFB	02/07/17 16:54	MS170117-3	.0501		.04531	mg/L	90	85	115			
L35290-06LFM	LFM	02/07/17 17:10	MS170117-3	.0501	.0001	.05215	mg/L	104	70	130			
L35290-06LFMD	LFMD	02/07/17 17:14	MS170117-3	.0501	.0001	.05229	mg/L	104	70	130	0	20	

Magnesium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	100		103.4	mg/L	103	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.6	0.6			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.44	0.44			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	50.00074		46.67	mg/L	93	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	50.00074	38.6	83.68	mg/L	90	70	130			
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	50.00074	38.6	87.22	mg/L	97	70	130	4	20	

Energy Fuels Resources (USA) Inc.
ACZ Project ID: L35296
Manganese, total recoverable
M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	2		1.965	mg/L	98	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.015	0.015			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.011	0.011			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	.5		.4804	mg/L	96	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	.5	.016	.4809	mg/L	93	70	130			
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	.5	.016	.5039	mg/L	98	70	130	5	20	

Mercury, total
M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417652													
WG417652ICV	ICV	02/13/17 14:09	HG170127-2	.005005		.0048	mg/L	96	95	105			
WG417652ICB	ICB	02/13/17 14:10				U	mg/L		-0.0002	0.0002			
WG417652LRB	LRB	02/13/17 14:11				U	mg/L		-0.00044	0.00044			
WG417652LFB	LFB	02/13/17 14:12	HG170209-3	.002002		.00204	mg/L	102	85	115			
L35284-01LFM	LFM	02/13/17 14:14	HG170209-3	.002002	U	.00205	mg/L	102	85	115			
L35284-01LFMD	LFMD	02/13/17 14:15	HG170209-3	.002002	U	.00204	mg/L	102	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
WG417558													
WG417558ICV	ICV	02/08/17 20:14	MS161128-3	.01998		.02099	mg/L	105	90	110			
WG417558ICB	ICB	02/08/17 20:17				U	mg/L		-0.0015	0.0015			
WG417376LRB	LRB	02/08/17 20:20				U	mg/L		-0.0011	0.0011			
WG417376LFB	LFB	02/08/17 20:23	MS170117-3	.0501		.04872	mg/L	97	85	115			
L35290-06LFM	LFM	02/08/17 20:36	MS170117-3	.0501	.0119	.06362	mg/L	103	70	130			
L35290-06LFMD	LFMD	02/08/17 20:40	MS170117-3	.0501	.0119	.06431	mg/L	105	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
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	2.002		2.0922	mg/L	105	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.024	0.024			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.0176	0.0176			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	.498		.4857	mg/L	98	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	.498	.201	.6655	mg/L	93	70	130			
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	.498	.201	.6932	mg/L	99	70	130	4	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
WG418107													
WG418107ICV	ICV	02/18/17 15:32	WI161209-3	2.416		2.469	mg/L	102	90	110			
WG418107ICB	ICB	02/18/17 15:33				U	mg/L		-0.02	0.02			
WG418107LFB1	LFB	02/18/17 15:37	WI170104-22	2		1.984	mg/L	99	90	110			
L35284-01AS	AS	02/18/17 15:39	WI170104-22	2	.92	2.878	mg/L	98	90	110			
WG418107LFB2	LFB	02/18/17 16:16	WI170104-22	2		1.988	mg/L	99	90	110			
L35284-02DUP	DUP	02/18/17 16:35			11.1	11.05	mg/L				0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L35296**
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
WG417395													
WG417395ICV	ICV	02/06/17 12:29	WI170103-8	11.988		11.822	mg/L	99	90	110			
WG417395ICB	ICB	02/06/17 12:31				U	mg/L		-0.05	0.05			
WG417417													
WG417417LFB	LFB	02/06/17 13:34	WI161026-1	10		10.381	mg/L	104	90	110			
L35275-01AS	AS	02/06/17 13:37	WI161026-1	10	U	10.246	mg/L	102	90	110			
L35275-02DUP	DUP	02/06/17 13:40			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
WG417643													
WG417643ICV	ICV	02/09/17 22:37	WI170126-11	4		3.74	mg/L	94	90	110			
WG417643ICB	ICB	02/09/17 22:38				U	mg/L		-0.1	0.1			
WG417572LRB	LRB	02/09/17 22:39				U	mg/L		-0.1	0.1			
WG417572LFB	LFB	02/09/17 22:40	WI170126-7	2.5		2.4	mg/L	96	90	110			
L35284-01LFM	LFM	02/09/17 22:47	WI170126-7	2.5	.2	2.55	mg/L	94	90	110			
L35284-03DUP	DUP	02/09/17 22:49			U	U	mg/L				0	20	RA

Potassium, total recoverable
M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	20		20.36	mg/L	102	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.6	0.6			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.44	0.44			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	99.96532		97.94	mg/L	98	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	99.96532	2.1	98.44	mg/L	96	70	130			
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	99.96532	2.1	102.1	mg/L	100	70	130	4	20	

Residue, Filterable (TDS) @180C
SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417216													
WG417216PBW	PBW	02/01/17 14:30				U	mg/L		-20	20			
WG417216LCSW	LCSW	02/01/17 14:32	PCN52089	260		258	mg/L	99	80	120			
L35305-06DUP	DUP	02/01/17 15:30			2730	2740	mg/L				0	10	

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

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417218													
WG417218PBW	PBW	02/01/17 14:30				U	mg/L		-15	15			
WG417218LCSW	LCSW	02/01/17 14:33	PCN52089	160		150	mg/L	94	80	120			
L35294-01DUP	DUP	02/01/17 15:30			U	U	mg/L				0	10	RA

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L35296**

Selenium, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417466													
WG417466ICV	ICV	02/07/17 16:45	MS161128-3	.05		.04515	mg/L	90	90	110			
WG417466ICB	ICB	02/07/17 16:48				U	mg/L		-0.0003	0.0003			
WG417376LRB	LRB	02/07/17 16:51				U	mg/L		-0.00022	0.00022			
WG417376LFB	LFB	02/07/17 16:54	MS170117-3	.05005		.04344	mg/L	87	85	115			
L35290-06LFM	LFM	02/07/17 17:10	MS170117-3	.05005	.0008	.0488	mg/L	96	70	130			
L35290-06LFMD	LFMD	02/07/17 17:14	MS170117-3	.05005	.0008	.04884	mg/L	96	70	130	0	20	

Silver, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417466													
WG417466ICV	ICV	02/07/17 16:45	MS161128-3	.02004		.018	mg/L	90	90	110			
WG417466ICB	ICB	02/07/17 16:48				U	mg/L		-0.00015	0.00015			
WG417376LRB	LRB	02/07/17 16:51				U	mg/L		-0.00011	0.00011			
WG417376LFB	LFB	02/07/17 16:54	MS170117-3	.01001		.008814	mg/L	88	85	115			
L35290-06LFM	LFM	02/07/17 17:10	MS170117-3	.01001	U	.0092	mg/L	92	70	130			
L35290-06LFMD	LFMD	02/07/17 17:14	MS170117-3	.01001	U	.009319	mg/L	93	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
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	100		104.2	mg/L	104	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.6	0.6			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.44	0.44			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	100.0322		99.99	mg/L	100	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	100.0322	11	108.9	mg/L	98	70	130			
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	100.0322	11	113.2	mg/L	102	70	130	4	20	

Sulfate

M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417228													
WG417228ICV	ICV	01/31/17 16:14	WI170131-9	50		50.3	mg/L	101	90	110			
WG417228ICB	ICB	01/31/17 16:32				U	mg/L		-0.5	0.5			
WG417722													
WG417722LFB1	LFB	02/12/17 13:59	WI160802-5	30		30.4	mg/L	101	90	110			
L34324-01DUP	DUP	02/12/17 14:35			4100	4110	mg/L				0	20	
L35284-01AS	AS	02/12/17 15:28	WI160802-5	150	113	270	mg/L	105	90	110			
WG417722LFB2	LFB	02/12/17 22:38	WI160802-5	30		30.5	mg/L	102	90	110			

Sulfide as S

SM4500S2-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417147													
WG417147ICV	ICV	01/31/17 14:20	WC170130-3	.312		.314	mg/L	101	90	110			
WG417147ICB	ICB	01/31/17 14:24				U	mg/L		-0.06	0.06			
WG417147LFB	LFB	01/31/17 14:29	WC170130-6	.2542267		.284	mg/L	112	80	120			
L35296-01AS	AS	01/31/17 14:56	WC170130-6	.2542267	U	.137	mg/L	54	75	125			M2
L35296-01DUP	DUP	01/31/17 15:00			U	U	mg/L				0	20	RA

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L35296**

Thallium, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417466													
WG417466ICV	ICV	02/07/17 16:45	MS161128-3	.05		.04926	mg/L	99	90	110			
WG417466ICB	ICB	02/07/17 16:48				U	mg/L		-0.0003	0.0003			
WG417376LRB	LRB	02/07/17 18:51				U	mg/L		-0.00022	0.00022			
WG417376LFB	LFB	02/07/17 18:54	MS170117-3	.0501		.04686	mg/L	94	85	115			
L35290-06LFM	LFM	02/07/17 17:10	MS170117-3	.0501	U	.05277	mg/L	105	70	130			
L35290-06LFMD	LFMD	02/07/17 17:14	MS170117-3	.0501	U	.0526	mg/L	105	70	130	0	20	

Tin, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	2		1.994	mg/L	100	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.12	0.12			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.088	0.088			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	1.001		.983	mg/L	98	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	1.001	U	.946	mg/L	95	70	130			
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	1.001	U	.965	mg/L	96	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
WG417763													
WG417763ICV	ICV	02/13/17 15:09	MS161128-3	.05		.052	mg/L	104	90	110			
WG417763ICB	ICB	02/13/17 15:13				U	mg/L		-0.0003	0.0003			
WG417763LFB	LFB	02/13/17 15:16	MS170117-3	.05		.05066	mg/L	101	85	115			
L35332-04AS	AS	02/13/17 15:54	MS170117-3	.1	U	.10176	mg/L	102	70	130			
L35332-04ASD	ASD	02/13/17 15:57	MS170117-3	.1	U	.10192	mg/L	102	70	130	0	20	

Uranium, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417466													
WG417466ICV	ICV	02/07/17 16:45	MS161128-3	.05		.04734	mg/L	95	90	110			
WG417466ICB	ICB	02/07/17 16:48				U	mg/L		-0.0003	0.0003			
WG417376LRB	LRB	02/07/17 18:51				U	mg/L		-0.00022	0.00022			
WG417376LFB	LFB	02/07/17 18:54	MS170117-3	.05		.04684	mg/L	94	85	115			
L35290-06LFM	LFM	02/07/17 17:10	MS170117-3	.05	.0013	.05787	mg/L	113	70	130			
L35290-06LFMD	LFMD	02/07/17 17:14	MS170117-3	.05	.0013	.05794	mg/L	113	70	130	0	20	

Vanadium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	2		2.0402	mg/L	102	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.015	0.015			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.011	0.011			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	.4985		.4957	mg/L	99	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	.4985	U	.4756	mg/L	95	70	130			
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	.4985	U	.4945	mg/L	99	70	130	4	20	

Energy Fuels Resources (USA) Inc.ACZ Project ID: **L35296****Zinc, total recoverable**

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG417548													
WG417548ICV	ICV	02/08/17 22:34	II170201-1	2		1.941	mg/L	97	95	105			
WG417548ICB	ICB	02/08/17 22:40				U	mg/L		-0.03	0.03			
WG417238LRB	LRB	02/08/17 22:53				U	mg/L		-0.022	0.022			
WG417238LFB	LFB	02/08/17 22:56	II170130-2	.4942		.494	mg/L	100	85	115			
L35284-01LFM	LFM	02/08/17 23:03	II170130-2	.4942	.37	.838	mg/L	95	70	130			
L35284-01LFMD	LFMD	02/08/17 23:06	II170130-2	.4942	.37	.862	mg/L	100	70	130	3	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L35296

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L35296-01	WG417548	Aluminum, total recoverable	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG417466	Antimony, total recoverable	M200.8 ICP-MS	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG417664	Chemical Oxygen Demand	M410.4	QB	Method-specified preservation criteria cannot be met due to sample matrix.
			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).
	WG417722	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).
	WG418107	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG417417	Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
			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).
	WG417643	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).
	WG417218	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).
	WG417147	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	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
			SM4500S2-D	QD	Reported value is the background-corrected concentration, as described by the method.
			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: 1Q2017 Canyon Sampling
Sample ID: DISCHARGE
Locator:

ACZ Sample ID: **L35296-01**
Date Sampled: 01/30/17 6:40
Date Received: 01/31/17
Sample Matrix: Ground Water

Combined Radium

Prep Method:

Calculation (RA226 + RA228)

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium	03/10/17 16:04		12			pCi/L		calc

Gross Alpha & Beta, total

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	02/10/17 0:00		55	8.7	8.6	pCi/L	*	ism
Gross Beta	02/10/17 0:00		54	6	6.7	pCi/L		ism

Gross Alpha, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, dissolved	02/10/17 0:00		58	8.8	3.9	pCi/L	*	ism

Radium 226

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226	02/28/17 0:20		12	0.41	0.15	pCi/L		tjr

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	02/28/17 0:00		7.8	0.32	0.11	pCi/L		tjr

Radium 228

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228	03/09/17 15:24		0.12	0.48	0.51	pCi/L		tjr

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.

Project ID: 1Q2017 Canyon Sampling

Sample ID: DISCHARGE

Locator:

ACZ Sample ID: **L35296-01**

Date Sampled: 01/30/17 6:40

Date Received: 01/31/17

Sample Matrix: Ground Water

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	03/09/17 15:24		0.41	0.51	0.52	pCi/L		tjr

Uranium, Isotopic dissolved

Prep Method:

Eichrom ACW03

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234	02/15/17 0:10		20	3.1	0.86	pCi/L	*	djc
Uranium 235	02/15/17 0:10		0.69	0.69	0.86	pCi/L	*	djc
Uranium 238	02/15/17 0:10		14.2	2.6	0.86	pCi/L	*	djc


Report Header Explanations

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

QC Sample Types

<i>DUP</i>	Sample Duplicate	<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>PBS</i>	Prep Blank - Soil
<i>LCSW</i>	Laboratory Control Sample - Water	<i>PBW</i>	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.
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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:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L35296

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
WG417881																
L35251-04MS	MS	02/10/17	PCN52271	100	5.6	3.4	8.7	79	10	4.1	73	83	133			M2
WG417205LCSWA	LCSW	02/10/17	PCN52271	100				110	9.1	3.6	110	83	133			
WG417205PBW	PBW	02/10/17						.76	1.4	3.6			7.2			
L35296-01DUP	DUP-RER	02/10/17			55	8.7	8.6	76	10	4.9				1.58	2	

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
WG417881																
L35296-01DUP	DUP-RER	02/10/17			54	6	6.7	51	5.9	19				0.36	2	
L35296-01MS	MS	02/10/17	PCN51812	100	54	6	6.7	150	8.9	22	96	70	129			
WG417205LCSW	LCSW	02/10/17	PCN51812	100				110	6.6	5	110	70	129			
WG417205PBW	PBW	02/10/17						1.7	2.9	8.4			16.8			

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
WG417884																
WG417205PBW	PBW	02/10/17						.76	1.4	3.6			7.2			
L35206-01DUP	DUP-RER	02/10/17			1.6	2.5	3.7	1.3	2.5	5.6				0.08	2	
L35296-01DUP	DUP-RER	02/10/17			58	8.8	3.9	76	10	4.9				1.35	2	
WG417205LCSWA	LCSW	02/10/17	PCN52271	100				110	9.1	3.6	110	83	133			
L35251-04MS	MS	02/10/17	PCN52271	100	5.6	3.4	8.7	79	10	4.1	73	83	133			M2

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L35296**

Radium 226

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
WG418692																
WG417877PBW	PBW	02/28/17						.11	0.08	0.07			0.14			
WG417877LCSW	LCSW	02/28/17	PCN52689	20				20	0.51	0.09	100	43	148			
L35281-01DUP	DUP-RER	02/28/17			0.22	0.11	0.17	.11	0.09	0.13				0.77	2	
L35281-02DUP	DUP-RER	02/28/17			0.17	0.1	0.16	.25	0.1	0.18				0.56	2	
L35281-03MS	MS	02/28/17	PCN52689	20	0.12	0.08	0.12	16	0.46	0.19	79	43	148			

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
WG418694																
WG417877LCSW	LCSW	02/28/17	PCN52689	20				20	0.51	0.09	100	43	148			
L35281-03MS	MS	02/28/17	PCN52689	20	0.12	0.08	0.12	16	0.46	0.19	79	43	148			
WG417877PBW	PBW	02/28/17						.11	0.08	0.07			0.14			

Radium 228

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
WG419274																
WG418339PBW	PBW	03/09/17						.25	0.28	0.28			0.56			
WG418339LCSW	LCSW	03/09/17	PCN52272	19.1				13	1.1	0.52	68	47	123			
L35364-03MS	MS	03/10/17	PCN52272	19.09	4.8	0.74	0.5	15	1.1	0.5	53	47	123			
L35364-02DUP	DUP-RER	03/10/17			2.3	0.63	0.51	3.4	0.67	0.49				1.2	2	
L35362-01DUP	DUP-RER	03/10/17			2.1	0.61	0.51	3.8	0.73	0.55				1.79	2	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L35296**

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
WG419275																
WG418339LCSW	LCSW	03/09/17	PCN52272	19.1				13	1.1	0.52	88	47	123			
WG418339PBW	PBW	03/09/17						25	0.28	0.28			0.56			
L35364-03MS	MS	03/10/17	PCN52272	19.09	4.8	0.74	0.5	15	1.1	0.5	53	47	123			

Uranium 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
WG418004																
WG417404PBW	PBW	02/15/17						.39	0.7	0.85			1.7			
WG417404LCSW	LCSW	02/15/17	PCN50849	196				160	10	1.3	82	77	122			
L35117-01DUP	DUP-RER	02/15/17			-0.21	1	0.88	-37	0.87	0.81				0.12	2	
L35284-03MS	MS	02/15/17	PCN50849	196	0.88	1.2	0.96	170	10	1.2	86	77	122			

Uranium 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
WG418004																
WG417404PBW	PBW	02/15/17						-2	0.64	0.85			1.7			
WG417404LCSW	LCSW	02/15/17	PCN50849	8.97				4	1.8	1.3	45	42	136			
L35117-01DUP	DUP-RER	02/15/17			-0.4	0.42	0.88	0	0.55	0.81				0.58	2	
L35284-03MS	MS	02/15/17	PCN50849	8.97	-0.33	0.61	0.96	6.3	2.3	1.2	74	42	136			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L35296**

Uranium 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
WG418004																
WG417404PBW	PBW	02/15/17						.19	1	0.85			1.7			
WG417404LCSW	LCSW	02/15/17	PCN50849	195				196	11	1.3	101	87	124			
L35117-01DUP	DUP-RER	02/15/17			1.51	1	0.88	-25	0.8	0.81				1.37	2	
L35284-03MS	MS	02/15/17	PCN50849	195	-0.04	1.2	0.96	186	11	1.2	95	87	124			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L35296**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L35296-01	WG417881	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG417884	Gross Alpha, dissolved	M900.0	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: **L35296**

Radiochemistry

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

Uranium 234	Eichrom ACW03
Uranium 235	Eichrom ACW03
Uranium 238	Eichrom ACW03

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

Uranium 234	Eichrom ACW03
Uranium 235	Eichrom ACW03
Uranium 238	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
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Energy Fuels Resources (USA) Inc.
1Q2017 Canyon Sampling

ACZ Project ID: L35296
Date Received: 01/31/2017 09:07
Received By:
Date Printed: 1/31/2017

Receipt Verification

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

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	☒	☐	☐
9) Are all labels on containers and are they intact and legible?	☒	☐	☐
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	☒	☐	☐
11) For preserved bottle types, was the pH checked and within limits? ¹	☒	☐	☐
12) Is there sufficient sample volume to perform all requested work?	☒	☐	☐
13) Is the custody seal intact on all containers?	☐	☐	☒
14) Are samples that require zero headspace acceptable?	☐	☐	☒
15) Are all sample containers appropriate for analytical requirements? L35296-01 : A Orange container not received and the associated analysis could not be run.	☐	☒	☐
16) Is there an Hg-1631 trip blank present?	☐	☐	☒
17) Is there a VOA trip blank present?	☐	☐	☒
18) Were all samples received within hold time?	☒	☐	☐

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Temp Criteria (°C)	Rad (µR/Hr)	Custody Seal Intact?
3867	1.8	<=6.0	16	Yes

Was ice present in the shipment container(s)?

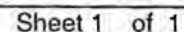
Yes - Wet ice was present in the shipment container(s).

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

Energy Fuels Resources (USA) Inc.
1Q2017 Canyon Sampling

ACZ Project ID: L35296
Date Received: 01/31/2017 09:07
Received By:
Date Printed: 1/31/2017

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).



CHAIN OF CUSTODY

Contact: David Turk
Ph: 435 678 4113
dturk@energyfuels.com

[illegible]

Relinquished By:(Signature) 	Date/Time 1200 0640	Received By:(Signature) 	Date/Time 1/31/17 0907
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

Account: EFRC/Energy Fuels Resources (USA)
Bottle Order: BO36484

Bill to Account: Bill to ACZ
Ship Date Requested: 11/11/2016
Request Placed at: 11/10/2016 14:32
Service Requested: UPS Ground

Sampling supplies

PACK	Qty	ACZ ID	Type	Description
	1	COC	Chain of Custody	Chain of Custody, 1 for 10 samples.
	2	SEAL	Custody Seal	Custody seals for cooler, two for each cooler.
	1	RETURN	Return Address	Return Address label, one for each cooler.
	24	LABELS	Sample Labels	ACZ supplied labels for sample containers

ACZ Coolers

PACK	Qty	ACZ ID	Size	Weight	UPS Tracking Number
	1	4687	Large	12	1Z8101300375121195

Quote number: CANYON-2016

Canyon Mine Shaft Sump Monitoring

Sample Quantity: 4

Client is responsible for necessary field filtering

PACK	Qty	Type	Size	Filter/Pre-preserved	Instructions
	1	GREEN CUBE	4 L	Filtered/Nitric	Radiochemistry (dissolved) - Filter sample with .45 micron filter. Do not overfill as there is Nitric Acid in the bottle.
	1	GREEN PC	125 ML	Green pre-cleaned Filtered/Nitric	Metals (dissolved including ICPMS) - Filter sample with .45 micron filter. Do not overfill as there is Nitric Acid in the bottle.
	1	GREEN RAD	1000 ML	Filtered/Nitric	Radiochemistry (dissolved) - Filter sample with .45 micron filter. Do not overfill as there is Nitric Acid in the bottle.
	1	RAW	500 ML	Raw	Wet Chemistry (analyses that do not require preservative or filtration) - Completely fill container.
	1	RED PC	250 ML	Red pre-cleaned Raw/Nitric	Metals (total including ICPMS) - Do not overfill as there is Nitric Acid in the bottle.
	1	WHITE	250 ML	Filtered	Wet chemistry (dissolved) - Filter sample with .45 micron filter. Completely fill container.

