



January 30, 2026

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

Re: Pinyon Plain Mine, Individual Aquifer Protection Permit No. P-100333, Annual Report for 2025

Dear Sir or Madam:

Enclosed please find Energy Fuels Resources (USA) Inc.'s ("EFRI's") 2025 Annual Report for the Pinyon Plain Mine (the "Mine") in accordance with Section 2.7.4.1 of the Mine's Individual Aquifer Protection Permit No. P-100333 (the "APP").

Pumping Operational Summary

The attached Table 1 includes the daily volume of water pumped from underground mining areas for 2025. This includes the meter results for water pumped from the lined shaft sump and the water capture rings. The sump meter reading was not collected on April 29 due to general maintenance. Limited gallons pumped on April 1 and May 3 were due to underground use for mining operations. The water capture ring meter was reset on April 24 and routine maintenance occurred on April 16, April 17, April 24, May 6, September 14, October 31, December 2, and December 3, resulting in no water being pumped from the ring during these days.

Sump Water Quality Analytical Results

The attached Table 2 includes a summary of the analytical results for the quarterly sump discharge water quality samples. These samples are collected from the outfall point where mine water discharges from the underground sump into the non-storm water impoundment. As is to be expected, sump water concentrations have increased as underground mining has progressed into higher-grade ore zones. These increases do not represent a threat to groundwater. Sump water is managed within a fully lined and controlled system, including a 250-mil polyurea liner overlain by a geosynthetic clay liner, automated sump pumping and level controls, and conveyance to a lined, non-stormwater surface impoundment designed to prevent seepage.

Groundwater Elevations

The attached Table 3 includes a summary of groundwater elevations for the three wells completed in the perched Coconino groundwater. These depth to water measurements were collected during quarterly ambient groundwater monitoring.

Groundwater Quality Summary

On July 31, 2024, the ADEQ approved a Minor Amendment of the APP to establish Alert Levels (“ALs”) and Aquifer Quality Limits (“AQL”) for Point of Compliance Monitoring Wells, MW-01, MW-02, MW-03, and RW-01. Table 4 includes data for the groundwater quality summary for the Monitoring Wells.

On February 24, 2025, EFRI notified the Arizona Department of Environmental Quality (“ADEQ”) via five-day notice regarding an AL exceedance of arsenic in MW-02. Verification sampling resulted in a value of 0.0434 milligrams per liter (“mg/L”), which is slightly above the AL of 0.04 mg/L. On March 20, 2025, in accordance with the APP, Section 2.6.2.3.2, EFRI submitted a 30-day investigation of an AL exceedance. In addition, EFRI commenced accelerated monthly monitoring in March 2025.

On July 22, 2025, EFRI submitted a five-day notice notifying ADEQ of a missing sample in the second quarter of 2025. Monthly sampling, as required by the APP, was conducted in June of 2025, however the sample was lost by the laboratory. The June monthly sample was collected on June 27, 2025, and shipped on July 2, 2025, to Arizona-certified, Pace National Labs (“Pace”) in Mt. Juliette, TN. The sample was shipped for overnight delivery. The sample was signed for receipt by laboratory personnel on July 3, 2025, at 7:56 A.M.

Due to a lack of login confirmation from Pace, EFRI requested that Pace initiate an investigation regarding receipt of the sample. On July 15, 2025, Pace confirmed that, after an exhaustive search of all sample storage locations, the sample had been lost by Pace following receipt of the sample on July 3, 2025. As a result of the lost sample, EFRI does not have a June 2025 monthly sample result as required.

Corrective actions included contracting with a different Arizona-certified analytical laboratory, ACZ in Steamboat Springs, CO, for compliance monitoring beginning in Q4 2025. On August 14, 2025, a 30-day report was submitted in accordance with the APP, Section 2.7.3(2).

On November 19, 2025, EFRI submitted an initial Report of Investigation of Arsenic in MW-02 in the First Quarter of 2025 and Request for the Minor Permit Amendment to Change the AQL for Arsenic at MW-02. EFRI completed the minor permit amendment request pursuant to APP, Section 2.6.2.3.2(3), item (b), to change the aquifer quality limit (“AQL”) for arsenic at MW-02 because previous reports showed the exceedance was due to natural phenomenon and not the result of a discharge from the facility. On January 12, 2026, a report was submitted as Revision 1 to the November 19, 2025 submittal. The revision addresses comments received from ADEQ.

EFRI’s investigation indicated that the results were due to natural phenomenon and not the result of site activities. Due to continuous seepage of perched groundwater into the mine shaft since late 2016, perched groundwater in the vicinity of the site is flowing toward the shaft, (from all directions) and the cone of depression caused by the seepage has expanded. The expanded cone of depression and water flowing on-site indicates that water sampled by the three on-site perched Coconino wells (including MW-02 [North well]) increasingly represents off-site water and that the chemistry of the water sampled by these wells is not reflective of on-site conditions.

Water Budget Throughout Mine Operations

As shown in Table 1, the average flow rate of water pumped from the lined shaft sump and water capture rings during 2025 was approximately 6.84 and 5.94 gpm, respectively, with a combined rate of approximately 12.78 gpm. Water from the lined shaft sump is either pumped directly to the non-stormwater impoundment or to one of two water storage tanks. Water from the capture rings is pumped directly to a water storage tank. All water pumped into the impoundment was effectively managed through natural and enhanced evaporation and freeboard levels were maintained throughout the year. Water from the capture rings was either treated using the water treatment system prior to use for dust control on site, hauled off-site for beneficial use by ranchers, or managed through direct evaporation.

Development Rock Stockpile Construction Update

As described in the Initial APP Permit Application dated November 11, 2020. The Development Rock Stockpile (“DRS”) has been constructed since 2011.

Intermediate Ore Stockpile Construction Update

The Intermediate Ore Stockpile (“IOS”) was constructed as of December 31, 2023. The “As Built” report was submitted on December 14, 2023, in accordance with Section 3.0, Compliance Schedule Item 9 of Aquifer Protection Permit No. P-100333. The Project Report was submitted on January 16, 2024.

Please feel free to contact me at 303-389-4132 or Jordan App at 303-389-4131 if you have any questions or concerns.

Sincerely,

**Scott
Bakken**

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ENERGY FUELS RESOURCES (USA) INC.

Scott A. Bakken

Vice President, Regulatory Affairs

Att: Table 1: Pumping Operational Summary
Table 2: Sump Water Quality Analytical Results
Table 3: Groundwater Elevations
Table 4: Groundwater Quality Summary
Attachment 1: Analytical Data

cc: Kathy Weinel, Misael Cabrera, Race Fisher, Nick Martin, Matt Germansen, Jordan App, Matthew Dennis, Debbie Valdivia (EFRI) Travis Ralston (ADEQ)

SIGNATURE AND CERTIFICATION

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

**Scott
Bakken**

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Scott Bakken
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January 30, 2026

Signature of Responsible Official
Scott A. Bakken
Vice President, Regulatory Affairs

Date

TABLES

TABLE 1

Pinyon Plain Mine - Daily Volume of Water Pumped from Underground Mining Areas - 2025