Prepared By/Date:

mjj

June 28, 2017

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: 2Q2017 Canyon Sampling

ACZ Project ID: L37306

Kathy Weinel:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 19, 2017. This project has been assigned to ACZ's project number, L37306. Please reference this number in all future inquiries.

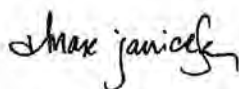
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L37306. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

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 July 28, 2017. 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.

June 28, 2017

Project ID: 2Q2017 Canyon Sampling

ACZ Project ID: L37306

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 1 ground water sample from Energy Fuels Resources (USA) Inc. on May 19, 2017. 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 L37306. 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 Radium-226 results for L37306-01 have been qualified with the N1 flag on the extended qualifier report. The chemist noted that the Barium tracer recovery for the sample duplicate (DUP) was outside standard acceptance limits, causing the duplicate precision assessment to also be outside acceptance limits. Insufficient sample remaining to perform reanalysis in hopes of achieving lower detection levels; comparison of results to historical levels and/or data qualification may be necessary.

Energy Fuels Resources (USA) Inc.

Project ID: 2Q2017 Canyon Sampling

Sample ID: DISCHARGE

ACZ Sample ID: **L37306-01**

Date Sampled: 05/18/17 07:10

Date Received: 05/19/17

Sample Matrix: Ground Water

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Nitrogen, total Kjeldahl	M351.2 - Block Digestor								06/08/17 10:34	jdk/bsu
Total Recoverable Digestion	M200.2 ICP								06/06/17 10:42	aeh
Total Recoverable Digestion	M200.2 ICP-MS								06/05/17 16:54	enb

Energy Fuels Resources (USA) Inc.

Project ID: 2Q2017 Canyon Sampling

Sample ID: DISCHARGE

ACZ Sample ID: **L37306-01**

Date Sampled: 05/18/17 07:10

Date Received: 05/19/17

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, total recoverable	M200.7 ICP	1		U		mg/L	0.03	0.2	06/07/17 10:59	aeH
Antimony, total recoverable	M200.8 ICP-MS	1	0.0026			mg/L	0.0004	0.002	06/06/17 20:58	enb
Arsenic, total recoverable	M200.8 ICP-MS	1	0.120			mg/L	0.0002	0.001	06/06/17 20:58	enb
Barium, total recoverable	M200.7 ICP	1	0.044			mg/L	0.003	0.02	06/07/17 10:59	aeH
Beryllium, total recoverable	M200.8 ICP-MS	1		U		mg/L	0.00005	0.0003	06/06/17 20:58	enb
Boron, total recoverable	M200.7 ICP	1	0.09			mg/L	0.01	0.05	06/07/17 10:59	aeH
Cadmium, total recoverable	M200.8 ICP-MS	1	0.0003	B		mg/L	0.0001	0.0005	06/06/17 20:58	enb
Calcium, total recoverable	M200.7 ICP	1	66.4			mg/L	0.1	0.5	06/07/17 10:59	aeH
Chromium, total recoverable	M200.7 ICP	1		U		mg/L	0.01	0.05	06/07/17 10:59	aeH
Cobalt, total recoverable	M200.8 ICP-MS	1	0.0526			mg/L	0.00005	0.0003	06/06/17 20:58	enb
Copper, dissolved	M200.7 ICP	1		U		mg/L	0.01	0.05	06/02/17 20:22	aeH
Copper, total recoverable	M200.7 ICP	1	0.01	B		mg/L	0.01	0.05	06/07/17 10:59	aeH
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	06/02/17 20:22	aeH
Iron, total recoverable	M200.7 ICP	1	0.30			mg/L	0.02	0.05	06/07/17 10:59	aeH
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/01/17 13:40	enb
Lead, total recoverable	M200.8 ICP-MS	1	0.0012			mg/L	0.0001	0.0005	06/06/17 20:58	enb
Magnesium, total recoverable	M200.7 ICP	1	40.3			mg/L	0.2	1	06/07/17 10:59	aeH
Manganese, total recoverable	M200.7 ICP	1	0.021	B		mg/L	0.005	0.03	06/07/17 10:59	aeH
Mercury, total	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/05/17 16:48	sck
Molybdenum, total recoverable	M200.8 ICP-MS	1	0.057			mg/L	0.0005	0.003	06/06/17 20:58	enb
Nickel, total recoverable	M200.7 ICP	1	0.132			mg/L	0.008	0.04	06/07/17 10:59	aeH
Potassium, total recoverable	M200.7 ICP	1	6.0			mg/L	0.2	1	06/07/17 10:59	aeH
Selenium, total recoverable	M200.8 ICP-MS	1	0.0011			mg/L	0.0001	0.0003	06/06/17 20:58	enb
Silica, total recoverable	M200.7 ICP	1	10.2		*	mg/L	0.2	1	06/07/17 10:59	aeH
Silver, dissolved	M200.8 ICP-MS	1		U		mg/L	0.00005	0.0003	06/01/17 20:38	msh
Silver, total recoverable	M200.8 ICP-MS	1		U		mg/L	0.00005	0.0003	06/06/17 20:58	enb
Sodium, total recoverable	M200.7 ICP	1	17.0			mg/L	0.2	1	06/07/17 10:59	aeH
Thallium, total recoverable	M200.8 ICP-MS	1	0.001			mg/L	0.0001	0.0005	06/07/17 15:46	enb
Tin, total recoverable	M200.7 ICP	1		U		mg/L	0.04	0.2	06/07/17 10:59	aeH
Uranium, dissolved	M200.8 ICP-MS	1	0.0788			mg/L	0.0001	0.0005	06/01/17 13:40	enb

Energy Fuels Resources (USA) Inc.

Project ID: 2Q2017 Canyon Sampling
Sample ID: DISCHARGE

ACZ Sample ID: **L37306-01**
Date Sampled: 05/18/17 07:10
Date Received: 05/19/17
Sample Matrix: Ground Water

Uranium, total recoverable	M200.8 ICP-MS	1	0.0753		mg/L	0.0001	0.0005	06/06/17 20:58	enb
Vanadium, total recoverable	M200.7 ICP	1		U	mg/L	0.005	0.03	06/07/17 10:59	aeH
Zinc, dissolved	M200.7 ICP	1	0.71		mg/L	0.01	0.05	06/02/17 20:22	aeH
Zinc, total recoverable	M200.7 ICP	1	0.78		mg/L	0.01	0.05	06/07/17 10:59	aeH

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration									
Bicarbonate as CaCO ₃		1	207			mg/L	2	20	05/26/17 0:00	abd
Carbonate as CaCO ₃		1	18.6	B		mg/L	2	20	05/26/17 0:00	abd
Hydroxide as CaCO ₃		1		U		mg/L	2	20	05/26/17 0:00	abd
Total Alkalinity		1	226			mg/L	2	20	05/26/17 0:00	abd
Biochemical Oxygen Demand (5 day)	SM5210B	1	2.233		*	mg/L	2	2	05/19/17 15:30	emk
Chemical Oxygen Demand	M410.4	1		U	*	mg/L	10	20	06/02/17 13:50	emk
Chloride	M300.0 - Ion Chromatography	2	29.8			mg/L	1	5	06/12/17 22:25	krh
Conductivity @25C	SM2510B	1	697			umhos/cm	1	10	05/26/17 21:00	abd
Fluoride	M300.0 - Ion Chromatography	2	0.32	B	*	mg/L	0.1	0.5	06/12/17 22:25	krh
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	1.42			mg/L	0.02	0.1	06/07/17 23:19	pjb
Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	1	0.38			mg/L	0.05	0.2	06/09/17 12:17	bce
Nitrogen, organic	M351.2 & M350.1 - TKN minus NH ₃		0.2	B		mg/L	0.1	0.5	06/28/17 0:00	calc
Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	1	0.6			mg/L	0.1	0.5	06/08/17 23:28	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	422			mg/L	10	20	05/24/17 13:46	abd
Residue, Non-Filterable (TSS) @105C	SM2540D	1		U	*	mg/L	5	20	05/24/17 14:46	abd
Sulfate	M300.0 - Ion Chromatography	2	124			mg/L	1	5	06/12/17 22:25	krh
Sulfide as S	SM4500S2-D	1		U	*	mg/L	0.02	0.1	05/23/17 15:59	abd

Arizona license number: **AZ0102**



Report Header Explanations

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

QC Sample Types

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

<http://www.acz.com/public/extqualist.pdf>

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L37306**

Alkalinity as CaCO3

SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG423671													
WG423671PBW1	PBW	05/26/17 14:25				3.4	mg/L		-20	20			
WG423671LCSW3	LCSW	05/26/17 14:41	WC170517-7	820.0001		777	mg/L	95	90	110			
WG423671LCSW6	LCSW	05/26/17 17:50	WC170517-7	820.0001		788	mg/L	96	90	110			
WG423671PBW2	PBW	05/26/17 17:56				15.1	mg/L		-20	20			
WG423671LCSW9	LCSW	05/26/17 20:33	WC170517-7	820.0001		801	mg/L	98	90	110			
WG423671PBW3	PBW	05/26/17 20:40				U	mg/L		-20	20			
L37324-03DUP	DUP	05/26/17 22:15			33.6	33.6	mg/L				0	20	
WG423671LCSW12	LCSW	05/26/17 23:57	WC170517-7	820.0001		807	mg/L	98	90	110			
WG423671PBW4	PBW	05/27/17 0:05				U	mg/L		-20	20			
WG423671LCSW15	LCSW	05/27/17 3:52	WC170517-7	820.0001		808	mg/L	99	90	110			

Aluminum, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	2		1,983	mg/L	99	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.09	0.09			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.066	0.066			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	1.0013		.989	mg/L	99	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	1.0013	1.2	2.26	mg/L	106	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	1.0013	1.2	2.268	mg/L	107	70	130	0	20	

Antimony, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424191													
WG424191ICV	ICV	06/06/17 20:36	MS170420-2	.02		.02164	mg/L	108	90	110			
WG424191ICB	ICB	06/06/17 20:39				U	mg/L		-0.0012	0.0012			
WG424098LRB	LRB	06/06/17 20:42				U	mg/L		-0.00088	0.00088			
WG424098LFB	LFB	06/06/17 20:45	MS170524-3	.009980001		.01138	mg/L	114	85	115			
L37450-01LFM	LFM	06/06/17 21:07	MS170524-3	.009980001	U	.01113	mg/L	112	70	130			
L37450-01LFMD	LFMD	06/06/17 21:17	MS170524-3	.009980001	U	.01113	mg/L	112	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
WG424191													
WG424191ICV	ICV	06/06/17 20:36	MS170420-2	.05		.05173	mg/L	103	90	110			
WG424191ICB	ICB	06/06/17 20:39				U	mg/L		-0.0006	0.0006			
WG424098LRB	LRB	06/06/17 20:42				U	mg/L		-0.00044	0.00044			
WG424098LFB	LFB	06/06/17 20:45	MS170524-3	.0501		.04784	mg/L	95	85	115			
L37450-01LFM	LFM	06/06/17 21:07	MS170524-3	.0501	.0005	.04946	mg/L	98	70	130			
L37450-01LFMD	LFMD	06/06/17 21:17	MS170524-3	.0501	.0005	.04909	mg/L	97	70	130	1	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L37306**
Barium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	2		1.981	mg/L	99	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.009	0.009			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.0066	0.0066			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	.5015		.4799	mg/L	96	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	.5015	.018	.49	mg/L	94	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	.5015	.018	.4882	mg/L	94	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
WG424191													
WG424191ICV	ICV	06/06/17 20:36	MS170420-2	.05		.04992	mg/L	100	90	110			
WG424191ICB	ICB	06/06/17 20:39				.000118	mg/L		-0.00015	0.00015			
WG424098LRB	LRB	06/06/17 20:42				.000074	mg/L		-0.00011	0.00011			
WG424098LFB	LFB	06/06/17 20:45	MS170524-3	.05035		.04763	mg/L	95	85	115			
L37450-01LFM	LFM	06/06/17 21:07	MS170524-3	.05035	.00022	.04681	mg/L	93	70	130			
L37450-01LFMD	LFMD	06/06/17 21:17	MS170524-3	.05035	.00022	.04709	mg/L	93	70	130	1	20	

Biochemical Oxygen Demand (5 day)

SM5210B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG423229													
WG423229LCSW1	LCSW	05/19/17 15:31	BODLCSW	198		173.2	mg/L	87	84.6	115.4			
WG423229LCSW2	LCSW	05/19/17 15:33	BODLCSW	198		172.2	mg/L	87	84.6	115.4			
WG423229LCSW3	LCSW	05/19/17 15:35	BODLCSW	198		168.2	mg/L	85	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
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	2		1.967	mg/L	98	95	105			
WG424249ICB	ICB	06/07/17 10:30				.013	mg/L		-0.03	0.03			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.022	0.022			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	.5005		.475	mg/L	95	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	.5005	U	.458	mg/L	92	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	.5005	U	.459	mg/L	92	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
WG424191													
WG424191ICV	ICV	06/06/17 20:36	MS170420-2	.05		.05202	mg/L	104	90	110			
WG424191ICB	ICB	06/06/17 20:39				U	mg/L		-0.0003	0.0003			
WG424098LRB	LRB	06/06/17 20:42				U	mg/L		-0.00022	0.00022			
WG424098LFB	LFB	06/06/17 20:45	MS170524-3	.05005		.04729	mg/L	94	85	115			
L37450-01LFM	LFM	06/06/17 21:07	MS170524-3	.05005	.001	.04786	mg/L	94	70	130			
L37450-01LFMD	LFMD	06/06/17 21:17	MS170524-3	.05005	.001	.04771	mg/L	93	70	130	0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L37306**
Calcium, total recoverable
M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	100		97.23	mg/L	97	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.3	0.3			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.22	0.22			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	68.01207		68.12	mg/L	100	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	68.01207	15.4	81.56	mg/L	97	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	68.01207	15.4	82.18	mg/L	98	70	130	1	20	

Chemical Oxygen Demand
M410.4

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG423985													
WG423985ICV	ICV	06/02/17 13:15	WC161013-8	200		195	mg/L	98	90	110			
WG423985ICB	ICB	06/02/17 13:20				U	mg/L		-10	10			
WG423985LRB1	LRB	06/02/17 13:25				U	mg/L		-10	10			
WG423985LFB1	LFB	06/02/17 13:30	WC161013-7	50		52	mg/L	104	90	110			
L37409-06DUP	DUP	06/02/17 14:35			46	45	mg/L				2	20	RA
L37409-06AS	AS	06/02/17 14:40	WC161013-7	50	46	87	mg/L	82	90	110			M2
WG423985LRB2	LRB	06/02/17 15:55				U	mg/L		-10	10			
WG423985LFB2	LFB	06/02/17 16:00	WC161013-7	50		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
WG422596													
WG422596ICV	ICV	05/10/17 13:03	WI170426-1	20.02		20	mg/L	100	90	110			
WG422596ICB	ICB	05/10/17 13:21				U	mg/L		-0.5	0.5			
WG424594													
WG424594LFB	LFB	06/12/17 20:01	WI170526-1	30		30.9	mg/L	103	90	110			
L37288-01DUP	DUP	06/13/17 20:48			145	145	mg/L				0	20	
L37288-02AS	AS	06/13/17 21:24	WI170526-1	1500	958	2470	mg/L	101	90	110			

Chromium, total recoverable
M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	2		1.917	mg/L	96	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.03	0.03			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.022	0.022			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	.5025		.474	mg/L	94	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	.5025	U	.463	mg/L	92	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	.5025	U	.459	mg/L	91	70	130	1	20	

Energy Fuels Resources (USA) Inc.
ACZ Project ID: L37306
Cobalt, total recoverable
M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424191													
WG424191ICV	ICV	06/06/17 20:36	MS170420-2	.05		.05473	mg/L	109	90	110			
WG424191ICB	ICB	06/06/17 20:39				U	mg/L		-0.00015	0.00015			
WG424098LRB	LRB	06/06/17 20:42				U	mg/L		-0.00011	0.00011			
WG424098LFB	LFB	06/06/17 20:45	MS170524-3	.05005		.04931	mg/L	99	85	115			
L37450-01LFM	LFM	06/06/17 21:07	MS170524-3	.05005	.00558	.05367	mg/L	96	70	130			
L37450-01LFMD	LFMD	06/06/17 21:17	MS170524-3	.05005	.00558	.05324	mg/L	95	70	130	1	20	

Conductivity @25C
SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG423671													
WG423671LCSW2	LCSW	05/26/17 14:29	PCN52897	1408		1550	umhos/cm	110	90	110			
WG423671LCSW5	LCSW	05/26/17 17:38	PCN52897	1408		1490	umhos/cm	106	90	110			
WG423671LCSW8	LCSW	05/26/17 20:20	PCN52897	1408		1450	umhos/cm	103	90	110			
L37324-03DUP	DUP	05/26/17 22:15			108	109	umhos/cm				1	20	
WG423671LCSW11	LCSW	05/26/17 23:45	PCN52897	1408		1440	umhos/cm	102	90	110			
WG423671LCSW14	LCSW	05/27/17 3:39	PCN52897	1408		1420	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
WG423965													
WG423965ICV	ICV	06/02/17 20:00	II170428-3	2		2.009	mg/L	100	95	105			
WG423965ICB	ICB	06/02/17 20:06				U	mg/L		-0.03	0.03			
WG423965LFB	LFB	06/02/17 20:19	II170516-2	.5005		.52	mg/L	104	85	115			
L37414-01AS	AS	06/02/17 20:29	II170516-2	.5005	U	.519	mg/L	104	85	115			
L37414-01ASD	ASD	06/02/17 20:32	II170516-2	.5005	U	.524	mg/L	105	85	115	1	20	

Copper, total recoverable
M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	2		1.963	mg/L	98	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.03	0.03			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.022	0.022			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	.5005		.494	mg/L	99	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	.5005	.02	.494	mg/L	95	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	.5005	.02	.489	mg/L	94	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
WG422596													
WG422596ICV	ICV	05/10/17 13:03	WI170426-1	3.996		4.04	mg/L	101	90	110			
WG422596ICB	ICB	05/10/17 13:21				U	mg/L		-0.05	0.05			
WG424594													
WG424594LFB	LFB	06/12/17 20:01	WI170526-1	1.5		1.57	mg/L	105	90	110			
L37288-01DUP	DUP	06/13/17 20:48			2.93	2.95	mg/L				1	20	RA
L37288-02AS	AS	06/13/17 21:24	WI170526-1	75	2.95	79	mg/L	101	90	110			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L37306

Iron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG423965													
WG423965ICV	ICV	06/02/17 20:00	II170428-3	2		1.971	mg/L	99	95	105			
WG423965ICB	ICB	06/02/17 20:06				U	mg/L		-0.06	0.06			
WG423965LFB	LFB	06/02/17 20:19	II170516-2	1.0017		.995	mg/L	99	85	115			
L37414-01AS	AS	06/02/17 20:29	II170516-2	1.0017	U	.995	mg/L	99	85	115			
L37414-01ASD	ASD	06/02/17 20:32	II170516-2	1.0017	U	.995	mg/L	99	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
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170802-1	2		1.924	mg/L	96	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.06	0.06			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.044	0.044			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	1.0017		.933	mg/L	93	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	1.0017	1.82	2.708	mg/L	89	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	1.0017	1.82	2.727	mg/L	91	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
WG423885													
WG423885ICV	ICV	06/01/17 12:31	MS170420-2	.05		.05076	mg/L	102	90	110			
WG423885ICB	ICB	06/01/17 12:34				U	mg/L		-0.0003	0.0003			
WG423885LFB	LFB	06/01/17 12:37	MS170524-3	.0501		.04864	mg/L	97	85	115			
L37428-02AS	AS	06/01/17 14:03	MS170524-3	2.505	.011	2.5315	mg/L	101	70	130			
L37428-02ASD	ASD	06/01/17 14:06	MS170524-3	2.505	.011	2.5135	mg/L	100	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
WG424191													
WG424191ICV	ICV	06/06/17 20:36	MS170420-2	.05		.05327	mg/L	107	90	110			
WG424191ICB	ICB	06/06/17 20:39				U	mg/L		-0.0003	0.0003			
WG424098LRB	LRB	06/06/17 20:42				U	mg/L		-0.00022	0.00022			
WG424098LFB	LFB	06/06/17 20:45	MS170524-3	.0501		.04723	mg/L	94	85	115			
L37450-01LFM	LFM	06/06/17 21:07	MS170524-3	.0501	.0002	.04721	mg/L	94	70	130			
L37450-01LFMD	LFMD	06/06/17 21:17	MS170524-3	.0501	.0002	.04688	mg/L	93	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
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170802-1	100		97.95	mg/L	98	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.6	0.6			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.44	0.44			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	50.01344		46.36	mg/L	93	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	50.01344	2.3	47.53	mg/L	90	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	50.01344	2.3	47.96	mg/L	91	70	130	1	20	

Energy Fuels Resources (USA) Inc.
ACZ Project ID: L37306
Manganese, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	2		1.8905	mg/L	95	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.015	0.015			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.011	0.011			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	5		.4786	mg/L	96	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	5	.119	.582	mg/L	93	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	5	.119	.5836	mg/L	93	70	130	0	20	

Mercury, total M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424057													
WG424057ICV	ICV	06/05/17 15:01	HG170524-1	.005005		.00481	mg/L	96	95	105			
WG424057ICB	ICB	06/05/17 15:02				U	mg/L		-0.0002	0.0002			
WG424076													
WG424076LRB	LRB	06/05/17 16:47				U	mg/L		-0.00044	0.00044			
WG424076LFB	LFB	06/05/17 16:47	HG170531-3	.002002		.00192	mg/L	96	85	115			
L37415-03LFM	LFM	06/05/17 16:50	HG170531-3	.002002	U	.00187	mg/L	93	85	115			
L37415-03LFMD	LFMD	06/05/17 16:51	HG170531-3	.002002	U	.0019	mg/L	95	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
WG424191													
WG424191ICV	ICV	06/06/17 20:36	MS170420-2	.01998		.01949	mg/L	98	90	110			
WG424191ICB	ICB	06/06/17 20:39				U	mg/L		-0.0015	0.0015			
WG424098LRB	LRB	06/06/17 20:42				U	mg/L		-0.0011	0.0011			
WG424098LFB	LFB	06/06/17 20:45	MS170524-3	.0501		.04605	mg/L	92	85	115			
L37450-01LFM	LFM	06/06/17 21:07	MS170524-3	.0501	U	.04627	mg/L	92	70	130			
L37450-01LFMD	LFMD	06/06/17 21:17	MS170524-3	.0501	U	.04616	mg/L	92	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
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	2.002		2.0412	mg/L	102	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.024	0.024			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.0176	0.0176			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	.498		.4891	mg/L	98	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	.498	U	.4732	mg/L	95	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	.498	U	.4785	mg/L	96	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
WG424327													
WG424327ICV	ICV	06/07/17 22:08	WI170310-3	2.416		2.362	mg/L	98	90	110			
WG424327ICB	ICB	06/07/17 22:10				U	mg/L		-0.02	0.02			
WG424330													
WG424330LFB	LFB	06/07/17 23:11	WI170104-22	2		1.979	mg/L	99	90	110			
L37305-01AS	AS	06/07/17 23:14	WI170104-22	2	1.43	3.504	mg/L	104	90	110			
L37305-02DUP	DUP	06/07/17 23:37			11.7	11.65	mg/L				0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L37306

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
WG424457													
WG424457ICV	ICV	06/09/17 12:13	WI170605-8	11.988		11.469	mg/L	96	90	110			
WG424457ICB	ICB	06/09/17 12:14				U	mg/L		-0.05	0.05			
WG424457LFB	LFB	06/09/17 12:16	WI170420-10	10		10.052	mg/L	101	90	110			
L37306-01AS	AS	06/09/17 12:19	WI170420-10	10	.38	10.398	mg/L	100	90	110			
L37422-01DUP	DUP	06/09/17 12:22			.85	.814	mg/L				4	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
WG424437													
WG424437ICV	ICV	06/08/17 21:42	WI170602-1	4		3.96	mg/L	99	90	110			
WG424437ICB	ICB	06/08/17 21:43				U	mg/L		-0.1	0.1			
WG424440													
WG424346LRB1	LRB	06/08/17 23:20				U	mg/L		-0.1	0.1			
WG424346LFB1	LFB	06/08/17 23:21	WI170331-4	2.5		2.54	mg/L	102	90	110			
L37305-01LFM	LFM	06/08/17 23:23	WI170331-4	2.5	.6	3.12	mg/L	101	90	110			
L37305-02DUP	DUP	06/08/17 23:26			2.1	2.09	mg/L				0	20	
WG424346LRB2	LRB	06/08/17 23:54				U	mg/L		-0.1	0.1			
WG424346LFB2	LFB	06/08/17 23:55	WI170331-4	2.5		2.64	mg/L	106	90	110			

Potassium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	20		19.52	mg/L	98	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.6	0.6			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.44	0.44			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	99.98315		97.63	mg/L	98	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	99.98315	.6	96.03	mg/L	95	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	99.98315	.6	96.39	mg/L	96	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
WG423481													
WG423481PBW	PBW	05/24/17 13:30				U	mg/L		-20	20			
WG423481LCSW	LCSW	05/24/17 13:31	PCN53186	260		254	mg/L	98	80	120			
L37330-05DUP	DUP	05/24/17 13:59			17200	17600	mg/L				2	10	

Residue, Non-Filterable (TSS) @105C

SM2540D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG423484													
WG423484PBW	PBW	05/24/17 14:30				U	mg/L		-15	15			
WG423484LCSW	LCSW	05/24/17 14:31	PCN53186	160		181	mg/L	113	80	120			
L37380-06DUP	DUP	05/24/17 14:59			U	U	mg/L				0	10	RA

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L37306

Selenium, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424191													
WG424191ICV	ICV	06/06/17 20:36	MS170420-2	.05		.05452	mg/L	109	90	110			
WG424191ICB	ICB	06/06/17 20:39				.00019	mg/L		-0.0003	0.0003			
WG424098LRB	LRB	06/06/17 20:42				U	mg/L		-0.00022	0.00022			
WG424098LFB	LFB	06/06/17 20:45	MS170524-3	.05005		.04831	mg/L	97	85	115			
L37450-01LFM	LFM	06/06/17 21:07	MS170524-3	.05005	U	.04794	mg/L	96	70	130			
L37450-01LFMD	LFMD	06/06/17 21:17	MS170524-3	.05005	U	.04788	mg/L	96	70	130	0	20	

Silica, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	42.8		40.78	mg/L	95	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.6	0.6			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.44	0.44			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	21.415		20.31	mg/L	95	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	21.415	10.8	30.87	mg/L	94	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	21.415	10.8	30.93	mg/L	94	70	130	0	20	

Silver, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG423934													
WG423934ICV	ICV	06/01/17 20:27	MS170420-2	.02004		.019339	mg/L	97	90	110			
WG423934ICB	ICB	06/01/17 20:29				U	mg/L		-0.00015	0.00015			
WG423934LFB	LFB	06/01/17 20:31	MS170524-3	.01001		.009818	mg/L	98	85	115			
L37306-01AS	AS	06/01/17 20:40	MS170524-3	.01001	U	.008935	mg/L	89	70	130			
L37306-01ASD	ASD	06/01/17 20:42	MS170524-3	.01001	U	.008345	mg/L	83	70	130	7	20	

Silver, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424191													
WG424191ICV	ICV	06/06/17 20:36	MS170420-2	.02004		.01948	mg/L	97	90	110			
WG424191ICB	ICB	06/06/17 20:39				U	mg/L		-0.00015	0.00015			
WG424098LRB	LRB	06/06/17 20:42				U	mg/L		-0.00011	0.00011			
WG424098LFB	LFB	06/06/17 20:45	MS170524-3	.01001		.00945	mg/L	94	85	115			
L37450-01LFM	LFM	06/06/17 21:07	MS170524-3	.01001	U	.009048	mg/L	90	70	130			
L37450-01LFMD	LFMD	06/06/17 21:17	MS170524-3	.01001	U	.009084	mg/L	91	70	130	0	20	

Sodium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	100		99.31	mg/L	99	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.6	0.6			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.44	0.44			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	100.0511		99.06	mg/L	99	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	100.0511	1.8	98.9	mg/L	97	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	100.0511	1.8	98.82	mg/L	97	70	130	0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L37306**

Sulfate

M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG422596													
WG422596ICV	ICV	05/10/17 13:03	WI170426-1	50		49.4	mg/L	99	90	110			
WG422596ICB	ICB	05/10/17 13:21				U	mg/L		-0.5	0.5			
WG424594													
WG424594LFB	LFB	06/12/17 20:01	WI170526-1	30		30.2	mg/L	101	90	110			
L37288-01DUP	DUP	06/13/17 20:48			739	739	mg/L				0	20	
L37288-02AS	AS	06/13/17 21:24	WI170526-1	1500	1940	3390	mg/L	97	90	110			

Sulfide as S

SM4500S2-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG423379													
WG423379ICV	ICV	05/23/17 13:25	WC170523-3	.34134		.33	mg/L	97	90	110			
WG423379ICB	ICB	05/23/17 13:31				U	mg/L		-0.06	0.06			
WG423380													
WG423380ICV	ICV	05/23/17 13:25	WC170523-3	.34134		.325	mg/L	95	90	110			
WG423380ICB	ICB	05/23/17 13:30				U	mg/L		-0.06	0.06			
WG423380LFB1	LFB	05/23/17 13:36	WC170523-6	.2462267		.268	mg/L	109	80	120			
L37306-01AS	AS	05/23/17 16:04	WC170523-6	.2462267	U	.261	mg/L	106	75	125			
L37306-01DUP	DUP	05/23/17 16:10			U	U	mg/L				0	20	RA
WG423380LFB2	LFB	05/23/17 16:26	WC170523-6	.2462267		.263	mg/L	107	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
WG424299													
WG424299ICV	ICV	06/07/17 15:24	MS170420-2	.05		.04899	mg/L	98	90	110			
WG424299ICB	ICB	06/07/17 15:27				U	mg/L		-0.0003	0.0003			
WG424098LRB	LRB	06/07/17 15:30				U	mg/L		-0.00022	0.00022			
WG424098LFB	LFB	06/07/17 15:33	MS170524-3	.0501		.04716	mg/L	94	85	115			
L37450-01LFM	LFM	06/07/17 15:52	MS170524-3	.0501	U	.0466	mg/L	93	70	130			
L37450-01LFMD	LFMD	06/07/17 15:56	MS170524-3	.0501	U	.04647	mg/L	93	70	130	0	20	

Tin, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	2		2.018	mg/L	101	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.12	0.12			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.088	0.088			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	1.001		1.014	mg/L	101	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	1.001	U	.992	mg/L	99	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	1.001	U	.997	mg/L	100	70	130	1	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L37306**

Uranium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG423885													
WG423885ICV	ICV	06/01/17 12:31	MS170420-2	.05		.04993	mg/L	100	90	110			
WG423885ICB	ICB	06/01/17 12:34				U	mg/L		-0.0003	0.0003			
WG423885LFB	LFB	06/01/17 12:37	MS170524-3	.05		.04947	mg/L	99	85	115			
L37428-02AS	AS	06/01/17 14:03	MS170524-3	2.5	2.65	5.265	mg/L	105	70	130			
L37428-02ASD	ASD	06/01/17 14:06	MS170524-3	2.5	2.65	5.295	mg/L	106	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
WG424191													
WG424191ICV	ICV	06/06/17 20:36	MS170420-2	.05		.053	mg/L	106	90	110			
WG424191ICB	ICB	06/06/17 20:39				U	mg/L		-0.0003	0.0003			
WG424098LRB	LRB	06/06/17 20:42				U	mg/L		-0.00022	0.00022			
WG424098LFB	LFB	06/06/17 20:45	MS170524-3	.05		.04879	mg/L	98	85	115			
L37450-01LFM	LFM	06/06/17 21:07	MS170524-3	.05	.0003	.04982	mg/L	99	70	130			
L37450-01LFMD	LFMD	06/06/17 21:17	MS170524-3	.05	.0003	.04957	mg/L	99	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
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	2		1.9925	mg/L	100	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.015	0.015			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.011	0.011			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	.4985		.5036	mg/L	101	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	.4985	U	.4876	mg/L	98	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	.4985	U	.4956	mg/L	99	70	130	2	20	

Zinc, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG423965													
WG423965ICV	ICV	06/02/17 20:00	II170428-3	2		2.013	mg/L	101	95	105			
WG423965ICB	ICB	06/02/17 20:06				U	mg/L		-0.03	0.03			
WG423965LFB	LFB	06/02/17 20:19	II170516-2	.4942		.557	mg/L	113	85	115			
L37414-01AS	AS	06/02/17 20:29	II170516-2	.4942	U	.555	mg/L	112	85	115			
L37414-01ASD	ASD	06/02/17 20:32	II170516-2	.4942	U	.562	mg/L	114	85	115	1	20	

Zinc, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG424249													
WG424249ICV	ICV	06/07/17 10:24	II170602-1	2		1.915	mg/L	96	95	105			
WG424249ICB	ICB	06/07/17 10:30				U	mg/L		-0.03	0.03			
WG424140LRB	LRB	06/07/17 10:43				U	mg/L		-0.022	0.022			
WG424140LFB	LFB	06/07/17 10:46	II170516-2	.4942		.506	mg/L	102	85	115			
L37383-02LFM	LFM	06/07/17 11:09	II170516-2	.4942	.02	.513	mg/L	100	70	130			
L37383-02LFMD	LFMD	06/07/17 11:12	II170516-2	.4942	.02	.516	mg/L	100	70	130	1	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L37306

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L37306-01	WG423229	Biochemical Oxygen Demand (5 day)	SM5210B	KA	The seed depletion was outside the method acceptance limits, the DO-axis intercept is > 0.2 mg/L. The reported result is an estimated value.
	WG423985	Chemical Oxygen Demand	M410.4	M2	Matrix spike recovery was low, 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).
	WG424594	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).
	WG423484	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).
	WG424249	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.
	WG423380	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: 2Q2017 Canyon Sampling

Sample ID: DISCHARGE

ACZ Sample ID: **L37306-01**

Date Sampled: 05/18/17 7:10

Date Received: 05/19/17

Sample Matrix: Ground Water

Oil & Grease, Total Recoverable

Analysis Method: **1664A - Gravimetric**

Extract Method:

Workgroup: WG423635

Analyst: ITM

Extract Date:

Analysis Date: 05/26/17 12:37

Compound	CAS	Result	QUAL	Dilution	XO	Units	MDL	PQL
Oil and Grease			U	0.99		mg/L	2	9.9

Arizona license number: AZ0102

Report Header Explanations

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

QC Sample Types

<i>SURR</i>	Surrogate	<i>LFM</i>	Laboratory Fortified Matrix
<i>INTS</i>	Internal Standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>LCSW</i>	Laboratory Control Sample - Water	<i>PBS</i>	Prep Blank - Soil
<i>LFB</i>	Laboratory Fortified Blank	<i>PBW</i>	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)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
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:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L37306

Oil & Grease, Total Recoverable

1664A - Gravimetric

WG423635

MS		Sample ID: L37403-01MS		PCN/SCN: OP170512-2		Analyzed: 05/26/17 13:31	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper
OIL AND GREASE	40	U	36.5	mg/L	91.0	78	114

LCSW		Sample ID: WG423635LCSW		PCN/SCN: OP170512-2		Analyzed: 05/26/17 14:04	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper
OIL AND GREASE	40		35.1	mg/L	88.0	78	114

LCSWD		Sample ID: WG423635LCSWD		PCN/SCN: OP170512-2		Analyzed: 05/26/17 14:15	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper
OIL AND GREASE	40		40.3	mg/L	101.0	78	114

PBW		Sample ID: WG423635PBW					Analyzed: 05/26/17 11:00				
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual	
OIL AND GREASE			U	mg/L							

ACZ Project ID: **L37306**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
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No extended qualifiers associated with this analysis

Energy Fuels Resources (USA) Inc.

Project ID: 2Q2017 Canyon Sampling
Sample ID: DISCHARGE
Locator:

ACZ Sample ID: **L37306-01**
Date Sampled: 05/18/17 7:10
Date Received: 05/19/17
Sample Matrix: Ground Water

Combined Radium

Prep Method:

Calculation (RA226 + RA228)

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium	06/28/17 9:32		15			pCi/L		calc

Gross Alpha & Beta, total

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/14/17 0:08		86	11	11	pCi/L	*	ism
Gross Beta	06/14/17 0:08		50	6	14	pCi/L		ism

Gross Alpha, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, dissolved	06/14/17 0:30		65	9.6	8	pCi/L	*	ism

Lead 210, total

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, total	06/19/17 15:52		1.3	1.3	4.1	pCi/L	*	tjr

Radium 226

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226	06/21/17 0:10		15	0.47	0.16	pCi/L	*	ism

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/27/17 0:07		19	0.53	0.29	pCi/L		ism

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.

Project ID: 2Q2017 Canyon Sampling
Sample ID: DISCHARGE
Locator:

ACZ Sample ID: **L37306-01**
Date Sampled: 05/18/17 7:10
Date Received: 05/19/17
Sample Matrix: Ground Water

Radium 228
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228	06/22/17 16:43		0.13	0.68	0.73	pCi/L		djc

Radium 228, dissolved
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/22/17 14:30		-0.03	0.7	0.77	pCi/L		jjo

Thorium, Isotopic
ESM 4506

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	06/22/17 0:10		0.0	0.18	0.21	pCi/L	*	djc
Thorium 230	06/22/17 0:10		-0.38	0.71	0.56	pCi/L	*	djc
Thorium 232	06/22/17 0:10		-0.24	0.58	0.21	pCi/L	*	djc

Uranium, Isotopic dissolved
Eichrom ACW03

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234	06/11/17 0:28		50	5.1	0.98	pCi/L	*	djc
Uranium 235	06/11/17 0:28		0.56	0.97	0.98	pCi/L	*	djc
Uranium 238	06/11/17 0:28		23.2	3.5	0.98	pCi/L	*	djc

Report Header Explanations

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

QC Sample Types

<i>DUP</i>	Sample Duplicate	<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>PBS</i>	Prep Blank - Soil
<i>LCSW</i>	Laboratory Control Sample - Water	<i>PBW</i>	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.
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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:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L37306**

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
WG424833																
WG424351PBW	PBW	06/14/17						-.88	1.3	3.3			6.6			
WG424351LCSW	LCSW	06/14/17	PCN52271	100				97	8.5	4.7	97	83	133			
L37305-01DUP	DUP-RER	06/14/17			120	13	8	90	11	11				1.76	2	
L37319-06DUP	DUP-RER	06/14/17			5.2	3.4	11	2.2	3	10				0.66	2	
L37305-02MS	MS	06/14/17	PCN52271	100	120	13	4.8	200	16	14	80	83	133			M2

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
WG424833																
WG424351PBW	PBW	06/14/17						.74	3	9.3			18.6			
WG424351LCSW	LCSW	06/14/17	PCN51663	100				98	6.4	9.1	98	70	129			
L37305-01DUP	DUP-RER	06/14/17			59	6.3	9	57	6.3	8.2				0.22	2	
L37319-06DUP	DUP-RER	06/14/17			11	4.5	8.6	7.5	4	15				0.58	2	
L37319-03MS	MS	06/14/17	PCN51663	100	-0.34	2.4	9.2	100	6.9	12	100	70	129			

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
WG424783																
WG424332PBW	PBW	06/14/17						-.5	1.4	3.3			6.6			
WG424332LCSW	LCSW	06/14/17	PCN52271	100				99	8.6	4.7	99	83	133			
L37111-05DUP	DUP-RER	06/14/17			45	8.2	8	53	8.6	11				0.67	2	
L37305-01DUP	DUP-RER	06/14/17			110	12	6	64	9.5	11				3.01	2	RM
L37305-02MS	MS	06/14/17	PCN52271	100	110	12	8.1	150	14	14	40	83	133			M2

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L37306**

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
WG425072																
WG424540LCSW	LCSW	06/19/17	PCN48915	93.8				69	2.5	4.6	74	55	121			
WG424540PBW	PBW	06/19/17						57	1.4	4.5			9			
L37305-01DUP	DUP-RER	06/19/17			-0.64	1.7	5.7	4.7	1.4	4.1				2.42	2	RM
L37305-03MS	MS	06/19/17	PCN48915	93.79	1.4	1.2	3.9	77	2.7	4.3	81	55	121			

Radium 226

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
WG425263																
WG424612PBW	PBW	06/21/17						.08	0.1	0.31			0.62			
WG424612LCSW	LCSW	06/21/17	PCN52690	20				18	0.5	0.07	90	43	148			
L37305-01DUP	DUP-RER	06/21/17			22	0.56	0.23	120	11	8.8				8.9	2	N1
L37305-02DUP	DUP-RER	06/21/17			11	0.4	0.28	77	2.4	0.73				27.13	2	RM
L37319-02MS	MS	06/21/17	PCN52690	20	0.11	0.07	0.17	15	0.49	0.07	74	43	148			

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
WG425652																
WG424968PBW	PBW	06/27/17						.07	0.11	0.37			0.74			
WG424968LCSW	LCSW	06/27/17	PCN52690	20				20	0.56	0.08	100	43	148			
L37305-01DUP	DUP-RER	06/27/17			23	0.58	0.1	24	0.6	0.15				1.2	2	
L37305-03DUP	DUP-RER	06/27/17			1.9	0.18	0.23	1.5	0.18	0.08				1.57	2	
L37306-01MS	MS	06/27/17	PCN52690	20	19	0.53	0.29	44	0.89	0.23	125	43	148			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L37306**

Radium 228

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
WG425420																
WG425001PBW	PBW	06/22/17						.47	0.82	0.85			1.7			
WG425001LCSW	LCSW	06/22/17	PCN53180	9.69				10	1.4	0.8	103	47	123			
L37306-01DUP	DUP-RER	06/23/17			0.13	0.68	0.73	2	0.7	0.6				1.92	2	
L37315-01DUP	DUP-RER	06/23/17			3.4	0.96	0.77	.53	0.67	0.68				2.45	2	RM
L37640-01MS	MS	06/23/17	PCN53180	9.69	0.38	0.7	0.72	8.2	1	0.6	81	47	123			

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
WG425342																
WG424877PBW	PBW	06/22/17						.28	0.27	0.27			0.54			
WG424877LCSW	LCSW	06/22/17	PCN53180	9.69				8.5	0.98	0.53	88	47	123			
L37223-03MS	MS	06/22/17	PCN53180	9.69	1.2	1.1	1.1	7.4	1.1	0.75	64	47	123			
L37223-01DUP	DUP-RER	06/22/17			0.96	0.55	0.52	.22	0.7	0.73				0.83	2	
L37305-02DUP	DUP-RER	06/22/17			0.71	0.8	0.81	.68	0.88	0.9				0.03	2	

Thorium 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
WG425554																
WG424715PBW	PBW	06/22/17						.03	0.33	0.24			0.48			
L37305-03DUP	DUP-RER	06/22/17			0.09	0.21	0.2	-.05	0.22	0.21				0.46	2	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L37306**

Thorium 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
WG425554																
WG424715PBW	PBW	06/22/17						-.05	0.29	0.62			1.24			
WG424715LCSW	LCSW	06/22/17	PCN50093	200				230	5.6	0.7	115	91	126			
L37305-03DUP	DUP-RER	06/22/17			-0.47	0.34	0.53	-.14	0.29	0.55				0.74	2	
L37306-01MS	MS	06/22/17	PCN50093	200	-0.38	0.71	0.56	190	4.5	0.55	95	91	126			

Thorium 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
WG425554																
WG424715PBW	PBW	06/22/17						-.08	0.21	0.24			0.48			
L37305-03DUP	DUP-RER	06/22/17			0.02	0.08	0.2	-.05	0.14	0.21				0.43	2	

Uranium 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
WG424667																
WG423592PBW	PBW	06/11/17						-.2	0.79	0.88			1.76			
WG423592LCSW	LCSW	06/11/17	PCN50849	196				180	11	1.3	92	77	122			
L37110-02DUP	DUP-RER	06/11/17			1.6	1.4	0.92	2.6	1.4	0.8				0.51	2	
L37111-04DUP	DUP-RER	06/11/17			18	3.1	0.88	17	2.9	0.87				0.24	2	
L37110-03MS	MS	06/11/17	PCN50849	196	0.76	1.2	0.95	170	10	1.2	86	77	122			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L37306**
Uranium 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
WG424667																
WG423592PBW	PBW	06/11/17						-3	0.64	0.88			1.76			
WG423592LCSW	LCSW	06/11/17	PCN50849	8.97				6	2.4	1.3	67	42	136			
L37110-02DUP	DUP-RER	06/11/17			-0.21	0.88	0.92	-37	0.77	0.8				0.14	2	
L37111-04DUP	DUP-RER	06/11/17			0.51	0.64	0.88	-1	0.86	0.87				0.57	2	
L37110-03MS	MS	06/11/17	PCN50849	8.97	-0.86	0.91	0.95	5.6	2.4	1.2	72	42	136			

Uranium 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
WG424667																
WG423592PBW	PBW	06/11/17						-3	0.7	0.88			1.76			
WG423592LCSW	LCSW	06/11/17	PCN50849	195				194	11	1.3	99	87	124			
L37110-02DUP	DUP-RER	06/11/17			1.16	1.2	0.92	.84	1.2	0.8				0.19	2	
L37111-04DUP	DUP-RER	06/11/17			9.31	2.3	0.88	9.87	2.3	0.87				0.17	2	
L37110-03MS	MS	06/11/17	PCN50849	195	1.01	1.3	0.95	180	11	1.2	92	87	124			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L37306**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L37306-01	WG424833	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG424783	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	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.
	WG425072	Lead 210, total	EICHROM, OTW01	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.
	WG425263	Radium 226	M903.1	N1	See Case Narrative.