Date	Sump Meter Reading	Gallons Pumped (GA/D)	Ring Meter Reading	Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)	Date	Sump Meter Reading	Gallons Pumped (GA/D)	Ring Meter Reading	Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)	Date	Sump Meter Reading	Gallons Pumped (GA/D)	Ring Meter Reading	Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)
First Quarter																	
January						February						March					
1/1/2025	96,132	8,171	150,981	11,174	19,345	2/1/2025	318,950	6,600	483,015	9,583	16,183	3/1/2025	566,174	5,273	713,455	12,429	17,702
1/2/2025	104,133	8,001	162,522	11,541	19,542	2/2/2025	326,008	7,058	494,050	11,035	18,093	3/2/2025	571,760	5,586	725,434	11,979	17,565
1/3/2025	111,468	7,335	174,506	11,984	19,319	2/3/2025	334,528	8,520	504,915	10,865	19,385	3/3/2025	576,557	4,797	737,738	12,304	17,101
1/4/2025	120,444	8,976	186,148	11,642	20,618	2/4/2025	342,471	7,943	516,132	11,217	19,160	3/4/2025	581,920	5,363	750,148	12,410	17,773
1/5/2025	127,050	6,606	198,633	12,485	19,091	2/5/2025	352,999	10,528	526,272	10,140	20,668	3/5/2025	591,445	9,525	758,763	8,615	18,140
1/6/2025	131,806	4,756	210,381	11,748	16,504	2/6/2025	360,198	7,199	535,286	9,014	16,213	3/6/2025	597,591	6,146	771,287	12,524	18,670
1/7/2025	139,442	7,636	223,360	12,979	20,615	2/7/2025	366,116	5,918	545,773	10,487	16,405	3/7/2025	603,821	6,230	783,031	11,744	17,974
1/8/2025	147,450	8,008	235,444	12,084	20,092	2/8/2025	376,866	10,750	555,652	9,879	20,629	3/8/2025	606,205	2,384	795,406	12,375	14,759
1/9/2025	154,161	6,711	247,664	12,220	18,931	2/9/2025	380,508	3,642	566,791	11,139	14,781	3/9/2025	615,477	9,272	806,898	11,492	20,764
1/10/2025	161,126	6,965	259,690	12,026	18,991	2/10/2025	384,997	4,489	572,064	5,273	9,762	3/10/2025	621,078	5,601	819,353	12,455	18,056
1/11/2025	165,206	4,080	271,596	11,906	15,986	2/11/2025	393,271	8,274	578,821	6,757	15,031	3/11/2025	627,834	6,756	831,599	12,246	19,002
1/12/2025	178,835	13,629	279,672	8,076	21,705	2/12/2025	413,143	19,872	588,391	9,570	29,442	3/12/2025	633,704	5,870	843,530	11,931	17,801
1/13/2025	192,000	13,165	286,132	6,460	19,625	2/13/2025	419,660	6,517	597,220	8,829	15,346	3/13/2025	640,819	7,115	852,905	9,375	16,490
1/14/2025	198,675	6,675	295,900	9,768	16,443	2/14/2025	427,177	7,517	603,511	6,291	13,808	3/14/2025	646,845	6,026	864,602	11,697	17,723
1/15/2025	208,609	9,934	307,465	11,565	21,499	2/15/2025	435,641	8,464	609,939	6,428	14,892	3/15/2025	652,293	5,448	877,413	12,811	18,259
1/16/2025	213,518	4,909	318,592	11,127	16,036	2/16/2025	444,450	8,809	616,507	6,568	15,377	3/16/2025	657,820	5,527	889,099	11,686	17,213
1/17/2025	219,485	5,967	329,457	10,865	16,832	2/17/2025	451,892	7,442	623,930	7,423	14,865	3/17/2025	662,964	5,144	901,085	11,986	17,130
1/18/2025	224,837	5,352	336,750	7,293	12,645	2/18/2025	459,734	7,842	630,595	6,665	14,507	3/18/2025	668,863	5,899	913,090	12,005	17,904
1/19/2025	228,447	3,610	348,327	11,577	15,187	2/19/2025	468,052	8,318	640,421	9,826	18,144	3/19/2025	674,413	5,550	925,462	12,372	17,922
1/20/2025	235,683	7,236	359,759	11,432	18,668	2/20/2025	481,197	13,145	646,012	5,591	18,736	3/20/2025	679,961	5,548	936,850	11,388	16,936
1/21/2025	243,443	7,760	370,436	10,677	18,437	2/21/2025	495,112	13,915	649,460	3,448	17,363	3/21/2025	685,970	6,009	948,699	11,849	17,858
1/22/2025	250,476	7,033	382,384	11,948	18,981	2/22/2025	503,874	8,762	660,108	10,648	19,410	3/22/2025	691,461	5,491	959,817	11,118	16,609
1/23/2025	256,676	6,200	392,446	10,062	16,262	2/23/2025	515,099	11,225	666,040	5,932	17,157	3/23/2025	697,518	6,057	970,451	10,634	16,691
1/24/2025	264,006	7,330	401,164	8,718	16,048	2/24/2025	525,511	10,412	672,472	6,432	16,844	3/24/2025	701,477	3,959	981,741	11,290	15,249
1/25/2025	270,692	6,686	410,862	9,698	16,384	2/25/2025	530,191	4,680	684,413	11,941	16,621	3/25/2025	718,271	16,794	993,610	11,869	28,663
1/26/2025	278,932	8,240	420,135	9,273	17,513	2/26/2025	538,195	8,004	688,080	3,667	11,671	3/26/2025	725,669	7,398	1,005,341	11,731	19,129
1/27/2025	285,839	6,907	431,519	11,384	18,291	2/27/2025	551,140	12,945	692,697	4,617	17,562	3/27/2025	731,693	6,024	1,016,424	11,083	17,107
1/28/2025	290,249	4,410	443,564	12,045	16,455	2/28/2025	560,901	9,761	701,026	8,329	18,090	3/28/2025	736,992	5,299	1,027,729	11,305	16,604
1/29/2025	297,664	7,415	455,004	11,440	18,855							3/29/2025	744,794	7,802	1,039,704	11,975	19,777
1/30/2025	305,127	7,463	464,815	9,811	17,274							3/30/2025	750,839	6,045	1,051,680	11,976	18,021
1/31/2025	312,350	7,223	473,432	8,617	15,840							3/31/2025	754,828	3,989	1,062,512	10,832	14,821
Total Gallons Pumped for Jan.		224,389		333,625	558,014	Total Gallons Pumped for Feb.		248,551		227,594	476,145	Total Gallons Pumped for March		193,927		361,486	555,413
Daily Gallons Pumped		7,238		10,762	18,000	Daily Gallons Pumped		8,877		8,128	17,005	Daily Gallons Pumped		6,256		11,661	17,917
Hourly Gallons Pumped		302		448	750	Hourly Gallons Pumped		370		339	709	Hourly Gallons Pumped		261		486	747
GPM for January		5.03		7.47	12.50	GPM for February		6.16		5.64	11.81	GPM for March		4.34		8.10	12.44
Total for the Quarter														666,867	922,705		1,589,572