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L37306**

Radiochemistry

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

Lead 210, total	EICHROM, OTW01
Thorium 228	ESM 4506
Thorium 230	ESM 4506
Thorium 232	ESM 4506
Uranium 234	Eichrom ACW03
Uranium 235	Eichrom ACW03
Uranium 238	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	ESM 4506
Thorium 230	ESM 4506
Thorium 232	ESM 4506
Uranium 234	Eichrom ACW03
Uranium 235	Eichrom ACW03
Uranium 238	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
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Energy Fuels Resources (USA) Inc.
2Q2017 Canyon Sampling

ACZ Project ID: L37306
Date Received: 05/19/2017 11:14
Received By:
Date Printed: 5/19/2017

Receipt Verification

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

Samples/Containers

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

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Temp Criteria (°C)	Rad (µR/Hr)	Custody Seal Intact?
2714	5.1	<=6.0	14	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.

Energy Fuels Resources (USA) Inc.
2Q2017 Canyon Sampling

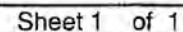
ACZ Project ID: L37306

Date Received: 05/19/2017 11:14

Received By:

Date Printed: 5/19/2017

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).



CHAIN OF CUSTODY

Samples Shipped to:	ACZ Laboratories	Contact:	Kathy Weinel
	2773 Downhill Drive		ph: 303.389.4134
	Steamboat Springs, CO 80487		kweinel@energyfuels.com

Chain of Custody/Sampling Analysis Request

[illegible]

Relinquished By:(Signature) Abel Mendoza	Date/Time 5/18/2017	Received By:(Signature) JES	Date/Time 5/14/17
Relinquished By:(Signature) 	Date/Time 5-18-17 11/9/17	Received By:(Signature)	Date/Time

Account: EFRC/Energy Fuels Resources (USA)
Bottle Order: BO37210Bill to Account: Bill to ACZ
Ship Date Requested: 03/24/2017
Request Placed at: 03/22/2017 15:57
Service Requested: UPS Ground

Quote number: CANYON-2016

Canyon Mine groundwater monitoring

Sample Quantity: 11

Client is responsible for necessary field filtering

PACK	Qty	Type	Size	Filter/Raw/Preserve	Instructions
☐	1	GREEN CUBE	4 L	✓ Filtered/Nitric	Radiochemistry (dissolved) - Filter sample with .45 micron filter. Do not overfill as there is Nitric Acid in the bottle.
☐	1	GREEN PC	125 ML	✓ Green pre-cleaned Filtered/Nitric	Metals (dissolved including ICPMS) - Filter sample with .45 micron filter. Do not overfill as there is Nitric Acid in the bottle.
MA ☐	0	GREEN RAD	MA 1000 ML	Filtered/Nitric MA	Radiochemistry (dissolved) - Filter sample with .45 micron filter. Do not overfill as there is Nitric Acid in the bottle.
☐	1	ORANGE	1000 ML	✓ Raw/Hydrochloric	Oil and Grease - Do not overfill as there is Hydrochloric Acid in the bottle.
☐	1	RAW	500 ML	✓ Raw	Wet Chemistry (analyses that do not require preservative or filtration) - Completely fill container.
☒	1	RED CUBE	4 L	✓ Raw/Nitric	Radiochemistry (total) - Do not overfill as there is Nitric Acid in the bottle.
☐	1	RED PC	250 ML	✓ Red pre-cleaned Raw/Nitric	Metals (total including ICPMS) - Do not overfill as there is Nitric Acid in the bottle.
MA ☐	0	RED RAD	MA 1000 ML	Raw/Nitric MA	Radiochemistry (total) - Do not overfill as there is Nitric Acid in the bottle.
☐	1	TAN	125 ML	✓ Raw/NaOH & Zinc Acetate	Sulfide - Do not overfill as there is Sodium Hydroxide and Zinc Acetate in the bottle.
☐	1	WHITE	250 ML	✓ Filtered	Wet chemistry (dissolved) - Filter sample with .45 micron filter. Completely fill container.
☐	1	YELLOW GLASS	250 ML	✓ Raw/Sulfuric	COD, TOC, Phenols, and total wet chemistry analysis. Do not overfill as there is Sulfuric Acid in the bottle.

Prepared By/Date: _____

mjj

November 10, 2017

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 Mine 3rd Quarter 2017

ACZ Project ID: L39885

Kathy Weinel:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on September 15, 2017. This project has been assigned to ACZ's project number, L39885. Please reference this number in all future inquiries.

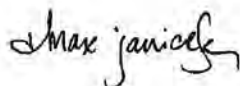
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L39885. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

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 10, 2017. 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 10, 2017

Project ID: Canyon Mine 3rd Quarter 2017

ACZ Project ID: L39885

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 3 ground water samples from Energy Fuels Resources (USA) Inc. on September 15, 2017. 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 L39885. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

Any analyses not performed within EPA recommended holding times have been qualified with an "H" flag.

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:

The BOD results for L39885 have been qualified with the RJ flag on the extended qualifier report. The chemist noted that the Lab Control Standard/Lab Control Standard Duplicate (LCS/LCSD) RPD or RSD exceeded the method or laboratory control limits. Due to the required sample volume, BOD is a parameter that cannot be retested; comparison of results to historical levels and/or data qualification may be necessary.

Energy Fuels Resources (USA) Inc.

Project ID: Canyon Mine 3rd Quarter 20
Sample ID: DISCHARGE

ACZ Sample ID: **L39885-03**
Date Sampled: 09/14/17 08:50
Date Received: 09/15/17
Sample Matrix: Ground Water

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Nitrogen, total Kjeldahl	M351.2 - Block Digestor								10/10/17 12:53	wtc
Total Recoverable Digestion	M200.2 ICP								10/02/17 11:57	dcm
Total Recoverable Digestion	M200.2 ICP-MS								10/03/17 11:16	bsu

Energy Fuels Resources (USA) Inc.

Project ID: Canyon Mine 3rd Quarter 20
Sample ID: DISCHARGE

ACZ Sample ID: **L39885-03**
Date Sampled: 09/14/17 08:50
Date Received: 09/15/17
Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, total recoverable	M200.7 ICP	1	0.08	B		mg/L	0.03	0.2	10/03/17 16:52	aeH
Antimony, total recoverable	M200.8 ICP-MS	1	0.0023			mg/L	0.0004	0.002	10/04/17 22:43	msh
Arsenic, total recoverable	M200.8 ICP-MS	1	0.289			mg/L	0.0002	0.001	10/04/17 22:43	msh
Barium, total recoverable	M200.7 ICP	1	0.045			mg/L	0.003	0.02	10/03/17 16:52	aeH
Beryllium, total recoverable	M200.8 ICP-MS	1		U		mg/L	0.00005	0.0003	10/04/17 22:43	msh
Boron, total recoverable	M200.7 ICP	1	0.07			mg/L	0.01	0.05	10/03/17 16:52	aeH
Cadmium, total recoverable	M200.8 ICP-MS	1	0.0005			mg/L	0.0001	0.0005	10/04/17 22:43	msh
Calcium, total recoverable	M200.7 ICP	1	65.8			mg/L	0.1	0.5	10/03/17 16:52	aeH
Chromium, total recoverable	M200.7 ICP	1		U		mg/L	0.01	0.05	10/03/17 16:52	aeH
Cobalt, total recoverable	M200.8 ICP-MS	1	0.0512			mg/L	0.00005	0.0003	10/04/17 22:43	msh
Copper, dissolved	M200.7 ICP	1		U		mg/L	0.01	0.05	10/02/17 19:20	aeH
Copper, total recoverable	M200.7 ICP	1	0.07			mg/L	0.01	0.05	10/03/17 16:52	aeH
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	10/02/17 19:20	aeH
Iron, total recoverable	M200.7 ICP	1	1.80			mg/L	0.02	0.05	10/04/17 16:10	aeH
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	10/04/17 18:40	bsu
Lead, total recoverable	M200.8 ICP-MS	1	0.0069			mg/L	0.0001	0.0005	10/04/17 22:43	msh
Magnesium, total recoverable	M200.7 ICP	1	40.0			mg/L	0.2	1	10/03/17 16:52	aeH
Manganese, total recoverable	M200.7 ICP	1	0.019	B		mg/L	0.005	0.03	10/03/17 16:52	aeH
Mercury, total	M245.1 CVAA	1		U		mg/L	0.0002	0.001	10/02/17 18:39	sck
Molybdenum, total recoverable	M200.8 ICP-MS	1	0.0635			mg/L	0.0005	0.003	10/04/17 22:43	msh
Nickel, total recoverable	M200.7 ICP	1	0.136			mg/L	0.008	0.04	10/03/17 16:52	aeH
Potassium, total recoverable	M200.7 ICP	1	5.6			mg/L	0.2	1	10/03/17 16:52	aeH
Selenium, total recoverable	M200.8 ICP-MS	1	0.0009			mg/L	0.0001	0.0003	10/04/17 22:43	msh
Silica, total recoverable	M200.7 ICP	1	10.1		*	mg/L	0.2	1	10/03/17 16:52	aeH
Silver, dissolved	M200.8 ICP-MS	1		U		mg/L	0.00005	0.0003	10/04/17 18:40	bsu
Silver, total recoverable	M200.8 ICP-MS	1		U		mg/L	0.00005	0.0003	10/04/17 22:43	msh
Sodium, total recoverable	M200.7 ICP	1	14.9			mg/L	0.2	1	10/03/17 16:52	aeH
Thallium, total recoverable	M200.8 ICP-MS	1	0.0011			mg/L	0.0001	0.0005	10/06/17 13:05	mfm
Tin, total recoverable	M200.7 ICP	1		U		mg/L	0.04	0.2	10/03/17 16:52	aeH
Uranium, dissolved	M200.8 ICP-MS	1	0.0839			mg/L	0.0001	0.0005	10/04/17 18:40	bsu

Energy Fuels Resources (USA) Inc.

Project ID: Canyon Mine 3rd Quarter 20
Sample ID: DISCHARGE

ACZ Sample ID: **L39885-03**
Date Sampled: 09/14/17 08:50
Date Received: 09/15/17
Sample Matrix: Ground Water

Uranium, total recoverable	M200.8 ICP-MS	1	0.0875		mg/L	0.0001	0.0005	10/04/17 22:43	msh
Vanadium, total recoverable	M200.7 ICP	1		U	mg/L	0.005	0.03	10/03/17 16:52	aeH
Zinc, dissolved	M200.7 ICP	1	0.53		mg/L	0.01	0.05	10/02/17 19:20	aeH
Zinc, total recoverable	M200.7 ICP	1	0.99		mg/L	0.01	0.05	10/03/17 16:52	aeH

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	201			mg/L	2	20	09/21/17 0:00	enb
Carbonate as CaCO3		1	14.5	B		mg/L	2	20	09/21/17 0:00	enb
Hydroxide as CaCO3		1		U		mg/L	2	20	09/21/17 0:00	enb
Total Alkalinity		1	215			mg/L	2	20	09/21/17 0:00	enb
Biochemical Oxygen Demand (5 day)	SM5210B	1	2.4		*	mg/L	2	2	09/15/17 15:52	emk
Chemical Oxygen Demand	M410.4	1		U	*	mg/L	10	20	09/22/17 12:01	emk
Chloride	M300.0 - Ion Chromatography	2	28.7			mg/L	0.8	4	10/10/17 0:09	krh
Conductivity @25C	SM2510B	1	708			umhos/cm	1	10	09/21/17 4:00	enb
Fluoride	M300.0 - Ion Chromatography	2	0.24	B	*	mg/L	0.1	0.5	10/10/17 0:09	krh
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.91		*	mg/L	0.02	0.1	09/30/17 17:31	pjb
Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	1	0.09	B	*	mg/L	0.05	0.2	10/05/17 11:55	wtc
Nitrogen, organic	M351.2 & M350.1 - TKN minus NH3			U		mg/L	0.1	0.5	11/09/17 0:00	calc
Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	1	0.1	B	*	mg/L	0.1	0.5	10/11/17 23:48	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	430		*	mg/L	10	20	09/19/17 15:49	che
Residue, Non-Filterable (TSS) @105C	SM2540D	1	11.0	B		mg/L	5	20	09/17/17 12:04	ecc
Sulfate	M300.0 - Ion Chromatography	2	130			mg/L	0.8	4	10/10/17 0:09	krh
Sulfide as S	SM4500S2-D	1		U	*	mg/L	0.02	0.1	09/19/17 13:26	emk

Arizona license number: **AZ0102**



Report Header Explanations

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

QC Sample Types

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

QC Sample Type Explanations

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

ACZ Qualifiers (Qual)

<i>B</i>	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
<i>H</i>	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
<i>L</i>	Target analyte response was below the laboratory defined negative threshold.
<i>U</i>	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:

<http://www.acz.com/public/extqualist.pdf>

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

Alkalinity as CaCO₃

SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG431641													
WG431641PBW1	PBW	09/20/17 16:27				U	mg/L		-20	20			
WG431641LCSW3	LCSW	09/20/17 16:45	WC170906-1	820.0001		784	mg/L	96	90	110			
WG431641LCSW6	LCSW	09/20/17 19:35	WC170906-1	820.0001		798	mg/L	97	90	110			
WG431641PBW2	PBW	09/20/17 19:44				2.5	mg/L		-20	20			
WG431641LCSW9	LCSW	09/20/17 22:43	WC170906-1	820.0001		804	mg/L	98	90	110			
WG431641PBW3	PBW	09/20/17 22:52				4.5	mg/L		-20	20			
WG431641LCSW12	LCSW	09/21/17 2:19	WC170906-1	820.0001		805	mg/L	98	90	110			
WG431641PBW4	PBW	09/21/17 2:28				2.7	mg/L		-20	20			
L39885-03DUP	DUP	09/21/17 4:10			215	233	mg/L				8	20	
WG431641LCSW15	LCSW	09/21/17 5:59	WC170906-1	820.0001		817	mg/L	100	90	110			

Aluminum, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	2		1.936	mg/L	97	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.09	0.09			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.066	0.066			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	1.0013		.934	mg/L	93	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	1.0013	U	.973	mg/L	97	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	1.0013	U	.988	mg/L	99	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
WG432793													
WG432793ICV	ICV	10/04/17 22:31	MS170901-1	.02		.02026	mg/L	101	90	110			
WG432793ICB	ICB	10/04/17 22:33				U	mg/L		-0.0012	0.0012			
WG432646LRB	LRB	10/04/17 22:35				U	mg/L		-0.00088	0.00088			
WG432646LFB	LFB	10/04/17 22:37	MS170919-2	.01		.01093	mg/L	109	85	115			
L40019-02LFM	LFM	10/04/17 22:56	MS170919-2	.01	U	.01031	mg/L	103	70	130			
L40019-02LFMD	LFMD	10/04/17 22:58	MS170919-2	.01	U	.0103	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
WG432793													
WG432793ICV	ICV	10/04/17 22:31	MS170901-1	.05		.05319	mg/L	106	90	110			
WG432793ICB	ICB	10/04/17 22:33				U	mg/L		-0.0006	0.0006			
WG432646LRB	LRB	10/04/17 22:35				U	mg/L		-0.00044	0.00044			
WG432646LFB	LFB	10/04/17 22:37	MS170919-2	.0501		.05239	mg/L	105	85	115			
L40019-02LFM	LFM	10/04/17 22:56	MS170919-2	.0501	.0009	.05134	mg/L	101	70	130			
L40019-02LFMD	LFMD	10/04/17 22:58	MS170919-2	.0501	.0009	.05293	mg/L	104	70	130	3	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

Barium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	2		1.9768	mg/L	99	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.009	0.009			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.0066	0.0066			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	.5015		.489	mg/L	98	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	.5015	.17	.6788	mg/L	101	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	.5015	.17	.6723	mg/L	100	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
WG432793													
WG432793ICV	ICV	10/04/17 22:31	MS170901-1	.05		.049427	mg/L	99	90	110			
WG432793ICB	ICB	10/04/17 22:33				U	mg/L		-0.00015	0.00015			
WG432646LRB	LRB	10/04/17 22:35				U	mg/L		-0.00011	0.00011			
WG432646LFB	LFB	10/04/17 22:37	MS170919-2	.05035		.049076	mg/L	97	85	115			
L40019-02LFM	LFM	10/04/17 22:56	MS170919-2	.05035	U	.04939	mg/L	98	70	130			
L40019-02LFMD	LFMD	10/04/17 22:58	MS170919-2	.05035	U	.05012	mg/L	100	70	130	1	20	

Biochemical Oxygen Demand (5 day)

SM5210B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG431368													
WG431368LCSW1	LCSW	09/15/17 16:45	BODLCSW	198		237	mg/L	120	84.6	115.4			RJ
WG431368LCSW2	LCSW	09/15/17 16:48	BODLCSW	198		161	mg/L	81	84.6	115.4			RJ
WG431368LCSW3	LCSW	09/15/17 16:52	BODLCSW	198		163	mg/L	82	84.6	115.4			RJ

Boron, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	2		2.04	mg/L	102	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.03	0.03			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.022	0.022			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	.5005		.484	mg/L	97	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	.5005	.07	.582	mg/L	102	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	.5005	.07	.572	mg/L	100	70	130	2	20	

Cadmium, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432793													
WG432793ICV	ICV	10/04/17 22:31	MS170901-1	.05		.05161	mg/L	103	90	110			
WG432793ICB	ICB	10/04/17 22:33				U	mg/L		-0.0003	0.0003			
WG432646LRB	LRB	10/04/17 22:35				U	mg/L		-0.00022	0.00022			
WG432646LFB	LFB	10/04/17 22:37	MS170919-2	.05005		.04979	mg/L	99	85	115			
L40019-02LFM	LFM	10/04/17 22:56	MS170919-2	.05005	U	.04876	mg/L	97	70	130			
L40019-02LFMD	LFMD	10/04/17 22:58	MS170919-2	.05005	U	.04868	mg/L	97	70	130	0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

Calcium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	100		100.3	mg/L	100	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.3	0.3			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.22	0.22			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	68.01697		67.2	mg/L	99	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	68.01697	47.7	116	mg/L	100	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	68.01697	47.7	116.1	mg/L	101	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
WG431877													
WG431877ICV	ICV	09/22/17 10:15	WC170714-2	200		197	mg/L	99	90	110			
WG431877ICB	ICB	09/22/17 10:28				U	mg/L		-10	10			
WG431877LRB	LRB	09/22/17 10:41				U	mg/L		-10	10			
WG431877LFB	LFB	09/22/17 10:55	WC170622-3	50		49	mg/L	98	90	110			
L39911-02DUP	DUP	09/22/17 13:48			U	U	mg/L				0	20	RA
L39911-02AS	AS	09/22/17 14:01	WC170622-3	50	U	46	mg/L	92	90	110			

Chloride

M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG430666													
WG430666ICV	ICV	09/06/17 17:19	WI170906-9	20.06		20.1	mg/L	100	90	110			
WG430666ICB	ICB	09/06/17 17:36				U	mg/L		-0.5	0.5			
WG433058													
WG433058LFB	LFB	10/09/17 20:33	WI170906-10	30		30.9	mg/L	103	90	110			
L39870-01DUP	DUP	10/09/17 21:09			42.1	41.8	mg/L				1	20	
L39870-02AS	AS	10/09/17 21:45	WI170906-10	600	34.2	656	mg/L	104	90	110			

Chromium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	2		1.988	mg/L	99	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.03	0.03			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.022	0.022			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	.498		.487	mg/L	98	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	.498	U	.502	mg/L	101	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	.498	U	.488	mg/L	98	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
WG432793													
WG432793ICV	ICV	10/04/17 22:31	MS170901-1	.05		.052048	mg/L	104	90	110			
WG432793ICB	ICB	10/04/17 22:33				U	mg/L		-0.00015	0.00015			
WG432646LRB	LRB	10/04/17 22:35				.000058	mg/L		-0.00011	0.00011			
WG432646LFB	LFB	10/04/17 22:37	MS170919-2	.05005		.049679	mg/L	99	85	115			
L40019-02LFM	LFM	10/04/17 22:56	MS170919-2	.05005	.0006	.049591	mg/L	98	70	130			
L40019-02LFMD	LFMD	10/04/17 22:58	MS170919-2	.05005	.0006	.049716	mg/L	98	70	130	0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

Conductivity @25C

SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG431641													
WG431641LCSW2	LCSW	09/20/17 16:32	PCN53965	1410		1390	umhos/cm	99	90	110			
WG431641LCSW5	LCSW	09/20/17 19:22	PCN53965	1410		1390	umhos/cm	99	90	110			
WG431641LCSW8	LCSW	09/20/17 22:29	PCN53965	1410		1500	umhos/cm	106	90	110			
WG431641LCSW11	LCSW	09/21/17 2:06	PCN53965	1410		1400	umhos/cm	99	90	110			
L39885-03DUP	DUP	09/21/17 4:10			708	704	umhos/cm				1	20	
WG431641LCSW14	LCSW	09/21/17 5:45	PCN53965	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
WG432608													
WG432608ICV	ICV	10/02/17 18:51	II171002-1	2		1.903	mg/L	95	95	105			
WG432608ICB	ICB	10/02/17 18:57				U	mg/L		-0.03	0.03			
WG432608LFB	LFB	10/02/17 19:10	II170920-2	.5		.504	mg/L	101	85	115			
L39885-03AS	AS	10/02/17 19:23	II170920-2	.5	U	.493	mg/L	99	85	115			
L39885-03ASD	ASD	10/02/17 19:26	II170920-2	.5	U	.5	mg/L	100	85	115	1	20	