TABLE 1 Pinyon Plain Mine - Daily Volume of Water Pumped from Underground Mining Areas - 2025																				
Date	Sump Meter Reading	Gallons Pumped (GA/D)	Ring Meter Reading	Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)	Date	Sump Meter Reading	Gallons Pumped (GA/D)	Ring Meter Reading	Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)	Date	Sump Meter Reading	Gallons Pumped (GA/D)	Ring Meter Reading	Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)			
Second Quarter																				
April						May						June								
4/1/2025	755,555	727	1,073,876	11,364	12,091	5/1/2025	993,683	7,190	83,966	11,302	18,492	6/1/2025	1,214,923	3,760	389,769	10,665	14,425			
4/2/2025	765,484	9,929	1,084,749	10,873	20,802	5/2/2025	1,001,951	8,268	95,890	11,924	20,192	6/2/2025	1,221,000	6,077	398,545	8,776	14,853			
4/3/2025	773,137	7,653	1,095,642	10,893	18,546	5/3/2025	1,002,379	428	106,403	10,513	10,941	6/3/2025	1,224,767	3,767	411,379	12,834	16,601			
4/4/2025	783,452	10,315	1,106,485	10,843	21,158	5/4/2025	1,006,336	3,957	117,581	11,178	15,135	6/4/2025	1,231,762	6,995	420,636	9,257	16,252			
4/5/2025	795,667	12,215	1,115,175	8,690	20,905	5/5/2025	1,021,297	14,961	124,260	6,679	21,640	6/5/2025	1,245,217	13,455	427,953	7,317	20,772			
4/6/2025	803,171	7,504	1,126,020	10,845	18,349	5/6/2025	1,027,387	6,090	124,260	0	6,090	6/6/2025	1,256,090	10,873	438,585	10,632	21,505			
4/7/2025	813,457	10,286	1,134,570	8,550	18,836	5/7/2025	1,039,027	11,640	130,096	5,836	17,476	6/7/2025	1,263,805	7,715	450,371	11,786	19,501			
4/8/2025	820,238	6,781	1,144,264	9,694	16,475	5/8/2025	1,046,884	7,857	141,099	11,003	18,860	6/8/2025	1,270,803	6,998	460,815	10,444	17,442			
4/9/2025	829,030	8,792	1,155,382	11,118	19,910	5/9/2025	1,055,345	8,461	152,039	10,940	19,401	6/9/2025	1,277,738	6,935	473,142	12,327	19,262			
4/10/2025	839,860	10,830	1,162,520	7,138	17,968	5/10/2025	1,065,828	10,483	161,117	9,078	19,561	6/10/2025	1,285,209	7,471	483,878	10,736	18,207			
4/11/2025	848,814	8,954	1,169,526	7,006	15,960	5/11/2025	1,072,194	6,366	173,266	12,149	18,515	6/11/2025	1,296,633	11,424	495,561	11,683	23,107			
4/12/2025	857,637	8,823	1,177,108	7,582	16,405	5/12/2025	1,081,209	9,015	183,046	9,780	18,795	6/12/2025	1,306,810	10,177	506,270	10,709	20,886			
4/13/2025	871,669	14,032	1,180,520	3,412	17,444	5/13/2025	1,089,547	8,338	194,323	11,277	19,615	6/13/2025	1,316,632	9,822	517,762	11,492	21,314			
4/14/2025	876,383	4,714	1,185,360	4,840	9,554	5/14/2025	1,095,239	5,692	204,096	9,773	15,465	6/14/2025	1,327,475	10,843	525,337	7,575	18,418			
4/15/2025	885,535	9,152	1,189,978	4,618	13,770	5/15/2025	1,102,550	7,311	213,568	9,472	16,783	6/15/2025	1,334,699	7,224	534,087	8,750	15,974			
4/16/2025	894,705	9,170	1,189,978	0	9,170	5/16/2025	1,107,406	4,856	223,164	9,596	14,452	6/16/2025	1,345,551	10,852	544,173	10,086	20,938			
4/17/2025	905,465	10,760	1,189,978	0	10,760	5/17/2025	1,116,426	9,020	230,194	7,030	16,050	6/17/2025	1,354,017	8,466	555,967	11,794	20,260			
4/18/2025	917,098	11,633	1,192,795	2,817	14,450	5/18/2025	1,123,056	6,630	240,122	9,928	16,558	6/18/2025	1,360,171	6,154	565,976	10,009	16,163			
4/19/2025	921,934	4,836	1,203,311	10,516	15,352	5/19/2025	1,129,194	6,138	251,119	10,997	17,135	6/19/2025	1,365,312	5,141	577,356	11,380	16,521			
4/20/2025	931,464	9,530	1,213,906	10,595	20,125	5/20/2025	1,134,366	5,172	263,976	12,857	18,029	6/20/2025	1,372,727	7,415	584,576	7,220	14,635			
4/21/2025	937,675	6,211	1,223,745	9,839	16,050	5/21/2025	1,142,036	7,670	273,871	9,895	17,565	6/21/2025	1,379,400	6,673	596,240	11,664	18,337			
4/22/2025	944,255	6,580	1,225,256	1,511	8,091	5/22/2025	1,150,124	8,088	283,041	9,170	17,258	6/22/2025	1,385,978	6,578	606,711	10,471	17,049			
4/23/2025	953,838	9,583	1,229,950	4,694	14,277	5/23/2025	1,163,740	13,616	292,011	8,970	22,586	6/23/2025	1,389,968	3,990	613,914	7,203	11,193			
4/24/2025	959,866	6,028	6,013	0	6,028	5/24/2025	1,169,396	5,656	303,563	11,552	17,208	6/24/2025	1,394,986	5,018	626,352	12,438	17,456			
4/25/2025	964,920	5,054	14,664	8,651	13,705	5/25/2025	1,173,510	4,114	315,184	11,621	15,735	6/25/2025	1,398,735	3,749	633,324	6,972	10,721			
4/26/2025	970,846	5,926	25,789	11,125	17,051	5/26/2025	1,178,218	4,708	324,971	9,787	14,495	6/26/2025	1,401,867	3,132	642,027	8,703	11,835			
4/27/2025	975,864	5,018	37,580	11,791	16,809	5/27/2025	1,180,802	2,584	337,827	12,856	15,440	6/27/2025	1,414,688	12,821	651,418	9,391	22,212			
4/28/2025	980,251	4,387	50,115	12,535	16,922	5/28/2025	1,189,838	9,036	350,529	12,702	21,738	6/28/2025	1,421,013	6,325	658,509	7,091	13,416			
4/29/2025	980,251	0	61,881	11,766	11,766	5/29/2025	1,199,609	9,771	358,407	7,878	17,649	6/29/2025	1,427,306	6,293	665,341	6,832	13,125			
4/30/2025	986,493	6,242	72,664	10,783	17,025	5/30/2025	1,203,569	3,960	369,120	10,713	14,673	6/30/2025	1,442,106	14,800	674,035	8,694	23,494			
						5/31/2025	1,211,163	7,594	379,104	9,984	17,578									
Total Gallons Pumped for April		231,665	234,089		465,754	Total Gallons Pumped for May		224,670	306,440		531,110	Total Gallons Pumped for June		230,943	294,931		525,874			
Daily Gallons Pumped		7,722	7,803		15,525	Daily Gallons Pumped		7,247	9,885		17,133	Daily Gallons Pumped		7,698	9,831		17,529			
Hourly Gallons Pumped		322	325		647	Hourly Gallons Pumped		302	412		714	Hourly Gallons Pumped		321	410		730			
GPM for April		5.36	5.42		10.78	GPM for May		5.03	6.86		11.90	GPM for June		5.35	6.83		12.17			
*4/1/2025: Water flow in the mine interrupted by drilling operations													Total for the Quarter					687,278	835,460	1,522,738

*4/1/2025: Water flow in the mine interrupted by drilling operations
*4/16/2025: General maintenance - Ring water was collected by the Sump
*4/17/2025: General maintenance - Ring water was collected by the Sump
*4/24/2025: Reset Ring Pump and General maintenance - Ring water was collected by the Sump
*4/29/2025: General maintenance
*5/3/2025: Water flow in the mine interrupted by drilling operations
*5/6/2025: General maintenance - Ring water was collected by the Sump

Table 1

Pinyon Plain Mine - Daily Volume of Water Pumped from Underground Mining Areas - 2025

Date	Sump Meter Reading	Gallons Pumped (GA/D)	Ring Meter Reading	Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)	Date	Sump Meter Reading	Gallons Pumped (GA/D)	Ring Meter Reading	Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)	Date	Sump Meter Reading	Gallons Pumped (GA/D)	Ring Meter Reading	Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)
Third Quarter																	
July						August						September					
7/1/2025	1,451,198	9,092	685,266	11,231	20,323	8/1/2025	1,738,025	8,063	971,232	10,065	18,128	9/1/2025	2,032,064	11,608	1,272,738	8,523	20,131
7/2/2025	1,459,552	8,354	695,536	10,270	18,624	8/2/2025	1,751,211	13,186	979,977	8,745	21,931	9/2/2025	2,041,314	9,250	1,283,268	10,530	19,780
7/3/2025	1,469,101	9,549	705,361	9,825	19,374	8/3/2025	1,760,422	9,211	987,535	7,558	16,769	9/3/2025	2,054,635	13,321	1,292,450	9,182	22,503
7/4/2025	1,476,467	7,366	716,080	10,719	18,085	8/4/2025	1,769,246	8,824	997,422	9,887	18,711	9/4/2025	2,069,525	14,890	1,298,507	6,057	20,947
7/5/2025	1,482,782	6,315	726,340	10,260	16,575	8/5/2025	1,775,993	6,747	1,008,194	10,772	17,519	9/5/2025	2,084,447	14,922	1,303,556	5,049	19,971
7/6/2025	1,493,609	10,827	736,786	10,446	21,273	8/6/2025	1,784,100	8,107	1,017,448	9,254	17,361	9/6/2025	2,098,457	14,010	1,313,035	9,479	23,489
7/7/2025	1,502,741	9,132	747,680	10,894	20,026	8/7/2025	1,789,989	5,889	1,027,555	10,107	15,996	9/7/2025	2,112,730	14,273	1,321,863	8,828	23,101
7/8/2025	1,511,930	9,189	758,684	11,004	20,193	8/8/2025	1,793,504	3,515	1,036,569	9,014	12,529	9/8/2025	2,122,560	9,830	1,331,903	10,040	19,870
7/9/2025	1,517,777	5,847	769,688	11,004	16,851	8/9/2025	1,807,253	13,749	1,043,109	6,540	20,289	9/9/2025	2,133,134	10,574	1,342,581	10,678	21,252
7/10/2025	1,532,316	14,539	780,640	10,952	25,491	8/10/2025	1,815,041	7,788	1,053,360	10,251	18,039	9/10/2025	2,143,923	10,789	1,352,578	9,997	20,786
7/11/2025	1,536,736	4,420	790,033	9,393	13,813	8/11/2025	1,823,040	7,999	1,063,732	10,372	18,371	9/11/2025	2,156,146	12,223	1,360,338	7,760	19,983
7/12/2025	1,545,183	8,447	798,388	8,355	16,802	8/12/2025	1,830,143	7,103	1,073,903	10,171	17,274	9/12/2025	2,172,805	16,659	1,363,824	3,486	20,145
7/13/2025	1,556,896	11,713	806,286	7,898	19,611	8/13/2025	1,837,675	7,532	1,083,376	9,473	17,005	9/13/2025	2,185,481	12,676	1,368,380	4,556	17,232
7/14/2025	1,560,671	3,775	812,762	6,476	10,251	8/14/2025	1,845,348	7,673	1,092,836	9,460	17,133	9/14/2025	2,198,056	12,575	1,368,380	0	12,575
7/15/2025	1,569,809	9,138	823,607	10,845	19,983	8/15/2025	1,853,812	8,464	1,103,845	11,009	19,473	9/15/2025	2,217,687	19,631	1,371,650	3,270	22,901
7/16/2025	1,579,232	9,423	833,822	10,215	19,638	8/16/2025	1,862,167	8,355	1,114,644	10,799	19,154	9/16/2025	2,229,858	12,171	1,375,159	3,509	15,680
7/17/2025	1,587,929	8,697	842,952	9,130	17,827	8/17/2025	1,870,522	8,355	1,124,579	9,935	18,290	9/17/2025	2,246,759	16,901	1,378,472	3,313	20,214
7/18/2025	1,601,752	13,823	852,682	9,730	23,553	8/18/2025	1,877,580	7,058	1,134,609	10,030	17,088	9/18/2025	2,256,209	9,450	1,384,875	6,403	15,853
7/19/2025	1,610,865	9,113	862,881	10,199	19,312	8/19/2025	1,885,231	7,651	1,144,793	10,184	17,835	9/19/2025	2,267,105	10,896	1,392,602	7,727	18,623
7/20/2025	1,624,569	13,704	872,654	9,773	23,477	8/20/2025	1,895,265	10,034	1,156,112	11,319	21,353	9/20/2025	2,273,353	6,248	1,398,986	6,384	12,632
7/21/2025	1,630,401	5,832	879,111	6,457	12,289	8/21/2025	1,903,570	8,305	1,167,325	11,213	19,518	9/21/2025	2,284,214	10,861	1,406,698	7,712	18,573
7/22/2025	1,639,341	8,940	889,612	10,501	19,441	8/22/2025	1,912,312	8,742	1,177,410	10,085	18,827	9/22/2025	2,296,221	12,007	1,414,580	7,882	19,889
7/23/2025	1,649,769	10,428	896,471	6,859	17,287	8/23/2025	1,922,319	10,007	1,187,575	10,165	20,172	9/23/2025	2,310,120	13,899	1,422,714	8,134	22,033
7/24/2025	1,668,968	19,199	903,634	7,163	26,362	8/24/2025	1,933,290	10,971	1,196,680	9,105	20,076	9/24/2025	2,324,746	14,626	1,430,022	7,308	21,934
7/25/2025	1,677,131	8,163	909,698	6,064	14,227	8/25/2025	1,946,728	13,438	1,205,023	8,343	21,781	9/25/2025	2,336,134	11,388	1,434,626	4,604	15,992
7/26/2025	1,680,520	3,389	916,560	6,862	10,251	8/26/2025	1,957,802	11,074	1,216,257	11,234	22,308	9/26/2025	2,350,231	14,097	1,436,573	1,947	16,044
7/27/2025	1,692,338	11,818	925,469	8,909	20,727	8/27/2025	1,969,214	11,412	1,227,228	10,971	22,383	9/27/2025	2,356,360	6,129	1,442,414	5,841	11,970
7/28/2025	1,701,370	9,032	933,237	7,768	16,800	8/28/2025	1,985,359	16,145	1,237,732	10,504	26,649	9/28/2025	2,381,740	25,380	1,446,156	3,742	29,122
7/29/2025	1,710,911	9,541	942,698	9,461	19,002	8/29/2025	1,997,961	12,602	1,246,814	9,082	21,684	9/29/2025	2,396,761	15,021	1,450,252	4,096	19,117
7/30/2025	1,718,832	7,921	952,180	9,482	17,403	8/30/2025	2,009,069	11,108	1,256,018	9,204	20,312	9/30/2025	2,401,621	4,860	1,459,168	8,916	13,776
7/31/2025	1,729,962	11,130	961,167	8,987	20,117	8/31/2025	2,020,456	11,387	1,264,215	8,197	19,584						
Total Gallons Pumped for July		287,856	287,132		574,988	Total Gallons Pumped for August		290,494	303,048		593,542	Total Gallons Pumped for September		381,165	194,953		576,118
Daily Gallons Pumped		9,286	9,262		18,548	Daily Gallons Pumped		9,371	9,776		19,147	Daily Gallons Pumped		12,706	6,498		19,204
Hourly Gallons Pumped		387	386		773	Hourly Gallons Pumped		390	407		798	Hourly Gallons Pumped		529	271		800
GPM for July		6.45	6.43		12.88	GPM for August		6.51	6.79		13.30	GPM for September		8.82	4.51		13.34
Total for the Quarter														959,515	785,133		1,744,648