Copper, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	2		1.981	mg/L	99	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.03	0.03			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.022	0.022			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	.5		.49	mg/L	98	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	.5	U	.505	mg/L	101	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	.5	U	.497	mg/L	99	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
WG430666													
WG430666ICV	ICV	09/06/17 17:19	WI170906-9	3.996		4.09	mg/L	102	90	110			
WG430666ICB	ICB	09/06/17 17:36				U	mg/L		-0.05	0.05			
WG433058													
WG433058LFB	LFB	10/09/17 20:33	WI170906-10	1.5		1.58	mg/L	105	90	110			
L39870-01DUP	DUP	10/09/17 21:09			.87	.84	mg/L				4	20	RA
L39870-02AS	AS	10/09/17 21:45	WI170906-10	30	U	32.6	mg/L	109	90	110			

Iron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432608													
WG432608ICV	ICV	10/02/17 18:51	II171002-1	2		1.898	mg/L	95	95	105			
WG432608ICB	ICB	10/02/17 18:57				U	mg/L		-0.06	0.06			
WG432608LFB	LFB	10/02/17 19:10	II170920-2	1.0011		1.012	mg/L	101	85	115			
L39885-03AS	AS	10/02/17 19:23	II170920-2	1.0011	U	.964	mg/L	96	85	115			
L39885-03ASD	ASD	10/02/17 19:26	II170920-2	1.0011	U	.984	mg/L	98	85	115	2	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

Iron, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432730													
WG432730ICV	ICV	10/04/17 15:34	II171002-1	2		1.921	mg/L	96	95	105			
WG432730ICB	ICB	10/04/17 15:39				U	mg/L		-0.06	0.06			
WG432530LRB	LRB	10/04/17 15:52				U	mg/L		-0.044	0.044			
WG432530LFB	LFB	10/04/17 15:55	II170920-2	1.0011		.965	mg/L	96	85	115			
L39885-02LFM	LFM	10/04/17 16:04	II170920-2	1.0011	.06	1.067	mg/L	101	70	130			
L39885-02LFMD	LFMD	10/04/17 16:07	II170920-2	1.0011	.06	1.064	mg/L	100	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
WG432791													
WG432791ICV	ICV	10/04/17 18:22	MS170901-1	.05		.05106	mg/L	102	90	110			
WG432791ICB	ICB	10/04/17 18:25				U	mg/L		-0.0003	0.0003			
WG432791LFB	LFB	10/04/17 18:28	MS170919-2	.0501		.04897	mg/L	98	85	115			
L39885-02AS	AS	10/04/17 18:36	MS170919-2	.0501	.0001	.04425	mg/L	88	70	130			
L39885-02ASD	ASD	10/04/17 18:37	MS170919-2	.0501	.0001	.05138	mg/L	102	70	130	15	20	

Lead, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432793													
WG432793ICV	ICV	10/04/17 22:31	MS170901-1	.05		.05281	mg/L	106	90	110			
WG432793ICB	ICB	10/04/17 22:33				U	mg/L		-0.0003	0.0003			
WG432646LRB	LRB	10/04/17 22:35				U	mg/L		-0.00022	0.00022			
WG432646LFB	LFB	10/04/17 22:37	MS170919-2	.0501		.05008	mg/L	100	85	115			
L40019-02LFM	LFM	10/04/17 22:56	MS170919-2	.0501	.0007	.05125	mg/L	101	70	130			
L40019-02LFMD	LFMD	10/04/17 22:58	MS170919-2	.0501	.0007	.05115	mg/L	101	70	130	0	20	

Magnesium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	100		101.38	mg/L	101	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.6	0.6			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.44	0.44			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	50.01363		46.15	mg/L	92	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	50.01363	45.1	92.4	mg/L	95	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	50.01363	45.1	92.48	mg/L	95	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
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	2		1.9835	mg/L	99	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.015	0.015			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.011	0.011			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	.5		.4955	mg/L	99	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	.5	.007	.5212	mg/L	103	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	.5	.007	.5147	mg/L	102	70	130	1	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

Mercury, total

M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432517													
WG432517ICV	ICV	10/02/17 16:10	HG170731-2	.005005		.00501	mg/L	100	95	105			
WG432517ICB	ICB	10/02/17 16:11				U	mg/L		-0.0002	0.0002			
WG432521													
WG432521LRB	LRB	10/02/17 18:26				U	mg/L		-0.00044	0.00044			
WG432521LFB	LFB	10/02/17 18:27	HG170926-3	.002002		.00196	mg/L	98	85	115			
L39851-06LFM	LFM	10/02/17 18:33	HG170926-3	.002002	U	.002	mg/L	100	85	115			
L39851-06LFMD	LFMD	10/02/17 18:36	HG170926-3	.002002	U	.00205	mg/L	102	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
WG432793													
WG432793ICV	ICV	10/04/17 22:31	MS170901-1	.01998		.02041	mg/L	102	90	110			
WG432793ICB	ICB	10/04/17 22:33				U	mg/L		-0.0015	0.0015			
WG432646LRB	LRB	10/04/17 22:35				U	mg/L		-0.0011	0.0011			
WG432646LFB	LFB	10/04/17 22:37	MS170919-2	.0501		.05083	mg/L	101	85	115			
L40019-02LFM	LFM	10/04/17 22:56	MS170919-2	.0501	U	.0495	mg/L	99	70	130			
L40019-02LFMD	LFMD	10/04/17 22:58	MS170919-2	.0501	U	.04925	mg/L	98	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
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	2.004		2.0115	mg/L	100	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.024	0.024			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.0176	0.0176			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	.4995		.5109	mg/L	102	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	.4995	U	.5207	mg/L	104	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	.4995	U	.5017	mg/L	100	70	130	4	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
WG432510													
WG432510ICV	ICV	09/30/17 17:08	WI170914-11	2.416		2.339	mg/L	97	90	110			
WG432510ICB	ICB	09/30/17 17:09				U	mg/L		-0.02	0.02			
WG432510LFB1	LFB	09/30/17 17:13	WI170705-5	2		2.041	mg/L	102	90	110			
L39851-01AS	AS	09/30/17 17:15	WI170705-5	2	.36	2.419	mg/L	103	90	110			
L39851-02DUP	DUP	09/30/17 17:18			.07	.069	mg/L				1	20	RA
WG432510LFB2	LFB	09/30/17 17:52	WI170705-5	2		2.035	mg/L	102	90	110			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

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
WG432736													
WG432736ICV	ICV	10/05/17 11:25	WI170706-6	11.988		11.895	mg/L	99	90	110			
WG432736ICB	ICB	10/05/17 11:26				U	mg/L		-0.05	0.05			
WG432845													
WG432845LFB1	LFB	10/05/17 11:48	WI170420-10	10		10.032	mg/L	100	90	110			
L39885-01AS	AS	10/05/17 11:51	WI170420-10	10	U	11.103	mg/L	111	90	110			M1
L39885-02DUP	DUP	10/05/17 11:54			16	112	mg/L				35	20	RA
WG432845LFB2	LFB	10/05/17 14:31	WI170420-10	10		10.092	mg/L	101	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
WG432284													
WG432284ICV	ICV	09/27/17 20:17	WI170906-2	4		4.09	mg/L	102	90	110			
WG432284ICB	ICB	09/27/17 20:18				U	mg/L		-0.1	0.1			
WG432286													
WG432212LRB1	LRB	09/27/17 22:06				U	mg/L		-0.1	0.1			
WG432212LFB1	LFB	09/27/17 22:07	WI170815-9	2.5		2.27	mg/L	91	90	110			
L39885-01DUP	DUP	09/27/17 22:09			U	U	mg/L				0	20	RA
L39911-02LFM	LFM	09/27/17 22:12	10XTKN	25	U	25.3	mg/L	101	90	110			
WG432212LRB2	LRB	09/27/17 22:40				U	mg/L		-0.1	0.1			
WG432212LFB2	LFB	09/27/17 22:41	WI170815-9	2.5		2.35	mg/L	94	90	110			
WG433365													
WG433365ICV	ICV	10/11/17 23:38	WI171006-5	4		4.13	mg/L	103	90	110			
WG433365ICB	ICB	10/11/17 23:39				U	mg/L		-0.1	0.1			
WG433163LRB1	LRB	10/11/17 23:40				U	mg/L		-0.1	0.1			
WG433163LFB1	LFB	10/11/17 23:41	WI171006-7	2.5		2.45	mg/L	98	90	110			
L35737-32LFM	LFM	10/11/17 23:43	WI171006-7	2.5	.1	2.34	mg/L	90	90	110			
L35738-32DUP	DUP	10/11/17 23:46			.1	U	mg/L				200	20	RA
WG433163LRB2	LRB	10/12/17 0:14				U	mg/L		-0.1	0.1			
WG433163LFB2	LFB	10/12/17 0:15	WI171006-7	2.5		2.43	mg/L	97	90	110			

Potassium, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	20		20.36	mg/L	102	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.6	0.6			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.44	0.44			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	100.002		97.57	mg/L	98	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	100.002	2.7	103.9	mg/L	101	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	100.002	2.7	102.6	mg/L	100	70	130	1	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG431592													
WG431592PBW	PBW	09/19/17 15:40				U	mg/L		-20	20			
WG431592LCSW	LCSW	09/19/17 15:41	PCN54016	260		252	mg/L	97	80	120			
L39923-01DUP	DUP	09/19/17 15:56			90	90	mg/L				0	10	RA

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L39885

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

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG431404													
WG431404PBW	PBW	09/17/17 11:45				U	mg/L		-15	15			
WG431404LCSW	LCSW	09/17/17 11:47	PCN54016	160		151	mg/L	94	80	120			
L39892-01DUP	DUP	09/17/17 12:17			1300	1400	mg/L				7	10	

Selenium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432793													
WG432793ICV	ICV	10/04/17 22:31	MS170901-1	.05		.05193	mg/L	104	90	110			
WG432793ICB	ICB	10/04/17 22:33				U	mg/L		-0.0003	0.0003			
WG432646LRB	LRB	10/04/17 22:35				U	mg/L		-0.00022	0.00022			
WG432646LFB	LFB	10/04/17 22:37	MS170919-2	.05005		.04858	mg/L	97	85	115			
L40019-02LFM	LFM	10/04/17 22:56	MS170919-2	.05005	.0002	.04764	mg/L	95	70	130			
L40019-02LFMD	LFMD	10/04/17 22:58	MS170919-2	.05005	.0002	.04913	mg/L	98	70	130	3	20	

Silica, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	42.8		41.79	mg/L	98	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.6	0.6			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.44	0.44			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	21.415		21.13	mg/L	99	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	21.415	6.6	28.93	mg/L	104	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	21.415	6.6	28.53	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
WG432791													
WG432791ICV	ICV	10/04/17 18:22	MS170901-1	.02004		.02071	mg/L	103	90	110			
WG432791ICB	ICB	10/04/17 18:25				U	mg/L		-0.00015	0.00015			
WG432791LFB	LFB	10/04/17 18:28	MS170919-2	.01001		.009981	mg/L	100	85	115			
L39885-02AS	AS	10/04/17 18:36	MS170919-2	.01001	U	.008764	mg/L	88	70	130			
L39885-02ASD	ASD	10/04/17 18:37	MS170919-2	.01001	U	.009071	mg/L	91	70	130	3	20	

Silver, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432793													
WG432793ICV	ICV	10/04/17 22:31	MS170901-1	.02004		.021531	mg/L	107	90	110			
WG432793ICB	ICB	10/04/17 22:33				U	mg/L		-0.00015	0.00015			
WG432646LRB	LRB	10/04/17 22:35				U	mg/L		-0.00011	0.00011			
WG432646LFB	LFB	10/04/17 22:37	MS170919-2	.01001		.010089	mg/L	101	85	115			
L40019-02LFM	LFM	10/04/17 22:56	MS170919-2	.01001	U	.009854	mg/L	98	70	130			
L40019-02LFMD	LFMD	10/04/17 22:58	MS170919-2	.01001	U	.009809	mg/L	98	70	130	0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

Sodium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	100		100.42	mg/L	100	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.6	0.6			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.44	0.44			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	100.0031		97.12	mg/L	97	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	100.0031	65.7	165.4	mg/L	100	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	100.0031	65.7	164.7	mg/L	99	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
WG430666													
WG430666ICV	ICV	09/06/17 17:19	WI170906-9	50		49.5	mg/L	99	90	110			
WG430666ICB	ICB	09/06/17 17:36				U	mg/L		-0.5	0.5			
WG433058													
WG433058LFB	LFB	10/09/17 20:33	WI170906-10	30		30.6	mg/L	102	90	110			
L39870-01DUP	DUP	10/09/17 21:09			689	689	mg/L				0	20	
L39870-02AS	AS	10/09/17 21:45	WI170906-10	600	671	1290	mg/L	103	90	110			
WG434656													
WG434656LFB	LFB	10/27/17 16:56	WI170906-10	30		31.2	mg/L	104	90	110			
L39885-02DUP	DUP	10/27/17 17:32			1120	1120	mg/L				0	20	
L40119-09AS	AS	10/27/17 18:08	WI170906-10	60	U	59.9	mg/L	100	90	110			

Sulfide as S

SM4500S2-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG431561													
WG431561ICV	ICV	09/19/17 12:45	WC170919-3	.32666		.333	mg/L	102	90	110			
WG431561ICB	ICB	09/19/17 12:48				U	mg/L		-0.06	0.06			
WG431562													
WG431562ICV	ICV	09/19/17 12:45	WC170919-3	.32666		.326	mg/L	100	90	110			
WG431562ICB	ICB	09/19/17 12:49				U	mg/L		-0.06	0.06			
WG431562LFB	LFB	09/19/17 12:53	WC170919-6	.2417733		.267	mg/L	110	80	120			
L39890-01AS	AS	09/19/17 13:47	WC170919-6	.2417733	U	.237	mg/L	98	75	125			
L39890-01DUP	DUP	09/19/17 13:51			U	U	mg/L				0	20	RA

Thallium, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432966													
WG432966ICV	ICV	10/06/17 12:53	MS170901-1	.05		.05089	mg/L	102	90	110			
WG432966ICB	ICB	10/06/17 12:55				U	mg/L		-0.0003	0.0003			
WG432646LRB	LRB	10/06/17 12:57				U	mg/L		-0.00022	0.00022			
WG432646LFB	LFB	10/06/17 12:59	MS170919-2	.0501		.04433	mg/L	88	85	115			
L40019-02LFM	LFM	10/06/17 13:09	MS170919-2	.0501	U	.04588	mg/L	92	70	130			
L40019-02LFMD	LFMD	10/06/17 13:11	MS170919-2	.0501	U	.04484	mg/L	90	70	130	2	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

Tin, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	2		2.041	mg/L	102	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.12	0.12			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.088	0.088			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	989		.991	mg/L	100	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	989	U	1.006	mg/L	102	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	989	U	.994	mg/L	101	70	130	1	20	

Uranium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432791													
WG432791ICV	ICV	10/04/17 18:22	MS170901-1	.05		.05124	mg/L	102	90	110			
WG432791ICB	ICB	10/04/17 18:25				U	mg/L		-0.0003	0.0003			
WG432791LFB	LFB	10/04/17 18:28	MS170919-2	.05		.05054	mg/L	101	85	115			
L39885-02AS	AS	10/04/17 18:36	MS170919-2	.05	.1947	.2438	mg/L	98	70	130			
L39885-02ASD	ASD	10/04/17 18:37	MS170919-2	.05	.1947	.2487	mg/L	108	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
WG432793													
WG432793ICV	ICV	10/04/17 22:31	MS170901-1	.05		.05149	mg/L	103	90	110			
WG432793ICB	ICB	10/04/17 22:33				U	mg/L		-0.0003	0.0003			
WG432646LRB	LRB	10/04/17 22:35				U	mg/L		-0.00022	0.00022			
WG432646LFB	LFB	10/04/17 22:37	MS170919-2	.05		.04971	mg/L	99	85	115			
L40019-02LFM	LFM	10/04/17 22:56	MS170919-2	.05	.0001	.05075	mg/L	101	70	130			
L40019-02LFMD	LFMD	10/04/17 22:58	MS170919-2	.05	.0001	.05089	mg/L	102	70	130	0	20	

Vanadium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	2		2.0237	mg/L	101	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.015	0.015			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.011	0.011			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	.4985		.4859	mg/L	97	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	.4985	U	.5037	mg/L	101	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	.4985	U	.4994	mg/L	100	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
WG432608													
WG432608ICV	ICV	10/02/17 18:51	II171002-1	2		1.952	mg/L	98	95	105			
WG432608ICB	ICB	10/02/17 18:57				U	mg/L		-0.03	0.03			
WG432608LFB	LFB	10/02/17 19:10	II170920-2	.4942		.563	mg/L	114	85	115			
L39885-03AS	AS	10/02/17 19:23	II170920-2	.4942	.53	1.014	mg/L	98	85	115			
L39885-03ASD	ASD	10/02/17 19:26	II170920-2	.4942	.53	1.034	mg/L	102	85	115	2	20	

Energy Fuels Resources (USA) Inc.ACZ Project ID: **L39885****Zinc, total recoverable**

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG432666													
WG432666ICV	ICV	10/03/17 16:14	II171002-1	2		1.967	mg/L	98	95	105			
WG432666ICB	ICB	10/03/17 16:20				U	mg/L		-0.03	0.03			
WG432530LRB	LRB	10/03/17 16:33				U	mg/L		-0.022	0.022			
WG432530LFB	LFB	10/03/17 16:36	II170920-2	.4942		.501	mg/L	101	85	115			
L39885-02LFM	LFM	10/03/17 16:46	II170920-2	.4942	U	.51	mg/L	103	70	130			
L39885-02LFMD	LFMD	10/03/17 16:49	II170920-2	.4942	U	.501	mg/L	101	70	130	2	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L39885-01	WG431368	Biochemical Oxygen Demand (5 day)	SM5210B	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	KA	The seed depletion was outside the method acceptance limits, the DO-axis intercept is > 0.2 mg/L. The reported result is an estimated value.
			SM5210B	RJ	LCS/LCSD RPD or RSD exceeded the method or laboratory control limit. Sample(s) could not be re-prepped. See Case Narrative.
	WG431877	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).
	WG433058	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).
	WG432510	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).
	WG432845	Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			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).
	WG432286	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).
	WG431592	Residue, Filterable (TDS) @180C	SM2540C	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).
	WG432666	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.
	WG431562	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.

ACZ Project ID: **L39885**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L39885-02	WG431368	Biochemical Oxygen Demand (5 day)	SM5210B	KA	The seed depletion was outside the method acceptance limits, the DO-axis intercept is > 0.2 mg/L. The reported result is an estimated value.
			SM5210B	RJ	LCS/LCSD RPD or RSD exceeded the method or laboratory control limit. Sample(s) could not be re-prepped. See Case Narrative.
	WG431877	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).
	WG433058	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).
	WG432510	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).
	WG432845	Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			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).
	WG433365	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).
	WG431592	Residue, Filterable (TDS) @180C	SM2540C	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).
	WG432666	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.
	WG434656	Sulfate	M300.0 - Ion Chromatography	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
	WG431562	Sulfide as S	SM4500S2-D	QD	Reported value is the background-corrected concentration, as described by the method.
			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: **L39885**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L39885-03	WG431368	Biochemical Oxygen Demand (5 day)	SM5210B	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	KA	The seed depletion was outside the method acceptance limits, the DO-axis intercept is > 0.2 mg/L. The reported result is an estimated value.
			SM5210B	RJ	LCS/LCSD RPD or RSD exceeded the method or laboratory control limit. Sample(s) could not be re-prepped. See Case Narrative.
	WG431877	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).
	WG433058	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).
	WG432510	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).
	WG432845	Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			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).
	WG433365	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).
	WG431592	Residue, Filterable (TDS) @180C	SM2540C	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).
	WG432666	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.
	WG431562	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: Canyon Mine 3rd Quarter 20
Sample ID: DISCHARGE

ACZ Sample ID: **L39885-03**
Date Sampled: 09/14/17 8:50
Date Received: 09/15/17
Sample Matrix: Ground Water

Oil & Grease, Total Recoverable

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

Workgroup: **WG431745**
Analyst: jmm
Extract Date:
Analysis Date: 09/21/17 10:45

Compound	CAS	Result	QUAL	Dilution	XO	Units	MDL	PQL
Oil and Grease			U	0.99	*	mg/L	2	9.9

Arizona license number: **AZ0102**

Report Header Explanations

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

QC Sample Types

<i>SURR</i>	Surrogate	<i>LFM</i>	Laboratory Fortified Matrix
<i>INTS</i>	Internal Standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>LCSW</i>	Laboratory Control Sample - Water	<i>PBS</i>	Prep Blank - Soil
<i>LFB</i>	Laboratory Fortified Blank	<i>PBW</i>	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)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
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:

<http://www.acz.com/public/extqualist.pdf>

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

Oil & Grease, Total Recoverable

1664A - Gravimetric

WG431745

MS	Sample ID: L39891-01MS			PCN/SCN: OP170914-2			Analyzed: 09/21/17 11:10			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40	U	23.8	mg/L	60.0	78	114			M2

LCSW		Sample ID: WG431745LCSW		PCN/SCN: OP170914-2			Analyzed: 09/21/17 12:13			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40		38.8	mg/L	97.0	78	114			

LCSWD		Sample ID: WG431745LCSWD		PCN/SCN: OP170914-2			Analyzed: 09/21/17 12:20			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40		37.7	mg/L	94.0	78	114	3	18	

PBW		Sample ID: WG431745PBW					Analyzed: 09/21/17 10:20			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE			U	mg/L						

ACZ Project ID: **L39885**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L39885-01	WG431745	Oil and Grease	1664A - Gravimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L39885-02	WG431745	Oil and Grease	1664A - Gravimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L39885-03	WG431745	Oil and Grease	1664A - Gravimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

Energy Fuels Resources (USA) Inc.