*9/14/2025: General maintenance - Ring water was collected by the Sump

Table 1 Pinyon Plain Mine Daily Volume of Water Pumped from Underground Mining Areas During 2025																	
Date	Sump Meter Reading	Gallons Pumped (GA/D)	Ring Meter Reading	Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)	Date	Sump Meter Reading	Gallons Pumped (GA/D)	Ring Meter Reading	Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)	Date	Sump Meter Reading	Gallons Pumped (GA/D)	Ring Meter Reading	Gallons Pumped (GA/D)	Total Gallons Pumped (GA/D)
Fourth Quarter																	
October						November						December					
10/1/2025	2,416,408	14,787	1,466,527	7,359	22,146	11/1/2025	2,843,792	13,801	1,685,275	4,290	18,091	12/1/2025	3,200,454	9,371	1,891,856	2,653	12,024
10/2/2025	2,431,788	15,380	1,475,088	8,561	23,941	11/2/2025	2,856,411	12,619	1,694,203	8,928	21,547	12/2/2025	3,220,314	19,860	1,891,856	0	19,860
10/3/2025	2,447,071	15,283	1,484,051	8,963	24,246	11/3/2025	2,867,596	11,185	1,703,121	8,918	20,103	12/3/2025	3,241,354	21,040	1,891,856	0	21,040
10/4/2025	2,457,457	10,386	1,491,986	7,935	18,321	11/4/2025	2,880,995	13,399	1,710,282	7,161	20,560	12/4/2025	3,260,112	18,758	1,896,697	4,841	23,599
10/5/2025	2,472,638	15,181	1,500,778	8,792	23,973	11/5/2025	2,895,004	14,009	1,718,094	7,812	21,821	12/5/2025	3,274,590	14,478	1,904,130	7,433	21,911
10/6/2025	2,483,387	10,749	1,509,352	8,574	19,323	11/6/2025	2,905,543	10,539	1,726,990	8,896	19,435	12/6/2025	3,295,470	20,880	1,908,484	4,354	25,234
10/7/2025	2,493,282	9,895	1,518,007	8,655	18,550	11/7/2025	2,918,913	13,370	1,735,648	8,658	22,028	12/7/2025	3,312,435	16,965	1,912,176	3,692	20,657
10/8/2025	2,504,580	11,298	1,524,786	6,779	18,077	11/8/2025	2,930,638	11,725	1,744,610	8,962	20,687	12/8/2025	3,328,161	15,726	1,918,234	6,058	21,784
10/9/2025	2,526,300	21,720	1,529,447	4,661	26,381	11/9/2025	2,941,379	10,741	1,753,702	9,092	19,833	12/9/2025	3,342,913	14,752	1,923,381	5,147	19,899
10/10/2025	2,543,084	16,784	1,532,346	2,899	19,683	11/10/2025	2,950,313	8,934	1,762,694	8,992	17,926	12/10/2025	3,358,278	15,365	1,927,207	3,826	19,191
10/11/2025	2,558,293	15,209	1,540,570	8,224	23,433	11/11/2025	2,961,760	11,447	1,770,840	8,146	19,593	12/11/2025	3,373,436	15,158	1,930,160	2,953	18,111
10/12/2025	2,574,649	16,356	1,547,730	7,160	23,516	11/12/2025	2,974,113	12,353	1,779,217	8,377	20,730	12/12/2025	3,397,594	24,158	1,931,383	1,223	25,381
10/13/2025	2,588,158	13,509	1,556,027	8,297	21,806	11/13/2025	2,983,845	9,732	1,787,946	8,729	18,461	12/13/2025	3,416,341	18,747	1,934,938	3,555	22,302
10/14/2025	2,595,566	7,408	1,564,782	8,755	16,163	11/14/2025	2,994,593	10,748	1,796,446	8,500	19,248	12/14/2025	3,429,578	13,237	1,942,092	7,154	20,391
10/15/2025	2,614,069	18,503	1,574,593	9,811	28,314	11/15/2025	3,003,616	9,023	1,801,735	5,289	14,312	12/15/2025	3,443,396	13,818	1,945,170	3,078	16,896
10/16/2025	2,628,245	14,176	1,583,901	9,308	23,484	11/16/2025	3,013,092	9,476	1,807,388	5,653	15,129	12/16/2025	3,455,855	12,459	1,952,397	7,227	19,686
10/17/2025	2,638,525	10,280	1,591,184	7,283	17,563	11/17/2025	3,027,194	14,102	1,815,867	8,479	22,581	12/17/2025	3,468,598	12,743	1,957,862	5,465	18,208
10/18/2025	2,653,262	14,737	1,596,173	4,989	19,726	11/18/2025	3,035,762	8,568	1,824,610	8,743	17,311	12/18/2025	3,483,077	14,479	1,963,774	5,912	20,391
10/19/2025	2,665,572	12,310	1,604,337	8,164	20,474	11/19/2025	3,052,196	16,434	1,828,223	3,613	20,047	12/19/2025	3,497,028	13,951	1,968,482	4,708	18,659
10/20/2025	2,677,826	12,254	1,611,019	6,682	18,936	11/20/2025	3,065,221	13,025	1,831,433	3,210	16,235	12/20/2025	3,512,902	15,874	1,972,072	3,590	19,464
10/21/2025	2,688,306	10,480	1,619,135	8,116	18,596	11/21/2025	3,075,437	10,216	1,840,266	8,833	19,049	12/21/2025	3,528,105	15,203	1,977,497	5,425	20,628
10/22/2025	2,702,112	13,806	1,625,162	6,027	19,833	11/22/2025	3,084,398	8,961	1,846,039	5,773	14,734	12/22/2025	3,542,722	14,617	1,982,033	4,536	19,153
10/23/2025	2,712,323	10,211	1,632,036	6,874	17,085	11/23/2025	3,097,546	13,148	1,852,200	6,161	19,309	12/23/2025	3,556,088	13,366	1,987,548	5,515	18,881
10/24/2025	2,727,515	15,192	1,638,153	6,117	21,309	11/24/2025	3,107,732	10,186	1,859,889	7,689	17,875	12/24/2025	3,571,659	15,571	1,993,403	5,855	21,426
10/25/2025	2,740,476	12,961	1,645,617	7,464	20,425	11/25/2025	3,117,617	9,885	1,867,935	8,046	17,931	12/25/2025	3,587,286	15,627	1,996,644	3,241	18,868
10/26/2025	2,752,193	11,717	1,652,458	6,841	18,558	11/26/2025	3,133,145	15,528	1,876,505	8,570	24,098	12/26/2025	3,605,231	17,945	2,003,417	6,773	24,718
10/27/2025	2,767,177	14,984	1,661,804	9,346	24,330	11/27/2025	3,145,408	12,263	1,879,920	3,415	15,678	12/27/2025	3,623,153	17,922	2,011,411	7,994	25,916
10/28/2025	2,779,638	12,461	1,671,048	9,244	21,705	11/28/2025	3,160,470	15,062	1,884,737	4,817	19,879	12/28/2025	3,640,747	17,594	2,019,400	7,989	25,583
10/29/2025	2,791,657	12,019	1,678,274	7,226	19,245	11/29/2025	3,176,822	16,352	1,888,087	3,350	19,702	12/29/2025	3,655,883	15,136	2,025,984	6,584	21,720
10/30/2025	2,809,491	17,834	1,680,985	2,711	20,545	11/30/2025	3,191,083	14,261	1,889,203	1,116	15,377	12/30/2025	3,670,414	14,531	2,032,044	6,060	20,591
10/31/2025	2,829,991	20,500	1,680,985	0	20,500							12/31/2025	3,684,447	14,033	2,036,609	4,565	18,598
Total Gallons Pumped for October		428,370	221,817		650,187	Total Gallons Pumped for November		361,092	208,218		569,310	Total Gallons Pumped for December		493,364	147,406		640,770
Daily Gallons Pumped		13,818	7,155		20,974	Daily Gallons Pumped		12,036	6,941		18,977	Daily Gallons Pumped		15,915	4,755		20,670
Hourly Gallons Pumped		576	298		874	Hourly Gallons Pumped		502	289		791	Hourly Gallons Pumped		663	198		861
GPM for October		9.60	4.97		14.57	GPM for November		8.36	4.82		13.18	GPM for December		11.05	3.30		14.35
												Total for the Quarter		1,282,826	577,441		1,860,267
												Total for the Year		3,596,486	3,120,739		6,717,225
												GPM for the Year		6.84	5.94		12.78

*10/31/2025: General maintenance - Ring water was collected by the Sump
*12/2/2025: General maintenance - Ring water was collected by the Sump
*12/3/2025: General maintenance - Ring water was collected by the Sump

Table 2

Pinyon Plain Mine Sump Discharge into the Non-Stormwater Impoundment Sample Summary

Analytes	Units	Q1 2025	Q2 2025	Q3 2025	Q4 2025
Metals (Total)					
Antimony	mg/L	0.00676	0.0709	0.00856	0.357
Arsenic	mg/L	1.29	6.89	18.1 V	214
Barium	mg/L	0.131	0.0831	6.83 V	109
Beryllium	mg/L	0.00111 J	0.00232	0.00603	<0.2
Cadmium	mg/L	<0.000538	<0.000538	0.0434	0.685
Chromium	mg/L	0.0102	0.0575	0.0881	0.962
Copper	mg/L	0.471	11.8	64.8	1090
Iron	mg/L	1.46	6.27	32.7	649
Lead	mg/L	0.331	4.05	5.19	49.7
Manganese	mg/L	0.0601	0.249	0.951	4.97
Mercury	mg/L	0.000474	<0.0000700	0.000971	0.0600
Nickel	mg/L	0.968	2.45	6.42 V	78.4
Selenium	mg/L	<0.00616	<0.0308	0.0188	0.297
Thallium	mg/L	0.00367	0.0296	0.0111	0.262
Uranium	mg/L	3.58	75.7	133	484
Vanadium	mg/L	0.00646	0.182	0.319	2.52
Zinc	mg/L	0.303	9.74	4.43	96.8
Radionuclides (Total)					
Gross Alpha	pCi/L	6660	76200	372000	1100000
Adjusted Gross Alpha	pCi/L	4880	21900	343000	1100000
Radium 226	pCi/L	513	14600	16100	54000
Radium 228	pCi/L	6.69	11.0	10.3	1800
Uranium 234	pCi/L	1040	28800	15400	13700
Uranium 235	pCi/L	102	1550	3250	730
Uranium 238	pCi/L	743	25500	13600	11100
Major Ions (Total)					
Alkalinity	mg/L	<4.75	8.96 J	<4.75	196
Calcium	mg/L	137	228	460 V	1550
Fluoride	mg/L	<0.761	0.508 J	0.674 J	<0.6
Magnesium	mg/L	61.5	89.4	202 V	846
Nitrate-Nitrite	mg/L	18.9	88.4	97.8	30.0
Potassium	mg/L	13.5	23.7	27.5	205
Sodium	mg/L	53.3	43.9	38.8	38.3
Sulfate	mg/L	450	447	571	560
Physical Properties					
Conductivity	umhos/cm	1350	1730	1990	1520
pH (field)	S.U.	8.33	8.39	7.96	7.49
TDS	mg/L	909	1260	1350	1260

< - 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.

V - The sample concentration is too high to evaluate accurate spike recoveries.

NA - Not Applicable

** New lab reported as Carbonate Alkalinity

*Pursuant to negotiations with ADEQ regarding the individual APP, EFRI agreed to begin implementing the new sampling requirements for the sump prior to the final approval and issuance of the individual APP Permit. These samples were analyzed as total recoverable pursuant to that agreement.

Table 3

Pinyon Plain Quarterly Groundwater Elevations

	MW-01		MW-02		MW-03	
Quarter	DTW (from Surface)	GW Elevation	DTW (from Surface)	GW Elevation	DTW (from Surface)	GW Elevation
Q1 2025	997.25	5512.29	990.36	5523.03	956.17	5545.86
Q2 2025	998.72	5510.82	990.85	5522.54	957.53	5544.50
Q3 2025	998.5	5511.04	995.45	5517.94	956.64	5545.39
Q4 2025	1002.40	5507.14	992.67	5520.72	958.68	5543.35

Pinyon Plain Monitor Well TOC Elevation (ft.)

MW-01	MW-02	MW-03
6509.5	6513.4	6502.0

Table 4
Pinyon Plain Mine POC #1 MW-01

Analytes	AL Permit 100333 July 2024	AQL Permit 100333 July 2024	Units	Q1 2025	Q2 2025	Q3 2025	Q4 2025
Metals (Dissolved)							
Antimony	NA	0.013	mg/L	0.00221 J	0.00236 J	0.00243 J	0.00269
Arsenic	NA	0.218	mg/L	0.0943	0.0214	0.0110	0.0126
Barium	1.6	2	mg/L	0.0325	0.0405	0.0394	0.0477
Beryllium	0.0032	0.004	mg/L	<0.000501	<0.000501	<0.000501	<0.0001
Cadmium	0.004	0.005	mg/L	<0.000538	<0.000538	<0.000538	<0.00005
Chromium	0.08	0.1	mg/L	0.00264 J	<0.00151	<0.00151	<0.02
Lead	0.04	0.05	mg/L	0.00337 J	<0.00243	<0.00243	<0.0001
Mercury	0.0016	0.002	mg/L	<0.0000700	<0.0000700	<0.0000700	<0.0002
Nickel	NA	0.3	mg/L	0.0400	0.0362	0.0355	0.0353 B
Selenium	0.04	0.05	mg/L	<0.00616	<0.00616	<0.00616	<0.0001
Thallium	NA	0.0043	mg/L	0.00103 J	0.000683 J	0.00105 J	0.00110
Uranium	M	0.044	mg/L	0.00873	0.00845	0.00918	0.00924
Radionuclides (Dissolved)							
Adjusted Gross Alpha	NA	58.58	pCi/L	16.5	17.1	3.98	4.4
Radium 226+228	NA	6.78	pCi/L	5.99	6.431	3.71 J	2.2
Uranium Isotopes	Monitor		pCi/L	10.533	13.43	23.02	10.64
Major Ions (Dissolved)							
Alkalinity	Monitor		mg/L	<4.75	<4.75	<4.75	198
Calcium	Monitor		mg/L	113	104	101	96.3
Fluoride	3.2	4	mg/L	0.188	<0.380	0.183	0.20 B
Magnesium	Monitor		mg/L	56.3	54.3	49.2	50.4
Nitrate-Nitrite	8	10	mg/L	<0.0435	<0.0435	<0.0435	<0.02
Potassium	Monitor		mg/L	1.72 J	1.86 J	1.74 J	1.95
Sodium	Monitor		mg/L	3.09	5.39	2.81 J	3.15
Sulfate	Monitor		mg/L	266	222	224	235
Physical Properties							
Dissolved Oxygen (field)	Monitor		mg/L	4.866	3.609	5.43	4.90
Oxidation Reduction Potential (field)	Monitor		MV	-13.7	36.8	78.1	64.4
Specific Conductance	Monitor		umhos/cm	911	869	853	789
pH (field)	6.5 - 8.5		S.U.	7.22	7.34	7.37	7.27
TDS	Monitor		mg/L	595	607	574	550

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

NA - Not Applicable

NR - Not Reported

Monitor = Analysis is required but an AQL and/or AL is not established at the time of permit issuance.