Project ID: Canyon Mine 3rd Quarter 2017
Sample ID: DISCHARGE
Locator:

ACZ Sample ID: **L39885-03**
Date Sampled: 09/14/17 8:50
Date Received: 09/15/17
Sample Matrix: Ground Water

Combined Radium

Prep Method:

Calculation (RA226 + RA228)

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium	11/09/17 13:36		26			pCi/L		calc

Gross Alpha & Beta, total
M900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	10/12/17 0:07		110	11	9.8	pCi/L	*	leb
Gross Beta	10/12/17 0:07		72	6.5	7.5	pCi/L	*	leb

Gross Alpha, dissolved
M900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, dissolved	10/12/17 0:07		98	11	11	pCi/L		jlg

Lead 210, total
EICHROM, OTW01

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, total	10/02/17 16:22		28	1.9	3.3	pCi/L	*	tjr

Radium 226
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226	10/24/17 0:07		26	0.6	0.07	pCi/L		tjr

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	10/25/17 0:05		16	0.49	0.16	pCi/L		leb

Arizona license number: **AZ0102**

Energy Fuels Resources (USA) Inc.

Project ID: Canyon Mine 3rd Quarter 2017
Sample ID: DISCHARGE
Locator:

ACZ Sample ID: **L39885-03**
Date Sampled: 09/14/17 8:50
Date Received: 09/15/17
Sample Matrix: Ground Water

Radium 228
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228	10/10/17 17:44		-1	0.94	1.1	pCi/L	*	gjb

Radium 228, dissolved
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	10/11/17 14:06		-0.1	0.58	0.62	pCi/L		jlg

Thorium, Isotopic
ESM 4506

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	09/20/17 0:17		-0.26	0.34	0.22	pCi/L	*	djc
Thorium 230	09/20/17 0:17		0.88	0.44	0.58	pCi/L	*	djc
Thorium 232	09/20/17 0:17		0.15	0.21	0.22	pCi/L	*	djc

Uranium, Isotopic dissolved
Eichrom ACW03

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234	10/18/17 0:04		59	5.7	1.1	pCi/L	*	djc
Uranium 235	10/18/17 0:04		0.6	0.97	1.1	pCi/L	*	djc
Uranium 238	10/18/17 0:04		23.7	3.7	1.1	pCi/L	*	djc


Report Header Explanations

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

QC Sample Types

<i>DUP</i>	Sample Duplicate	<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>PBS</i>	Prep Blank - Soil
<i>LCSW</i>	Laboratory Control Sample - Water	<i>PBW</i>	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.
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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:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

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
WG433501																
WG433179PBW	PBW	10/12/17						1.2	1.5	3.3			6.6			
WG433179LCSW	LCSW	10/12/17	PCN54030	100				88	8.1	4.6	88	67	144			
L39956-04DUP	DUP-RER	10/12/17			4.6	4.9	10	13	6.5	18				1.03	2	
L40252-04DUP	DUP-RER	10/12/17			4.9	3.2	13	1.8	2.8	11				0.73	2	
L39956-05MS	MS	10/12/17	PCN54030	100	9.9	3.9	7.2	72	9.1	12	62	67	144			M2

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
WG433501																
WG433179PBW	PBW	10/12/17						1.7	2.9	9.3			18.6			
WG433179LCSW	LCSW	10/12/17	RC170915-10	100				96	6.3	9.1	96	82	122			
L39956-04DUP	DUP-RER	10/12/17			28	7.8	20	26	8	15				0.18	2	
L40252-04DUP	DUP-RER	10/12/17			31	5	11	30	5	14				0.14	2	
L40252-05MS	MS	10/12/17	RC170915-10	100	41	5.5	15	170	9.7	16	129	82	122			M1

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
WG433511																
WG432932PBW	PBW	10/12/17						.38	1.3	3.3			6.6			
WG432932LCSW	LCSW	10/12/17	PCN54030	100				97	8.5	4.7	97	67	144			
L39885-03DUP	DUP-RER	10/12/17			98	11	11	95	11	11				0.19	2	
L39932-09DUP	DUP-RER	10/12/17			14	4.8	7.7	3.8	3.3	11				1.75	2	
L39885-01MS	MS	10/12/17	PCN54030	100	11	4.2	7.3	88	10	12	77	67	144			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L39885

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
WG432652																
WG432030LCSW	LCSW	10/02/17	PCN54285	99.65				92	3	3.6	92	55	121			
WG432030PBW	PBW	10/02/17						4.3	1.4	3.8			7.6			
L39278-03MS	MS	10/02/17	PCN54285	249.11	3.5	1.3	3.4	220	7	9.1	87	55	121			
L39885-01DUP	DUP-RER	10/02/17			0.06	1.2	3.6	1.3	1.2	3.5				0.73	2	
L39885-03DUP	DUP-RER	10/02/17			28	1.9	3.3	26	1.9	3.7				0.74	2	

Radium 226

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
WG434443																
WG433668PBW	PBW	10/24/17						.01	0.06	0.15			0.3			
WG433668LCSW	LCSW	10/24/17	PCN52691	20				17	0.55	0.25	85	43	148			
L39932-04DUP	DUP-RER	10/24/17			0.29	0.13	0.13	.23	0.09	0.12				0.38	2	
L39956-01DUP	DUP-RER	10/24/17			0.09	0.05	0.04	.07	0.07	0.06				0.23	2	
L39956-02MS	MS	10/24/17	PCN52691	20	0.09	0.07	0.05	21	0.59	0.06	105	43	148			

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
WG434552																
WG433713PBW	PBW	10/25/17						.11	0.08	0.09			0.18			
WG433713LCSW	LCSW	10/25/17	PCN52691	20				21	0.57	0.03	105	43	148			
L39885-02DUP	DUP-RER	10/25/17			4.5	0.33	0.33	4.3	0.26	0.1				0.48	2	
L39957-01DUP	DUP-RER	10/25/17			0.21	0.11	0.24	.13	0.07	0.05				0.61	2	
L39958-03MS	MS	10/25/17	PCN52691	20	0.05	0.06	0.07	20	0.56	0.05	100	43	148			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

Radium 228

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
WG433351																
WG432349LCSW	LCSW	10/10/17	PCN53180	9.35				7.2	1	0.72	77	47	123			
WG432349PBW	PBW	10/10/17						-.98	0.28	0.36			0.72			
L39935-01DUP	DUP-RER	10/10/17			-0.67	0.61	0.69	-.37	0.61	0.67				0.35	2	
L39885-02DUP	DUP-RER	10/10/17			-2.2	2.1	2.4	-2.1	2.3	2.5				0.03	2	
L39958-09MS	MS	10/10/17	PCN53180	9.35	-0.24	0.91	0.98	6.8	0.94	0.67	75	47	123			

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
WG433447																
WG432636LCSW	LCSW	10/11/17	PCN53180	9.34				7.9	1	0.66	85	47	123			
WG432636PBW	PBW	10/11/17						-.26	0.29	0.33			0.66			
L39885-01DUP	DUP-RER	10/11/17			-0.2	0.63	0.68	-.57	0.57	0.64				0.44	2	
L39885-03MS	MS	10/11/17	PCN53180	9.34	-0.1	0.58	0.62	7	1	0.71	76	47	123			
L39932-10DUP	DUP-RER	10/11/17			0.67	0.73	0.74	.22	0.75	0.79				0.43	2	

Thorium 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
WG432021																
WG431424PBW	PBW	09/20/17						-.04	0.27	0.21			0.42			
L39276-01DUP	DUP-RER	09/20/17			0.04	0.32	0.23	-.47	0.67	0.47				0.69	2	
L39885-03DUP	DUP-RER	09/20/17			-0.26	0.34	0.22	-.22	0.25	0.21				0.09	2	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

Thorium 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
WG432021																
WG431424PBW	PBW	09/20/17						-.11	0.29	0.54			1.08			
WG431424LCSW	LCSW	09/20/17	PCN52270	200				220	5.4	0.68	110	91	126			
L39276-01DUP	DUP-RER	09/20/17			0.02	0.32	0.59	-1	0.78	1.2				1.21	2	
L39885-03DUP	DUP-RER	09/20/17			0.88	0.44	0.58	-.04	0.43	0.55				1.5	2	
L39885-01MS	MS	09/20/17	PCN52270	200	-0.2	0.3	0.54	190	4.6	0.56	95	91	126			

Thorium 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
WG432021																
WG431424PBW	PBW	09/20/17						-.05	0.12	0.21			0.42			
L39276-01DUP	DUP-RER	09/20/17			-0.13	0.21	0.23	-.12	0.36	0.47				0.02	2	
L39885-03DUP	DUP-RER	09/20/17			0.15	0.21	0.22	-.14	0.17	0.21				1.07	2	

Uranium 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
WG433537																
WG432557PBW	PBW	10/11/17						.31	0.77	0.89			1.78			
WG432557LCSW	LCSW	10/11/17	PCN53766	197				160	10	1.3	81	77	122			
L39587-01DUP	DUP-RER	10/11/17			1.6	1.4	1	1.5	1.8	1				0.04	2	
L39701-01DUP	DUP-RER	10/11/17			6.1	1.8	0.86	4.7	2	0.89				0.52	2	
L39629-03MS	MS	10/11/17	PCN53766	197	3.8	1.8	0.9	180	11	1.2	89	77	122			
WG434071																
WG433078PBW	PBW	10/18/17						.21	0.91	0.9			1.8			
WG433078LCSW	LCSW	10/18/17	PCN53766	197				170	12	1.6	86	77	122			
L39885-03DUP	DUP-RER	10/18/17			59	5.7	1.1	56	5.4	0.93				0.38	2	
L39932-09DUP	DUP-RER	10/18/17			1.6	1.2	0.92	1.4	1.4	1.1				0.11	2	
L39932-01MS	MS	10/18/17	PCN53766	197	5.5	1.8	0.94	200	14	1.8	99	77	122			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L39885

Uranium 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
WG433537																
WG432557PBW	PBW	10/11/17						-.41	0.52	0.89			1.78			
WG432557LCSW	LCSW	10/11/17	PCN53766	8.97				4.4	1.8	1.3	49	42	136			
L39587-01DUP	DUP-RER	10/11/17			-0.35	0.8	1	-.69	1	1				0.27	2	
L39701-01DUP	DUP-RER	10/11/17			0.1	0.69	0.86	0	0.61	0.89				0.11	2	
L39629-03MS	MS	10/11/17	PCN53766	8.97	0.2	0.81	0.9	7.6	2.4	1.2	82	42	136			
WG434071																
WG433078PBW	PBW	10/18/17						-.31	0.71	0.9			1.8			
WG433078LCSW	LCSW	10/18/17	PCN53766	8.97				5.5	2.7	1.6	61	42	136			
L39885-03DUP	DUP-RER	10/18/17			0.6	0.97	1.1	.21	1.3	0.93				0.24	2	
L39932-09DUP	DUP-RER	10/18/17			-0.21	0.76	0.92	-.49	0.82	1.1				0.25	2	
L39932-01MS	MS	10/18/17	PCN53766	8.97	0	0.78	0.94	8.5	3.2	1.8	95	42	136			

Uranium 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
WG433537																
WG432557PBW	PBW	10/11/17						.1	0.57	0.89			1.78			
WG432557LCSW	LCSW	10/11/17	PCN53766	195				183	11	1.3	94	87	124			
L39587-01DUP	DUP-RER	10/11/17			-0.08	1	1	3	2	1				1.38	2	
L39701-01DUP	DUP-RER	10/11/17			1.87	1	0.86	.71	1	0.89				0.82	2	
L39629-03MS	MS	10/11/17	PCN53766	195	1.41	1.3	0.9	179	11	1.2	91	87	124			
WG434071																
WG433078PBW	PBW	10/18/17						0	0.75	0.9			1.8			
WG433078LCSW	LCSW	10/18/17	PCN53766	195				232	14	1.6	119	87	124			
L39885-03DUP	DUP-RER	10/18/17			23.7	3.7	1.1	24.3	3.8	0.93				0.11	2	
L39932-09DUP	DUP-RER	10/18/17			-0.1	0.73	0.92	1.24	1.3	1.1				0.9	2	
L39932-01MS	MS	10/18/17	PCN53766	195	1.17	1.5	0.94	206	14	1.8	105	87	124			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L39885-01	WG433501	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Gross Beta	M900.0	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG433351	Radium 228	M904.0	DJ	Sample dilution required due to insufficient sample.
L39885-02	WG433501	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Gross Beta	M900.0	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG432652	Lead 210, total	EICHROM, OTW01	DF	Sample required dilution due to high sediment.
	WG434443	Radium 226	M903.1	DF	Sample required dilution due to high sediment.
	WG433351	Radium 228	M904.0	DF	Sample required dilution due to high sediment.
	WG432021	Thorium 228	ESM 4506	D1	Sample required dilution due to matrix.
		Thorium 230	ESM 4506	D1	Sample required dilution due to matrix.
		Thorium 232	ESM 4506	D1	Sample required dilution due to matrix.
	WG434071	Uranium 234	Eichrom ACW03	D1	Sample required dilution due to matrix.
		Uranium 235	Eichrom ACW03	D1	Sample required dilution due to matrix.
		Uranium 238	Eichrom ACW03	D1	Sample required dilution due to matrix.
L39885-03	WG433501	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Gross Beta	M900.0	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG433351	Radium 228	M904.0	DJ	Sample dilution required due to insufficient sample.

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L39885**

Radiochemistry

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

Lead 210, total	EICHROM, OTW01
Thorium 228	ESM 4506
Thorium 230	ESM 4506
Thorium 232	ESM 4506
Uranium 234	Eichrom ACW03
Uranium 235	Eichrom ACW03
Uranium 238	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	ESM 4506
Thorium 230	ESM 4506
Thorium 232	ESM 4506
Uranium 234	Eichrom ACW03
Uranium 235	Eichrom ACW03
Uranium 238	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
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Energy Fuels Resources (USA) Inc.
Canyon Mine 3rd Quarter 2017

ACZ Project ID: L39885
Date Received: 09/15/2017 09:54
Received By:
Date Printed: 9/15/2017

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? A change was made in the Sample ID Lines 1&2 section prior to ACZ custody.	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?
3525	3.3	<=6.0	13	Yes
4687	4	<=6.0	13	Yes
5213	5.3	<=6.0	14	Yes

Was ice present in the shipment container(s)?

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

Energy Fuels Resources (USA) Inc.
Canyon Mine 3rd Quarter 2017

ACZ Project ID: L39885

Date Received: 09/15/2017 09:54

Received By:

Date Printed: 9/15/2017

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).

December 07, 2017

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 Mine 4th Quarter 2017

ACZ Project ID: L40609

Kathy Weinel:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 18, 2017. This project has been assigned to ACZ's project number, L40609. Please reference this number in all future inquiries.

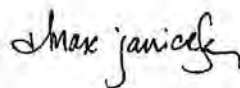
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L40609. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

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 January 06, 2018. 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.

December 07, 2017

Project ID: Canyon Mine 4th Quarter 2017

ACZ Project ID: L40609

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 3 ground water samples from Energy Fuels Resources (USA) Inc. on October 18, 2017. 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 L40609. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

Any analyses not performed within EPA recommended holding times have been qualified with an "H" flag.

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:

The total recoverable Antimony results for L40609-03 have been qualified with the N1 flag on the extended qualifier report. The chemist noted that the associated Lab Fortified Blank (LFB) had recovery above standard acceptance limits for this analyte. There is insufficient sample to re-digest and reanalyze for Antimony; comparison of results to historical levels and/or data qualification may be necessary.

Energy Fuels Resources (USA) Inc.

Project ID: Canyon Mine 4th Quarter 20

Sample ID: DISCHARGE

ACZ Sample ID: **L40609-03**

Date Sampled: 10/17/17 06:50

Date Received: 10/18/17

Sample Matrix: Ground Water

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Nitrogen, total Kjeldahl	M351.2 - Block Digestor								11/01/17 12:39	spl
Total Recoverable Digestion	M200.2 ICP								11/03/17 9:42	scp
Total Recoverable Digestion	M200.2 ICP-MS								10/31/17 17:46	mfm

Energy Fuels Resources (USA) Inc.

Project ID: Canyon Mine 4th Quarter 20
Sample ID: DISCHARGE

ACZ Sample ID: **L40609-03**
Date Sampled: 10/17/17 06:50
Date Received: 10/18/17
Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, total recoverable	M200.7 ICP	1	0.66			mg/L	0.03	0.2	11/06/17 16:13	aeH
Antimony, total recoverable	M200.8 ICP-MS	1	0.0049		*	mg/L	0.0004	0.002	11/03/17 13:28	mfm
Arsenic, total recoverable	M200.8 ICP-MS	1	0.299			mg/L	0.0002	0.001	11/01/17 13:13	mfm
Barium, total recoverable	M200.7 ICP	1	0.144			mg/L	0.003	0.02	11/06/17 16:13	aeH
Beryllium, total recoverable	M200.8 ICP-MS	1	0.00007	B		mg/L	0.00005	0.0003	11/01/17 13:13	mfm
Boron, total recoverable	M200.7 ICP	1	0.06			mg/L	0.01	0.05	11/06/17 16:13	aeH
Cadmium, total recoverable	M200.8 ICP-MS	1	0.001			mg/L	0.0001	0.0005	11/01/17 13:13	mfm
Calcium, total recoverable	M200.7 ICP	1	73.8			mg/L	0.1	0.5	11/06/17 16:13	aeH
Chromium, total recoverable	M200.7 ICP	1		U		mg/L	0.01	0.05	11/06/17 16:13	aeH
Cobalt, total recoverable	M200.8 ICP-MS	1	0.0629			mg/L	0.00005	0.0003	11/01/17 13:13	mfm
Copper, dissolved	M200.7 ICP	1	0.01	B		mg/L	0.01	0.05	11/03/17 19:27	dcm
Copper, total recoverable	M200.7 ICP	1	0.22			mg/L	0.01	0.05	11/06/17 16:13	aeH
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	11/03/17 19:27	dcm
Iron, total recoverable	M200.7 ICP	1	3.77			mg/L	0.02	0.05	11/06/17 16:13	aeH
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	11/09/17 18:27	msh
Lead, total recoverable	M200.8 ICP-MS	1	0.0149			mg/L	0.0001	0.0005	11/01/17 13:13	mfm
Magnesium, total recoverable	M200.7 ICP	1	44.3			mg/L	0.2	1	11/06/17 16:13	aeH
Manganese, total recoverable	M200.7 ICP	1	0.036			mg/L	0.005	0.03	11/06/17 16:13	aeH
Mercury, total	M245.1 CVAA	1		U		mg/L	0.0002	0.001	11/07/17 9:49	sck
Molybdenum, total recoverable	M200.8 ICP-MS	1	0.0677			mg/L	0.0005	0.003	11/01/17 13:13	mfm
Nickel, total recoverable	M200.7 ICP	1	0.200			mg/L	0.008	0.04	11/06/17 16:13	aeH
Potassium, total recoverable	M200.7 ICP	1	5.7			mg/L	0.2	1	11/06/17 16:13	aeH
Selenium, total recoverable	M200.8 ICP-MS	1	0.0012			mg/L	0.0001	0.0003	11/01/17 13:13	mfm
Silica, total recoverable	M200.7 ICP	1	13.0		*	mg/L	0.2	1	11/06/17 16:13	aeH
Silver, dissolved	M200.8 ICP-MS	1		U		mg/L	0.00005	0.0003	11/09/17 18:27	msh
Silver, total recoverable	M200.8 ICP-MS	1	0.00016	B		mg/L	0.00005	0.0003	11/01/17 13:13	mfm
Sodium, total recoverable	M200.7 ICP	1	15.7			mg/L	0.2	1	11/06/17 16:13	aeH
Thallium, total recoverable	M200.8 ICP-MS	1	0.0014			mg/L	0.0001	0.0005	11/01/17 13:13	mfm
Tin, total recoverable	M200.7 ICP	1		U		mg/L	0.04	0.2	11/06/17 16:13	aeH
Uranium, dissolved	M200.8 ICP-MS	1	0.091			mg/L	0.0001	0.0005	11/09/17 18:27	msh

Energy Fuels Resources (USA) Inc.