** New lab reported as Carbonate Alkalinity

Table 4 Pinyon Plain Mine POC #2 MW-02															
Analytes	AL Permit 100333 July 2024	AQL Permit 100333 July 2024	Units	Q1 2025	Q1 2025 ReSample	March 2025 Accelerated Sample	Q2 2025	May 2025 Accelerated Sample	June 2025 Accelerated Sample	Q3 2025	August 2025 Accelerated Sample	September 2025 Accelerated Sample	Q4 2025	November 2025 Accelerated Sample	December 2025 Accelerated Sample
Metals															
Antimony	0.0048	0.006	mg/L	0.000600 J	NS	NS	<0.000310	NS	NS	<0.000310	NS	NS	<0.0004	NS	NS
Arsenic	0.04	0.05	mg/L	0.206	0.0434	0.0316	0.0341	0.0406	***	0.0428	0.0352	0.0407	0.0426	0.0384	0.0440
Barium	1.6	2.0	mg/L	0.0531	NS	NS	0.0530	NS	NS	0.0506	NS	NS	0.0529	NS	NS
Beryllium	0.0032	0.004	mg/L	<0.000501	NS	NS	<0.000501	NS	NS	<0.000501	NS	NS	<0.0001	NS	NS
Cadmium	0.004	0.005	mg/L	0.000605 J	NS	NS	<0.000538	NS	NS	<0.000538	NS	NS	<0.00005	NS	NS
Chromium	0.08	0.1	mg/L	<0.00151	NS	NS	<0.00151	NS	NS	0.00169 J	NS	NS	<0.02	NS	NS
Lead	0.04	0.05	mg/L	0.00312 J	NS	NS	<0.00243	NS	NS	<0.00243	NS	NS	<0.0001	NS	NS
Mercury	0.0016	0.002	mg/L	<0.0000700	NS	NS	<0.0000700	NS	NS	<0.0000700	NS	NS	<0.0002	NS	NS
Nickel	0.08	0.1	mg/L	0.0144	NS	NS	0.0114	NS	NS	0.0100	NS	NS	0.0130 B	NS	NS
Selenium	0.04	0.05	mg/L	<0.00616	NS	NS	<0.00616	NS	NS	0.00616	NS	NS	<0.0001	NS	NS
Thallium	0.0019	0.002	mg/L	0.000662 J	NS	NS	0.000532 J	NS	NS	0.000574 J	NS	NS	0.00066	NS	NS
Uranium	Monitor	0.03	mg/L	0.00476	NS	NS	0.00585	NS	NS	0.00725	NS	NS	0.00696	NS	NS
Radionuclides															
Adjusted Gross Alpha	NA	20.5	pCi/L	6.32	NS	NS	4.01	NS	NS	8.02	NS	NS	6.2	NS	NS
Radium 226+228	NA	5.43	pCi/L	2.966	NS	NS	3.431	NS	NS	2.923	NS	NS	2.4	NS	NS
Uranium Isotopes	Monitor	Monitor	pCi/L	5.3125	NS	NS	7.288	NS	NS	12.796	NS	NS	7.8	NS	NS
Major Ions															
Alkalinity	Monitor		mg/L	<4.75	NS	NS	<4.75	NS	NS	<4.75	NS	NS	193	NS	NS
Calcium	Monitor		mg/L	82.5	NS	NS	79.9	NS	NS	80.2	NS	NS	79.9	NS	NS
Fluoride	3.2	4	mg/L	0.180	NS	NS	0.138 J	NS	NS	0.138 J	NS	NS	0.16 B	NS	NS
Magnesium	Monitor		mg/L	40.9	NS	NS	41.1	NS	NS	37.9	NS	NS	39.5	NS	NS
Nitrate-Nitrite	8	10	mg/L	<0.0435	NS	NS	<0.0435	NS	NS	<0.0435	NS	NS	<0.02	NS	NS
Potassium	Monitor		mg/L	1.85 J	NS	NS	1.54 J	NS	NS	1.60 J	NS	NS	1.64	NS	NS
Sodium	Monitor		mg/L	2.61 J	NS	NS	2.56 J	NS	NS	2.43 J	NS	NS	2.66	NS	NS
Sulfate	Monitor		mg/L	127	NS	NS	116	NS	NS	112	NS	NS	116	NS	NS
Physical Properties															
Dissolved Oxygen (field)	Monitor		mg/L	4.760	4.64	NS	4.204	NS	5.36	6.03	NS	NS	5.01	NS	NS
Oxidation Reduction Potential (field)	Monitor		MV	-1.7	210	NS	17.7	NS	37.2	8.4	NS	NS	26	NS	NS
Specific Conductance	Monitor		umhos/cm	690	NS	NS	685	NS	***	666	NS	NS	654	NS	NS
pH (field)	6.5 - 8.5		S.U.	7.32	7.22	NS	7.51	NS	7.18	7.27	NS	NS	7.51	NS	NS
TDS	Monitor		mg/L	399	NS	NS	424	NS	***	405	NS	NS	406	NS	NS

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

NA - Not Applicable

NR - Not Reported

NS - Not Sampled

Monitor = Analysis is required but an AQL and/or AL is not established at the time of permit issuance.

** New lab reported as Carbonate Alkalinity

***Due to a lack of login confirmation from Pace, EFRI requested that Pace initiate an investigation regarding receipt of the sample. On July 15, 2025, Pace confirmed that, after an exhaustive search of all sample storage locations, the sample had been lost by Pace following receipt of the sample on July 3, 2025. As a result of the lost sample, EFRI will not have a June 2025 monthly sample result as required.