Project ID: Canyon Mine 4th Quarter 20
Sample ID: DISCHARGE

ACZ Sample ID: **L40609-03**
Date Sampled: 10/17/17 06:50
Date Received: 10/18/17
Sample Matrix: Ground Water

Uranium, total recoverable	M200.8 ICP-MS	1	0.0988		mg/L	0.0001	0.0005	11/01/17 13:13	mfm
Vanadium, total recoverable	M200.7 ICP	1		U	mg/L	0.005	0.03	11/06/17 16:13	aeH
Zinc, dissolved	M200.7 ICP	1	0.22		mg/L	0.01	0.05	11/03/17 19:27	dcm
Zinc, total recoverable	M200.7 ICP	1	0.78		mg/L	0.01	0.05	11/06/17 16:13	aeH

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration									
Bicarbonate as CaCO ₃		1	218			mg/L	2	20	10/20/17 0:00	emk
Carbonate as CaCO ₃		1	7.9	B		mg/L	2	20	10/20/17 0:00	emk
Hydroxide as CaCO ₃		1		U		mg/L	2	20	10/20/17 0:00	emk
Total Alkalinity		1	226			mg/L	2	20	10/20/17 0:00	emk
Biochemical Oxygen Demand (5 day)	SM5210B	1	3.0		*	mg/L	2	2	10/18/17 15:52	che
Chemical Oxygen Demand	M410.4	1		U	*	mg/L	10	20	11/03/17 10:30	che
Chloride	M300.0 - Ion Chromatography	2	32.5	H	*	mg/L	0.8	4	11/17/17 2:17	krh
Conductivity @25C	SM2510B	1	728			umhos/cm	1	10	10/20/17 2:31	emk
Fluoride	M300.0 - Ion Chromatography	2	0.23	BH	*	mg/L	0.1	0.5	11/17/17 2:17	krh
Nitrate/Nitrite as N	M353.2 - H ₂ SO ₄ preserved	1	1.51			mg/L	0.02	0.1	11/02/17 23:12	pjb
Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffusion	1	0.28		*	mg/L	0.05	0.2	11/08/17 12:24	las
Nitrogen, organic	M351.2 & M350.1 - TKN minus NH ₃		1.1			mg/L	0.1	0.5	12/07/17 0:00	calc
Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	1	1.4		*	mg/L	0.1	0.5	11/02/17 23:06	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	448		*	mg/L	10	20	10/19/17 11:52	che
Residue, Non-Filterable (TSS) @105C	SM2540D	10	80.0	B	*	mg/L	50	200	10/20/17 10:23	ecc
Sulfate	M300.0 - Ion Chromatography	2	137	H	*	mg/L	0.8	4	11/17/17 2:17	krh
Sulfide as S	SM4500S2-D	1		U	*	mg/L	0.02	0.1	10/18/17 14:05	emk

Arizona license number: AZ0102



Report Header Explanations

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

QC Sample Types

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

<http://www.acz.com/public/extqualist.pdf>

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**
Alkalinity as CaCO3
SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG433991													
WG433991PBW1	PBW	10/19/17 16:21				U	mg/L		-20	20			
WG433991LCSW3	LCSW	10/19/17 16:36	WC171017-7	820.0001		790	mg/L	96	90	110			
WG433991LCSW6	LCSW	10/19/17 20:08	WC171017-7	820.0001		818	mg/L	100	90	110			
WG433991PBW2	PBW	10/19/17 20:16				2.6	mg/L		-20	20			
WG433991LCSW9	LCSW	10/20/17 0:30	WC171017-7	820.0001		818	mg/L	100	90	110			
WG433991PBW3	PBW	10/20/17 0:39				3	mg/L		-20	20			
L40602-01DUP	DUP	10/20/17 2:21			132	130	mg/L				2	20	
L40610-02DUP	DUP	10/20/17 3:07			95.2	101	mg/L				6	20	
WG433991LCSW12	LCSW	10/20/17 3:23	WC171017-7	820.0001		821	mg/L	100	90	110			
WG433991PBW4	PBW	10/20/17 3:31				U	mg/L		-20	20			
WG433991LCSW15	LCSW	10/20/17 6:45	WC171017-7	820.0001		822	mg/L	100	90	110			

Aluminum, total recoverable
M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	2		1.946	mg/L	97	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.09	0.09			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.066	0.066			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	1.0019		1.051	mg/L	105	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	1.0019	U	1.046	mg/L	104	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	1.0019	U	1.036	mg/L	103	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
WG435023													
WG435023ICV	ICV	11/01/17 12:43	MS171020-3	.02		.02176	mg/L	109	90	110			
WG435023ICB	ICB	11/01/17 12:46				.00065	mg/L		-0.0012	0.0012			
WG434930LRB	LRB	11/01/17 12:49				U	mg/L		-0.00088	0.00088			
WG434930LFB	LFB	11/01/17 12:52	MS171009-2	.01		.01203	mg/L	120	85	115			LA
L40609-02LFM	LFM	11/01/17 13:07	MS171009-2	.01	U	.01264	mg/L	126	70	130			
L40609-02LFMD	LFMD	11/01/17 13:10	MS171009-2	.01	U	.01261	mg/L	126	70	130	0	20	
WG435172													
WG435172ICV	ICV	11/03/17 12:56	MS171020-3	.02		.02178	mg/L	109	90	110			
WG435172ICB	ICB	11/03/17 12:58				.00073	mg/L		-0.0012	0.0012			
WG434629LRB	LRB	11/03/17 13:00				U	mg/L		-0.00088	0.00088			
WG434930LRB	LRB	11/03/17 13:14				U	mg/L		-0.00088	0.00088			
WG434930LFB	LFB	11/03/17 13:16	MS171009-2	.01		.01375	mg/L	138	85	115			N1
L40609-02LFM	LFM	11/03/17 13:24	MS171009-2	.01	.0006	.01462	mg/L	140	70	130			M1
L40609-02LFMD	LFMD	11/03/17 13:26	MS171009-2	.01	.0006	.01457	mg/L	140	70	130	0	20	M1

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**
Arsenic, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435023													
WG435023ICV	ICV	11/01/17 12:43	MS171020-3	.05		.05039	mg/L	101	90	110			
WG435023ICB	ICB	11/01/17 12:46				U	mg/L		-0.0006	0.0006			
WG434930LRB	LRB	11/01/17 12:49				U	mg/L		-0.00044	0.00044			
WG434930LFB	LFB	11/01/17 12:52	MS171009-2	.0501		.04937	mg/L	99	85	115			
L40609-02LFM	LFM	11/01/17 13:07	MS171009-2	.0501	.0148	.06762	mg/L	105	70	130			
L40609-02LFMD	LFMD	11/01/17 13:10	MS171009-2	.0501	.0148	.06652	mg/L	103	70	130	2	20	

Barium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	2		1.9598	mg/L	98	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.009	0.009			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.0066	0.0066			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	.5015		.5113	mg/L	102	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	.5015	U	.5071	mg/L	101	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	.5015	U	.5008	mg/L	100	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
WG435023													
WG435023ICV	ICV	11/01/17 12:43	MS171020-3	.05		.04801	mg/L	98	90	110			
WG435023ICB	ICB	11/01/17 12:46				U	mg/L		-0.00015	0.00015			
WG434930LRB	LRB	11/01/17 12:49				U	mg/L		-0.00011	0.00011			
WG434930LFB	LFB	11/01/17 12:52	MS171009-2	.05035		.04853	mg/L	96	85	115			
L40609-02LFM	LFM	11/01/17 13:07	MS171009-2	.05035	.0002	.0493	mg/L	98	70	130			
L40609-02LFMD	LFMD	11/01/17 13:10	MS171009-2	.05035	.0002	.04876	mg/L	96	70	130	1	20	

Biochemical Oxygen Demand (5 day)

SM5210B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG433871													
WG433871LCSW1	LCSW	10/18/17 15:56	BODLCSW	198		195	mg/L	98	84.6	115.4			
WG433871LCSW2	LCSW	10/18/17 16:00	BODLCSW	198		152	mg/L	77	84.6	115.4			
WG433871LCSW3	LCSW	10/18/17 16:04	BODLCSW	198		183	mg/L	92	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
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	2		1.996	mg/L	100	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.03	0.03			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.022	0.022			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	.5005		.5	mg/L	100	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	.5005	U	.499	mg/L	100	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	.5005	U	.494	mg/L	99	70	130	1	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

Cadmium, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435023													
WG435023ICV	ICV	11/01/17 12:43	MS171020-3	.05		.05139	mg/L	103	90	110			
WG435023ICB	ICB	11/01/17 12:46				U	mg/L		-0.0003	0.0003			
WG434930LRB	LRB	11/01/17 12:49				U	mg/L		-0.00022	0.00022			
WG434930LFB	LFB	11/01/17 12:52	MS171009-2	.05005		.04941	mg/L	99	85	115			
L40609-02LFM	LFM	11/01/17 13:07	MS171009-2	.05005	.0024	.04984	mg/L	95	70	130			
L40609-02LFMD	LFMD	11/01/17 13:10	MS171009-2	.05005	.0024	.05004	mg/L	95	70	130	0	20	

Calcium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	100		99.58	mg/L	100	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.3	0.3			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.22	0.22			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	68.01098		69.32	mg/L	102	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	68.01098	U	68.91	mg/L	101	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	68.01098	U	68.43	mg/L	101	70	130	1	20	

Chemical Oxygen Demand

M410.4

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435211													
WG435211ICV	ICV	11/03/17 9:00	WC171017-4	200		203	mg/L	102	90	110			
WG435211ICB	ICB	11/03/17 9:15				U	mg/L		-10	10			
WG435211LRB	LRB	11/03/17 9:30				U	mg/L		-10	10			
WG435211LFB	LFB	11/03/17 9:45	WC171017-6	50		53	mg/L	106	90	110			
L40830-03DUP	DUP	11/03/17 13:00			U	U	mg/L				0	20	RA
L40830-03AS	AS	11/03/17 13:15	WC171017-6	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
WG430666													
WG430666ICV	ICV	09/06/17 17:19	WI170906-9	20.06		20.1	mg/L	100	90	110			
WG430666ICB	ICB	09/06/17 17:36				U	mg/L		-0.5	0.5			
WG435473													
WG435473LFB	LFB	11/07/17 21:01	WI170906-10	30		31.4	mg/L	105	90	110			
L40609-02AS	AS	11/07/17 23:24	WI170906-10	1500	109	1670	mg/L	104	90	110			
L40609-01DUP	DUP	11/17/17 1:59			7.28	7.27	mg/L				0	20	

Chromium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	2		1.954	mg/L	98	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.03	0.03			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.022	0.022			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	.498		.505	mg/L	101	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	.498	U	.502	mg/L	101	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	.498	U	.499	mg/L	100	70	130	1	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L40609

Cobalt, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435023													
WG435023ICV	ICV	11/01/17 12:43	MS171020-3	.05		.05365	mg/L	107	90	110			
WG435023ICB	ICB	11/01/17 12:46				U	mg/L		-0.00015	0.00015			
WG434930LRB	LRB	11/01/17 12:49				U	mg/L		-0.00011	0.00011			
WG434930LFB	LFB	11/01/17 12:52	MS171009-2	.05005		.05076	mg/L	101	85	115			
L40609-02LFM	LFM	11/01/17 13:07	MS171009-2	.05005	.0455	.09704	mg/L	103	70	130			
L40609-02LFMD	LFMD	11/01/17 13:10	MS171009-2	.05005	.0455	.09652	mg/L	102	70	130	1	20	

Conductivity @25C

SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG433991													
WG433991LCSW2	LCSW	10/19/17 16:25	PCN54242	1410		1400	umhos/cm	99	90	110			
WG433991LCSW5	LCSW	10/19/17 19:57	PCN54242	1410		1400	umhos/cm	99	90	110			
WG433991LCSW8	LCSW	10/20/17 0:19	PCN54242	1410		1400	umhos/cm	99	90	110			
L40602-01DUP	DUP	10/20/17 2:21			333	332	umhos/cm				0	20	
L40610-02DUP	DUP	10/20/17 3:07			1750	1740	umhos/cm				1	20	
WG433991LCSW11	LCSW	10/20/17 3:12	PCN54242	1410		1380	umhos/cm	98	90	110			
WG433991LCSW14	LCSW	10/20/17 6:33	PCN54242	1410		1380	umhos/cm	98	90	110			

Copper, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435272													
WG435272ICV	ICV	11/03/17 19:00	II171020-1	2		1.94	mg/L	97	95	105			
WG435272ICB	ICB	11/03/17 19:06				U	mg/L		-0.03	0.03			
WG435272LFB	LFB	11/03/17 19:18	II171025-2	.5		.514	mg/L	103	85	115			
L40682-02AS	AS	11/03/17 19:36	II171025-2	.5	U	.532	mg/L	106	85	115			
L40682-02ASD	ASD	11/03/17 19:40	II171025-2	.5	U	.531	mg/L	106	85	115	0	20	

Copper, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	2		1.938	mg/L	97	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.03	0.03			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.022	0.022			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	.5		.505	mg/L	101	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	.5	U	.502	mg/L	100	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	.5	U	.498	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
WG430666													
WG430666ICV	ICV	09/06/17 17:19	WI170906-9	3.996		4.09	mg/L	102	90	110			
WG430666ICB	ICB	09/06/17 17:36				U	mg/L		-0.05	0.05			
WG435473													
WG435473LFB	LFB	11/07/17 21:01	WI170906-10	1.5		1.6	mg/L	107	90	110			
L40609-02AS	AS	11/07/17 23:24	WI170906-10	75	6.2	86.5	mg/L	107	90	110			
L40609-01DUP	DUP	11/17/17 1:59			.28	.28	mg/L				0	20	RA

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

Iron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435272													
WG435272ICV	ICV	11/03/17 19:00	II171020-1	2		1.918	mg/L	96	95	105			
WG435272ICB	ICB	11/03/17 19:06				U	mg/L		-0.06	0.06			
WG435272LFB	LFB	11/03/17 19:18	II171025-2	1.0011		1.023	mg/L	102	85	115			
L40682-02AS	AS	11/03/17 19:36	II171025-2	1.0011	U	1.048	mg/L	105	85	115			
L40682-02ASD	ASD	11/03/17 19:40	II171025-2	1.0011	U	1.053	mg/L	105	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
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	2		1.93	mg/L	97	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.06	0.06			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.044	0.044			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	1.0011		1.009	mg/L	101	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	1.0011	U	.996	mg/L	99	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	1.0011	U	.989	mg/L	99	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
WG435703													
WG435703ICV	ICV	11/09/17 18:17	MS171020-3	.05		.05292	mg/L	106	90	110			
WG435703ICB	ICB	11/09/17 18:19				U	mg/L		-0.0003	0.0003			
WG435703LFB	LFB	11/09/17 18:21	MS171009-2	.0496		.05035	mg/L	102	85	115			
L40609-03AS	AS	11/09/17 18:29	MS171009-2	.0496	U	.05012	mg/L	101	70	130			
L40609-03ASD	ASD	11/09/17 18:31	MS171009-2	.0496	U	.05043	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
WG435023													
WG435023ICV	ICV	11/01/17 12:43	MS171020-3	.05		.0517	mg/L	103	90	110			
WG435023ICB	ICB	11/01/17 12:46				U	mg/L		-0.0003	0.0003			
WG434930LRB	LRB	11/01/17 12:49				U	mg/L		-0.00022	0.00022			
WG434930LFB	LFB	11/01/17 12:52	MS171009-2	.0496		.0486	mg/L	98	85	115			
L40609-02LFM	LFM	11/01/17 13:07	MS171009-2	.0496	.0032	.05172	mg/L	98	70	130			
L40609-02LFMD	LFMD	11/01/17 13:10	MS171009-2	.0496	.0032	.05142	mg/L	97	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
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	100		99.85	mg/L	100	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.6	0.6			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.44	0.44			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	50.18882		48.21	mg/L	96	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	50.18882	U	48.01	mg/L	96	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	50.18882	U	47.62	mg/L	95	70	130	1	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

Manganese, total recoverable M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	2		1.9648	mg/L	98	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.015	0.015			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.011	0.011			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	.5		.5181	mg/L	104	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	.5	U	.5113	mg/L	102	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	.5	U	.5071	mg/L	101	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
WG435343													
WG435343ICV	ICV	11/07/17 9:42	HG171030-2	.005005		.00508	mg/L	101	95	105			
WG435343ICB	ICB	11/07/17 9:43				U	mg/L		-0.0002	0.0002			
WG435343LRB	LRB	11/07/17 9:45				U	mg/L		-0.00044	0.00044			
WG435343LFB	LFB	11/07/17 9:46	HG171031-3	.002002		.00193	mg/L	96	85	115			
L40709-01LFM	LFM	11/07/17 9:51	HG171031-3	.002002	U	.00196	mg/L	98	85	115			
L40709-01LFMD	LFMD	11/07/17 9:52	HG171031-3	.002002	U	.00194	mg/L	97	85	115	1	20	

Molybdenum, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435023													
WG435023ICV	ICV	11/01/17 12:43	MS171020-3	.02006		.01884	mg/L	94	90	110			
WG435023ICB	ICB	11/01/17 12:46				U	mg/L		-0.0015	0.0015			
WG434930LRB	LRB	11/01/17 12:49				U	mg/L		-0.0011	0.0011			
WG434930LFB	LFB	11/01/17 12:52	MS171009-2	.0501		.04732	mg/L	94	85	115			
L40609-02LFM	LFM	11/01/17 13:07	MS171009-2	.0501	.017	.0652	mg/L	96	70	130			
L40609-02LFMD	LFMD	11/01/17 13:10	MS171009-2	.0501	.017	.0649	mg/L	96	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
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	2.004		1.949	mg/L	97	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.024	0.024			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.0176	0.0176			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	.4995		.5131	mg/L	103	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	.4995	U	.516	mg/L	103	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	.4995	U	.5059	mg/L	101	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
WG435195													
WG435195ICV	ICV	11/02/17 21:24	WI170914-11	2.416		2.43	mg/L	101	90	110			
WG435195ICB	ICB	11/02/17 21:25				U	mg/L		-0.02	0.02			
WG435198													
WG435198LFB1	LFB	11/02/17 23:05	WI170705-5	2		2.043	mg/L	102	90	110			
L40609-01AS	AS	11/02/17 23:08	WI170705-5	2	.2	2.359	mg/L	108	90	110			
L40609-02DUP	DUP	11/02/17 23:10			.97	.969	mg/L				0	20	
WG435198LFB2	LFB	11/02/17 23:45	WI170705-5	2		1.974	mg/L	99	90	110			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

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
WG435570													
WG435570ICV	ICV	11/08/17 12:14	WI171010-1	11.988		11.711	mg/L	98	90	110			
WG435570ICB	ICB	11/08/17 12:15				U	mg/L		-0.05	0.05			
WG435570LFB	LFB	11/08/17 12:17	WI170420-10	10		9.649	mg/L	96	90	110			
L40609-01AS	AS	11/08/17 12:19	WI170420-10	10	U	9.88	mg/L	99	90	110			
L40609-02DUP	DUP	11/08/17 12:22			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
WG435197													
WG435197ICV	ICV	11/02/17 22:46	WI171006-5	4		4.23	mg/L	106	90	110			
WG435197ICB	ICB	11/02/17 22:47				U	mg/L		-0.1	0.1			
WG435001LRB1	LRB	11/02/17 22:48				U	mg/L		-0.1	0.1			
WG435001LFB1	LFB	11/02/17 22:50	WI171006-7	2.5		2.55	mg/L	102	90	110			
L35736-37LFM	LFM	11/02/17 22:52	WI171006-7	2.5	U	2.51	mg/L	100	90	110			
L35737-37DUP	DUP	11/02/17 22:54			.5	8	mg/L				46	20	RA
L40609-03LFM	LFM	11/02/17 23:08	WI171006-7	2.5	1.4	2.91	mg/L	60	90	110			M2
L40636-01DUP	DUP	11/02/17 23:10			U	U	mg/L				0	20	RA
WG435001LRB2	LRB	11/02/17 23:22				U	mg/L		-0.1	0.1			
WG435001LFB2	LFB	11/02/17 23:23	WI171006-7	2.5		2.65	mg/L	106	90	110			

Potassium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	20		20.05	mg/L	100	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.6	0.6			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.44	0.44			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	99.97371		100.3	mg/L	100	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	99.97371	U	99.54	mg/L	100	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	99.97371	U	98.81	mg/L	99	70	130	1	20	

Residue, Filterable (TDS) @180C

SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG433953													
WG433953PBW	PBW	10/19/17 11:10				16	mg/L		-20	20			
WG433953LCSW	LCSW	10/19/17 11:11	PCN54021	260		264	mg/L	102	80	120			
L40632-02DUP	DUP	10/19/17 11:25			88	78	mg/L				12	10	RA
WG433956													
WG433956PBW	PBW	10/19/17 11:50				U	mg/L		-20	20			
WG433956LCSW	LCSW	10/19/17 11:51	PCN54021	260		266	mg/L	102	80	120			
L40623-01DUP	DUP	10/19/17 12:16			85400	87600	mg/L				3	10	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

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

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG433954													
WG433954PBW	PBW	10/19/17 13:10				U	mg/L		-15	15			
WG433954LCSW	LCSW	10/19/17 13:11	PCN54021	160		157	mg/L	98	80	120			
L40598-07DUP	DUP	10/19/17 13:25			5	U	mg/L				200	10	RA
WG434068													
WG434068PBW	PBW	10/20/17 10:20				U	mg/L		-15	15			
WG434068LCSW	LCSW	10/20/17 10:21	PCN54021	160		160	mg/L	100	80	120			

Selenium, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435023													
WG435023ICV	ICV	11/01/17 12:43	MS171020-3	.05		.05259	mg/L	105	90	110			
WG435023ICB	ICB	11/01/17 12:46				U	mg/L		-0.0003	0.0003			
WG434930LRB	LRB	11/01/17 12:49				U	mg/L		-0.00022	0.00022			
WG434930LFB	LFB	11/01/17 12:52	MS171009-2	.05005		.0491	mg/L	98	85	115			
L40609-02LFM	LFM	11/01/17 13:07	MS171009-2	.05005	.006	.05968	mg/L	107	70	130			
L40609-02LFMD	LFMD	11/01/17 13:10	MS171009-2	.05005	.006	.05938	mg/L	107	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
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	42.8		41.19	mg/L	96	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.6	0.6			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.44	0.44			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	21.415		22.28	mg/L	104	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	21.415	U	22.07	mg/L	103	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	21.415	U	21.9	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
WG435703													
WG435703ICV	ICV	11/09/17 18:17	MS171020-3	.02004		.02103	mg/L	105	90	110			
WG435703ICB	ICB	11/09/17 18:19				U	mg/L		-0.00015	0.00015			
WG435703LFB	LFB	11/09/17 18:21	MS171009-2	.01001		.01003	mg/L	100	85	115			
L40609-03AS	AS	11/09/17 18:29	MS171009-2	.01001	U	.009866	mg/L	99	70	130			
L40609-03ASD	ASD	11/09/17 18:31	MS171009-2	.01001	U	.009273	mg/L	93	70	130	6	20	

Silver, total recoverable M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435023													
WG435023ICV	ICV	11/01/17 12:43	MS171020-3	.02004		.02011	mg/L	100	90	110			
WG435023ICB	ICB	11/01/17 12:46				U	mg/L		-0.00015	0.00015			
WG434930LRB	LRB	11/01/17 12:49				U	mg/L		-0.00011	0.00011			
WG434930LFB	LFB	11/01/17 12:52	MS171009-2	.01001		.009428	mg/L	94	85	115			
L40609-02LFM	LFM	11/01/17 13:07	MS171009-2	.01001	U	.00889	mg/L	89	70	130			
L40609-02LFMD	LFMD	11/01/17 13:10	MS171009-2	.01001	U	.00891	mg/L	89	70	130	0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

Sodium, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	100		99.54	mg/L	100	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.6	0.6			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.44	0.44			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	100.0023		100.3	mg/L	100	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	100.0023	U	99.61	mg/L	100	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	100.0023	U	99	mg/L	99	70	130	1	20	

Sulfate

M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG430666													
WG430666ICV	ICV	09/06/17 17:19	WI170906-9	50		49.5	mg/L	99	90	110			
WG430666ICB	ICB	09/06/17 17:36				U	mg/L		-0.5	0.5			
WG435473													
WG435473LFB	LFB	11/07/17 21:01	WI170906-10	30		31.4	mg/L	105	90	110			
L40609-02AS	AS	11/07/17 23:24	WI170906-10	1500	2420	4050	mg/L	109	90	110			
L40609-01DUP	DUP	11/17/17 1:59			15.7	15.7	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
WG433857													
WG433857ICV	ICV	10/18/17 12:15	WC171018-3	.32534		.328	mg/L	101	90	110			
WG433857ICB	ICB	10/18/17 12:20				U	mg/L		-0.06	0.06			
WG433858													
WG433858ICV	ICV	10/18/17 12:15	WC171018-3	.32534		.324	mg/L	100	90	110			
WG433858ICB	ICB	10/18/17 12:28				U	mg/L		-0.06	0.06			
WG433858LFB	LFB	10/18/17 12:42	WC171018-6	.24356		.255	mg/L	105	80	120			
L40609-03AS	AS	10/18/17 14:18	WC171018-6	.24356	U	.193	mg/L	79	75	125			
L40609-03DUP	DUP	10/18/17 14:32			U	U	mg/L				0	20	RA

Thallium, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435023													
WG435023ICV	ICV	11/01/17 12:43	MS171020-3	.05		.05369	mg/L	107	90	110			
WG435023ICB	ICB	11/01/17 12:46				U	mg/L		-0.0003	0.0003			
WG434930LRB	LRB	11/01/17 12:49				U	mg/L		-0.00022	0.00022			
WG434930LFB	LFB	11/01/17 12:52	MS171009-2	.0501		.05059	mg/L	101	85	115			
L40609-02LFM	LFM	11/01/17 13:07	MS171009-2	.0501	.0064	.0547	mg/L	96	70	130			
L40609-02LFMD	LFMD	11/01/17 13:10	MS171009-2	.0501	.0064	.05464	mg/L	96	70	130	0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

Tin, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	2		1.989	mg/L	99	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.12	0.12			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.088	0.088			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	989		1.009	mg/L	102	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	989	U	.986	mg/L	100	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	989	U	.994	mg/L	101	70	130	1	20	

Uranium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435703													
WG435703ICV	ICV	11/09/17 18:17	MS171020-3	.05		.05184	mg/L	104	90	110			
WG435703ICB	ICB	11/09/17 18:19				U	mg/L		-0.0003	0.0003			
WG435703LFB	LFB	11/09/17 18:21	MS171009-2	.05		.05119	mg/L	102	85	115			
L40609-03AS	AS	11/09/17 18:29	MS171009-2	.05	.091	.14378	mg/L	106	70	130			
L40609-03ASD	ASD	11/09/17 18:31	MS171009-2	.05	.091	.14411	mg/L	106	70	130	0	20	

Uranium, total recoverable

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435023													
WG435023ICV	ICV	11/01/17 12:43	MS171020-3	.05		.0514	mg/L	103	90	110			
WG435023ICB	ICB	11/01/17 12:46				U	mg/L		-0.0003	0.0003			
WG434930LRB	LRB	11/01/17 12:49				U	mg/L		-0.00022	0.00022			
WG434930LFB	LFB	11/01/17 12:52	MS171009-2	.05		.04999	mg/L	100	85	115			
L40609-02LFM	LFM	11/01/17 13:07	MS171009-2	.05	.1527	.2042	mg/L	103	70	130			
L40609-02LFMD	LFMD	11/01/17 13:10	MS171009-2	.05	.1527	.2068	mg/L	108	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
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	2		2.022	mg/L	101	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.015	0.015			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.011	0.011			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	.4985		.5137	mg/L	103	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	.4985	U	.5061	mg/L	102	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	.4985	U	.4997	mg/L	100	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
WG435272													
WG435272ICV	ICV	11/03/17 19:00	II171020-1	2		2.004	mg/L	100	95	105			
WG435272ICB	ICB	11/03/17 19:06				U	mg/L		-0.03	0.03			
WG435272LFB	LFB	11/03/17 19:18	II171025-2	.4942		.514	mg/L	104	85	115			
L40682-02AS	AS	11/03/17 19:36	II171025-2	.4942	U	.546	mg/L	110	85	115			
L40682-02ASD	ASD	11/03/17 19:40	II171025-2	.4942	U	.549	mg/L	111	85	115	1	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

Zinc, total recoverable

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435397													
WG435397ICV	ICV	11/06/17 15:38	II171020-1	2		1.977	mg/L	99	95	105			
WG435397ICB	ICB	11/06/17 15:44				U	mg/L		-0.03	0.03			
WG435205LRB	LRB	11/06/17 16:00				U	mg/L		-0.022	0.022			
WG435205LFB	LFB	11/06/17 16:03	II171025-2	.4942		.523	mg/L	106	85	115			
L40718-04LFM	LFM	11/06/17 16:26	II171025-2	.4942	U	.52	mg/L	105	70	130			
L40718-04LFMD	LFMD	11/06/17 16:36	II171025-2	.4942	U	.517	mg/L	105	70	130	1	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L40609-01	WG435023	Antimony, total recoverable	M200.8 ICP-MS	LA	Recovery for target analyte in the control sample (LCS or LFB) exceeded the acceptance criteria. Target analyte was not detected in the sample [$< MDL$].
	WG433871	Biochemical Oxygen Demand (5 day)	SM5210B	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	KA	The seed depletion was outside the method acceptance limits, the DO-axis intercept is > 0.2 mg/L. The reported result is an estimated value.
	WG435211	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 ($< 10x MDL$).
	WG435473	Chloride	M300.0 - Ion Chromatography	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
			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	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
			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 ($< 10x MDL$).
	WG435570	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 ($< 10x MDL$).
	WG435197	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 ($< 10x MDL$).
	WG433953	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ($< 10x MDL$).
	WG433954	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 ($< 10x MDL$).
	WG435397	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.
	WG435473	Sulfate	M300.0 - Ion Chromatography	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
	WG433858	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.

ACZ Project ID: **L40609**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L40609-02	WG435023	Antimony, total recoverable	M200.8 ICP-MS	LA	Recovery for target analyte in the control sample (LCS or LFB) exceeded the acceptance criteria. Target analyte was not detected in the sample [$< \text{MDL}$].
	WG433871	Biochemical Oxygen Demand (5 day)	SM5210B	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	KA	The seed depletion was outside the method acceptance limits, the DO-axis intercept is $> 0.2 \text{ mg/L}$. The reported result is an estimated value.
	WG435211	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 ($< 10\text{x MDL}$).
	WG435473	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 ($< 10\text{x MDL}$).
		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 ($< 10\text{x MDL}$).
	WG435570	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 ($< 10\text{x MDL}$).
	WG435197	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 ($< 10\text{x MDL}$).
	WG433953	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ($< 10\text{x MDL}$).
	WG433954	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 ($< 10\text{x MDL}$).
	WG435397	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.
	WG433858	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 ($< 10\text{x MDL}$).

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L40609-03	WG435172	Antimony, total recoverable	M200.8 ICP-MS	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.8 ICP-MS	N1	See Case Narrative.
	WG433871	Biochemical Oxygen Demand (5 day)	SM5210B	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	KA	The seed depletion was outside the method acceptance limits, the DO-axis intercept is > 0.2 mg/L. The reported result is an estimated value.
	WG435211	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).
	WG435473	Chloride	M300.0 - Ion Chromatography	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
			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	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
			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).
	WG435570	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).
	WG435197	Nitrogen, total Kjeldahl	M351.2 - TKN by Block Digester	M2	Matrix spike recovery was low, 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).
	WG433958	Residue, Filterable (TDS) @180C	SM2540C	RO	The duplicate originally assigned to this sample was not used for precision assessment because residue density exceeded the method limits. Another duplicate in the batch was used to assess precision. Method required duplicate frequency was not met.
	WG434088	Residue, Non-Filterable (TSS) @105C	SM2540D	DJ	Sample dilution required due to insufficient sample.
	WG435397	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.
	WG435473	Sulfate	M300.0 - Ion Chromatography	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
	WG433858	Sulfide as S	SM4500S2-D	QD	Reported value is the background-corrected concentration, as described by the method.
			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: Canyon Mine 4th Quarter 20

Sample ID: DISCHARGE

ACZ Sample ID: **L40609-03**

Date Sampled: 10/17/17 6:50

Date Received: 10/18/17

Sample Matrix: Ground Water

Oil & Grease, Total Recoverable

Analysis Method: **1664A - Gravimetric**

Extract Method:

Workgroup: **WG434045**

Analyst: GSS

Extract Date:

Analysis Date: 10/20/17 13:39

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Oil and Grease			U	0.926		mg/L	1.9	9.3

Arizona license number: **AZ0102**

Report Header Explanations

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

QC Sample Types

<i>SURR</i>	Surrogate	<i>LFM</i>	Laboratory Fortified Matrix
<i>INTS</i>	Internal Standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>LCSW</i>	Laboratory Control Sample - Water	<i>PBS</i>	Prep Blank - Soil
<i>LFB</i>	Laboratory Fortified Blank	<i>PBW</i>	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)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
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:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

Oil & Grease, Total Recoverable

1664A - Gravimetric

WG434045

MS		Sample ID: L40587-01MS		PCN/SCN: OP170914-2			Analyzed: 10/20/17 11:27			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40	U	32.6	mg/L	82.0	78	114			

LCSW		Sample ID: WG434045LCSW		PCN/SCN: OP170914-2			Analyzed: 10/20/17 16:11			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40		35.1	mg/L	88.0	78	114			

LCSWD		Sample ID: WG434045LCSWD		PCN/SCN: OP170914-2			Analyzed: 10/20/17 16:30			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE	40		33.3	mg/L	83.0	78	114	5	18	

PBW		Sample ID: WG434045PBW					Analyzed:		10/20/17 9:15	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
OIL AND GREASE			U	mg/L						

ACZ Project ID: **L40609**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
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No extended qualifiers associated with this analysis

Energy Fuels Resources (USA) Inc.

Project ID: Canyon Mine 4th Quarter 2017

Sample ID: DISCHARGE

Locator:

ACZ Sample ID: **L40609-03**

Date Sampled: 10/17/17 6:50

Date Received: 10/18/17

Sample Matrix: Ground Water

Combined Radium

Prep Method:

Calculation (RA226 + RA228)

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium	12/07/17 7:42		29			pCi/L		calc

Gross Alpha & Beta, total

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/05/17 0:28		110	12	7.7	pCi/L		leb
Gross Beta	11/05/17 0:28		51	5.8	12	pCi/L		leb

Gross Alpha, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, dissolved	10/31/17 0:30		110	13	11	pCi/L		jlg

Lead 210, total

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, total	11/27/17 15:46		17	1.6	3.8	pCi/L	*	tjr

Radium 226

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226	12/06/17 0:05		28	0.65	0.07	pCi/L	*	tjr

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	12/04/17 0:18		26	0.77	0.29	pCi/L		tjr

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.

Project ID: Canyon Mine 4th Quarter 2017

Sample ID: DISCHARGE

Locator:

ACZ Sample ID: **L40609-03**

Date Sampled: 10/17/17 6:50

Date Received: 10/18/17

Sample Matrix: Ground Water

Radium 228

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228	11/14/17 11:55		1.2	0.86	0.83	pCi/L		jlg

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	11/09/17 16:20		0.31	0.81	0.84	pCi/L		jlg

Thorium, Isotopic

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	11/08/17 0:05		-0.02	0.23	0.2	pCi/L	*	djc
Thorium 230	11/08/17 0:05		3.4	0.88	0.52	pCi/L	*	djc
Thorium 232	11/08/17 0:05		-0.33	0.55	0.2	pCi/L	*	djc

Uranium, Isotopic dissolved

Prep Method:

Eichrom ACW03

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234	11/15/17 0:02		63	5.5	0.93	pCi/L	*	djc
Uranium 235	11/15/17 0:02		1.3	1	0.93	pCi/L	*	djc
Uranium 238	11/15/17 0:02		27.5	3.7	0.93	pCi/L	*	djc

Report Header Explanations

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

QC Sample Types

<i>DUP</i>	Sample Duplicate	<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>PBS</i>	Prep Blank - Soil
<i>LCSW</i>	Laboratory Control Sample - Water	<i>PBW</i>	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.
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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:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

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
WG435342																
WG434799PBW	PBW	11/05/17						-1	0.66	1.2			2.4			
WG434799LCSW	LCSW	11/05/17	PCN54030	100				120	9.4	1.8	120	67	144			
L40584-04DUP	DUP-RER	11/05/17			18	7.6	10	19	7.6	19				0.09	2	
L40584-05DUP	DUP-RER	11/05/17			28	8.4	13	27	8.4	17				0.08	2	
L40584-06MS	MS	11/05/17	PCN54030	100	-0.3	1.1	4.4	120	9.2	7.8	120	67	144			

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
WG435342																
WG434799PBW	PBW	11/05/17						.66	2	2.1			4.2			
WG434799LCSW	LCSW	11/05/17	RC170915-10	100				110	7.2	3.1	110	82	122			
L40584-04DUP	DUP-RER	11/05/17			22	7.7	20	27	8.3	15				0.44	2	
L40584-05DUP	DUP-RER	11/05/17			31	7.5	18	32	7.7	24				0.09	2	
L40609-01MS	MS	11/05/17	RC170915-10	100	12	4	11	130	8.4	14	118	82	122			

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
WG434975																
WG434583PBW	PBW	10/31/17						-1.3	1.1	3.3			6.6			
WG434583LCSWA	LCSW	10/31/17	PCN54030	100				86	8	4.7	86	67	144			
L40330-01DUP	DUP-RER	10/31/17			0.09	2.1	7.6	-1.7	1.8	7.5				0.65	2	
L40582-11DUP	DUP-RER	10/31/17			3.7	3.4	6	1.7	3	6				0.44	2	
L40512-03MSA	MS	10/31/17	PCN54030	100	1.6	2.1	7.9	92	9.6	6.2	90	67	144			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

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
WG436836																
WG436463LCSW	LCSW	11/27/17	PCN54285	99.17				95	2.9	4.3	96	55	121			
WG436463PBW	PBW	11/27/17						1.3	1.3	4.1			8.2			
L40609-03MS	MS	11/27/17	PCN54285	99.17	17	1.6	3.8	100	3.1	4.6	84	55	121			
L40609-01DUP	DUP-RER	11/27/17			3.4	1.4	4.2	5.5	1.3	3.7				1.1	2	

Radium 226

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
WG437567																
WG436839PBW	PBW	12/06/17						.08	0.06	0.15			0.3			
WG436839LCSW	LCSW	12/06/17	PCN54812	20				17	0.53	0.24	85	43	148			
L40634-02DUP	DUP-RER	12/06/17			0.1	0.07	0.05	.17	0.08	0.11				0.66	2	
L40765-01DUP	DUP-RER	12/06/17			0.22	0.07	0.04	.13	0.07	0.05				0.9	2	
L40634-04MS	MS	12/06/17	PCN54812	20	0.15	0.08	0.07	23	0.64	0.06	114	43	148			

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
WG437377																
WG436428PBW	PBW	12/04/17						.03	0.06	0.04			0.08			
WG436428LCSW	LCSW	12/04/17	PCN54812	20				22	0.59	0.05	110	43	148			
L40828-01DUP	DUP-RER	12/04/17			0.09	0.06	0.23	.08	0.09	0.06				0.09	2	
L40609-02DUP	DUP-RER	12/04/17			2	0.21	0.14	1.9	0.19	0.06				0.35	2	
L40609-03MS	MS	12/04/17	PCN54812	20	26	0.77	0.29	46	0.86	0.11	100	43	148			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

Radium 228

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
WG436063																
WG435536LCSW	LCSW	11/14/17	PCN53180	9.24				11	1.2	0.75	119	47	123			
WG435536PBW	PBW	11/14/17						.47	0.34	0.33			0.66			
L40634-05DUP	DUP-RER	11/14/17			2.8	0.94	0.83	.56	0.69	0.7				1.92	2	
L40681-01DUP	DUP-RER	11/14/17			0.98	0.82	0.81	-.34	0.66	0.73				1.25	2	
L40749-02MS	MS	11/14/17	PCN53180	9.24	0.73	0.89	0.9	11	1.4	0.9	111	47	123			

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
WG435832																
WG435326PBW	PBW	11/09/17						.45	0.54	0.55			1.1			
WG435326LCSW	LCSW	11/09/17	PCN53180	9.25				11	1.3	0.87	119	47	123			
L40763-03MS	MS	11/09/17	PCN53180	9.25	17	1.3	0.62	27	1.7	0.73	108	47	123			
L40763-03DUP	DUP-RER	11/09/17			17	1.3	0.62	14	1.2	0.6				1.7	2	
L40609-01DUP	DUP-RER	11/09/17			0.02	0.62	0.66	.16	0.57	0.6				0.17	2	

Thorium 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
WG435722																
WG435137PBW	PBW	11/08/17						-.25	0.3	0.22			0.44			
L40609-01DUP	DUP-RER	11/08/17			-0.05	0.26	0.21	.04	0.24	0.19				0.25	2	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

Thorium 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
WG435722																
WG435137PBW	PBW	11/08/17						-14	0.4	0.57			1.14			
WG435137LCSW	LCSW	11/08/17	PCN52270	200				200	4.9	0.6	100	91	126			
L40609-01DUP	DUP-RER	11/08/17			-0.13	0.4	0.54	.34	0.28	0.5				0.96	2	
L40609-03MS	MS	11/08/17	PCN52270	200	3.4	0.88	0.52	200	4.5	0.53	98	91	126			

Thorium 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
WG435722																
WG435137PBW	PBW	11/08/17						-02	0.17	0.22			0.44			
L40609-01DUP	DUP-RER	11/08/17			0.02	0.16	0.21	-04	0.11	0.19				0.31	2	

Uranium 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
WG436342																
WG435784PBW	PBW	11/15/17						-58	1.5	1.3			2.6			
WG435784LCSW	LCSW	11/15/17	PCN53766	197				160	10	1.3	81	77	122			
L40609-03DUP	DUP-RER	11/15/17			63	5.5	0.93	60	5.4	0.91				0.39	2	
L40634-11DUP	DUP-RER	11/15/17			0.19	1	0.85	3	1.3	0.87				1.71	2	
L40634-01MS	MS	11/15/17	PCN53766	197	1.7	1.5	0.93	200	13	1.7	101	77	122			
WG436468																
WG435510PBW	PBW	11/16/17						-33	1	0.93			1.86			
WG435510LCSW	LCSW	11/16/17	PCN53766	197				170	11	1.4	86	77	122			
L40259-02DUP	DUP-RER	11/16/17			0.23	1.3	0.92	.97	1.7	1.2				0.35	2	
L40259-12DUP	DUP-RER	11/16/17			2	1.3	0.9	1.9	1.5	0.99				0.05	2	
L40259-03MS	MS	11/16/17	PCN53766	197	1.5	1.5	0.9	170	11	1.3	86	77	122			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

Uranium 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
WG436342																
WG435784PBW	PBW	11/15/17						-.29	1.1	1.3			2.6			
WG435784LCSW	LCSW	11/15/17	PCN53766	8.97				5.4	2.1	1.3	60	42	136			
L40609-03DUP	DUP-RER	11/15/17			1.3	1	0.93	2.1	1.1	0.91				0.54	2	
L40634-11DUP	DUP-RER	11/15/17			0.39	0.82	0.85	-.2	0.66	0.87				0.56	2	
L40634-01MS	MS	11/15/17	PCN53766	8.97	-0.32	0.92	0.93	9.9	3.3	1.7	114	42	136			
WG436468																
WG435510PBW	PBW	11/16/17						.21	0.83	0.93			1.86			
WG435510LCSW	LCSW	11/16/17	PCN53766	8.97				8.3	2.6	1.4	93	42	136			
L40259-02DUP	DUP-RER	11/16/17			0.2	0.99	0.92	-.54	0.89	1.2				0.56	2	
L40259-12DUP	DUP-RER	11/16/17			0.21	0.68	0.9	.12	0.86	0.99				0.08	2	
L40259-03MS	MS	11/16/17	PCN53766	8.97	0.1	0.57	0.9	6.3	2.2	1.3	69	42	136			

Uranium 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
WG436342																
WG435784PBW	PBW	11/15/17						-.21	1.3	1.3			2.6			
WG435784LCSW	LCSW	11/15/17	PCN53766	195				187	11	1.3	96	87	124			
L40609-03DUP	DUP-RER	11/15/17			27.5	3.7	0.93	29.3	3.8	0.91				0.34	2	
L40634-11DUP	DUP-RER	11/15/17			1.27	1.1	0.85	2.3	1.2	0.87				0.63	2	
L40634-01MS	MS	11/15/17	PCN53766	195	0.42	1.3	0.93	209	14	1.7	107	87	124			
WG436468																
WG435510PBW	PBW	11/16/17						-.11	0.81	0.93			1.86			
WG435510LCSW	LCSW	11/16/17	PCN53766	195				183	11	1.4	94	87	124			
L40259-02DUP	DUP-RER	11/16/17			0.48	1.2	0.92	.19	1.3	1.2				0.16	2	
L40259-12DUP	DUP-RER	11/16/17			1.7	1.1	0.9	1.3	1.2	0.99				0.25	2	
L40259-03MS	MS	11/16/17	PCN53766	195	0.37	1.2	0.9	193	11	1.3	99	87	124			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L40609**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L40609-01	WG437567	Radium 226	M903.1	DJ	Sample dilution required due to insufficient sample.
L40609-02	WG437567	Radium 226	M903.1	DF	Sample required dilution due to high sediment.
L40609-03	WG437567	Radium 226	M903.1	DJ	Sample dilution required due to insufficient sample.

Radiochemistry

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

Lead 210, total	EICHROM, OTW01
Thorium 228	ESM 4506
Thorium 230	ESM 4506
Thorium 232	ESM 4506
Uranium 234	Eichrom ACW03
Uranium 235	Eichrom ACW03
Uranium 238	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	ESM 4506
Thorium 230	ESM 4506
Thorium 232	ESM 4506
Uranium 234	Eichrom ACW03
Uranium 235	Eichrom ACW03
Uranium 238	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
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Energy Fuels Resources (USA) Inc.
Canyon Mine 4th Quarter 2017

ACZ Project ID: L40609
Date Received: 10/18/2017 09:11
Received By: mjj
Date Printed: 10/18/2017

Receipt Verification

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

A change was made in the Sample ID Lines 1-2. Analysis Requested Lines 1-5. section prior to ACZ custody.

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	☒	☐	☐
9) Are all labels on containers and are they intact and legible?	☒	☐	☐
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	☒	☐	☐
11) For preserved bottle types, was the pH checked and within limits? ¹	☒	☐	☐
12) Is there sufficient sample volume to perform all requested work?	☒	☐	☐
13) Is the custody seal intact on all containers?	☐	☐	☒
14) Are samples that require zero headspace acceptable?	☐	☐	☒
15) Are all sample containers appropriate for analytical requirements?	☒	☐	☐
16) Is there an Hg-1631 trip blank present?	☐	☐	☒
17) Is there a VOA trip blank present?	☐	☐	☒
18) Were all samples received within 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?
NA27123	0.9	<=6.0	13	Yes
NA27124	1	<=6.0	14	Yes
NA27125	1.8	<=6.0	16	Yes

Was ice present in the shipment container(s)?

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

Energy Fuels Resources (USA) Inc.
Canyon Mine 4th Quarter 2017

ACZ Project ID: L40609
Date Received: 10/18/2017 09:11
Received By: mjj
Date Printed: 10/18/2017

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).