Table 4
Pinyon Plain Mine POC #3 MW-03

Analytes	AL Permit 100333 July 2024	AQL Permit 100333 July 2024	Units	Q1 2025	Q2 2025	Q3 2025	Q4 2025
Metals							
Antimony	0.0048	0.006	mg/L	<0.000310	<0.000310	<0.000310	<0.0004
Arsenic	0.043	0.05	mg/L	0.0268	0.0216	0.0207	0.00722
Barium	1.6	2	mg/L	0.00711	0.00735	0.00705	<0.009
Beryllium	0.0032	0.004	mg/L	<0.000501	<0.000501	<0.000501	<0.0001
Cadmium	0.004	0.005	mg/L	<0.000538	<0.000538	<0.000538	<0.00005
Chromium	0.08	0.1	mg/L	<0.00151	<0.00151	<0.00151	<0.02
Lead	0.04	0.05	mg/L	<0.00243	0.00300 J	0.00249 J	<0.0001
Mercury	0.0016	0.002	mg/L	<0.0000700	<0.0000700	<0.0000700	<0.0002
Nickel	NA	0.43	mg/L	0.265	0.199	0.244	0.234
Selenium	0.04	0.05	mg/L	<0.00616	<0.00616	<0.00616	0.00010 B
Thallium	0.0016	0.002	mg/L	0.000216 J	<0.000130	<0.000130	<0.0001
Uranium	Monitor	0.03	mg/L	0.0207	0.0111	0.0230	0.0187
Radionuclides							
Adjusted Gross Alpha	NA	23.9	pCi/L	8.70	0.000	6.67	6.0
Radium 226+228	4	5	pCi/L	3.08	2.0964	3.415 J	1.8
Uranium Isotopes	Monitor		pCi/L	6.637	14.7	18.487	15.01
Major Ions							
Alkalinity	Monitor		mg/L	<4.75	<4.75	<4.75	172
Calcium	Monitor		mg/L	207	203	202	204
Fluoride	3.2	4	mg/L	<0.761	<0.380	<0.380	<0.15
Magnesium	Monitor		mg/L	97.9	103	90.8	97.3
Nitrate-Nitrite	8	10	mg/L	<0.0435	<0.0435	<0.0435	<0.02
Potassium	Monitor		mg/L	2.52	2.42	2.44	2.49
Sodium	Monitor		mg/L	4.92	4.72	4.43	4.82
Sulfate	Monitor		mg/L	767	731	715	724
Physical Properties							
Dissolved Oxygen (field)	Monitor		mg/L	1.5	2.3	1.54	1.25
Oxidation Reduction Potential (field)	Monitor		MV	-83.6	-131	-92.4	-81.8
Specific Conductance	Monitor		umhos/cm	1560	1550	1510	1470
pH (field)	6.5 - 8.5		S.U.	6.76	7.00	6.71	6.87
TDS	Monitor		mg/L	1180	1230	1190	1240

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

NA - Not Applicable

NR - Not Reported

Monitor = Analysis is required but an AQL and/or AL is not established at the time of permit issuance.

** New lab reported as Carbonate Alkalinity

Table 4
Pinyon Plain Mine POC #4 RW-01

Analytes	AL Permit 100333 July 2024	AQL Permit 100333 July 2024	Units	Q1 2025	Q2 2025	Q3 2025	Q4 2025
Metals							
Antimony	0.0048	0.006	mg/L	0.000346 J	<0.000310	<0.000310	<0.0004
Arsenic	0.04	0.05	mg/L	<0.00783	<0.00783	<0.00783	0.00021 B
Barium	1.6	2	mg/L	0.0806	0.0875	0.0840	0.0802
Beryllium	0.0032	0.004	mg/L	<0.000501	<0.000501	<0.000501	<0.0001
Cadmium	0.004	0.005	mg/L	<0.000538	<0.000538	0.000722 J	<0.00005
Chromium	0.08	0.1	mg/L	<0.00151	<0.00151	<0.00151	<0.02
Lead	0.04	0.05	mg/L	0.00313 J	<0.00243	<0.00243	0.00040 B
Mercury	0.0016	0.002	mg/L	<0.0000700	<0.0000700	<0.0000700	<0.0002
Nickel	0.08	0.1	mg/L	0.0123	0.0205	0.0193	0.0197 B
Selenium	0.04	0.05	mg/L	<0.00616	0.00865 J	<0.00616	0.00648
Thallium	0.0016	0.002	mg/L	<0.000130	<0.000130	<0.000130	<0.0001
Uranium	Monitor	0.03	mg/L	0.0133	0.0139	0.0147	0.0155
Radionuclides							
Adjusted Gross Alpha	NA	15.38	pCi/L	6.71	0.000	0.000	<3.0
Radium 226+228	NA	8.22	pCi/L	3.822	2.056	3.49 J	1.4
Uranium Isotopes	Monitor		pCi/L	14.894	15.749	16.652 J	19.16
Major Ions							
Alkalinity	Monitor		mg/L	<4.75	<4.75	<4.75	179
Calcium	Monitor		mg/L	41.6	42.6	40.9	42.7
Fluoride	3.2	4	mg/L	0.339	0.319	0.307	0.35
Magnesium	Monitor		mg/L	29.0	30.9	28.6	29.0
Nitrate-Nitrite	8	10	mg/L	0.127 J	0.0824 J	0.101 J	0.104
Potassium	Monitor		mg/L	2.54	2.33	2.61	2.54
Sodium	Monitor		mg/L	7.81	6.93	7.08	6.58
Sulfate	Monitor		mg/L	19.2	18.6	19.3	21.1
Physical Properties							
Dissolved Oxygen (field)	Monitor		mg/L	2.21	0.849	1.48	1.08
Oxidation Reduction Potential (field)	Monitor		MV	336	86.8	-18.4	<11.5
Specific Conductance	Monitor		umhos/cm	482	464	466	450
pH (field)	6.5 - 8.5		S.U.	7.37	7.37	7.22	7.35
TDS	Monitor		mg/L	242	232	241	238

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

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** New lab reported as Carbonate Alkalinity

ATTACHMENT 1



PINYON PLAIN MINE WATER SAMPLING FIELD FORM

Sampling Event/Purpose: Q1 C1W sampling Date & Time: 1/22/25 1135

Sampling Location/Description: Samp - 1470 - 01222025

Sample ID: Samp - 1470 - 01222025 Sampler's Name: K. Manning

Weather: Sunny

FIELD MEASUREMENTS

Conductance: 1354 Units: uS/cm
pH: 8.33 units
Temperature: 12.2 °C
D.O. Redox Potential: 8.58 mg/L
Turbidity: -
ORP: -132.6 mV

Conductance: _____ Units: _____
pH: _____
Temperature: _____
Redox Potential: _____
Turbidity: _____

Notes/Comments: _____

Laboratory Name: Pace
Date Shipped: 1/22/25 1/23/25

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l			
Dissolved Solids	909		13.3	1	01/27/2025 10:19	WG2439330

Wet Chemistry by Method 2320 B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Alkalinity, Carbonate	U		4.75	20.0	1	01/26/2025 13:07	WG2439583

Sample Narrative:

L1819843-01 WG2439583: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Nitrate-Nitrite	18.9		0.435	2.00	10	01/27/2025 04:44	WG2440221

Wet Chemistry by Method 9040C

	Result	Qualifier	Dilution	Analysis date / time	Batch
Analyte	su				
pH	8.49	T8	1	01/24/2025 19:45	WG2439548

Sample Narrative:

L1819843-01 WG2439548: 8.49 at 18.5C

Wet Chemistry by Method 9050A

	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte							
Specific Conductance	1350	umhos/cm		10.0	1	01/24/2025 21:00	WG2439587

Sample Narrative:

L1819843-01 WG2439587: at 25C

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Fluoride	U		0.761	1.50	10	01/25/2025 05:36	WG2438671
Sulfate	450		6.37	50.0	10	01/25/2025 05:36	WG2438671

Sample Narrative:

L1819843-01 WG2438671: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Mercury	0.000474		0.0000700	0.000200	1	01/28/2025 22:06	WG2439726

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Arsenic	1.29		0.00783	0.0100	1	01/25/2025 15:36	WG2439336
Barium	0.131		0.000773	0.00500	1	01/25/2025 15:36	WG2439336
Beryllium	0.00111	J	0.000501	0.00200	1	01/25/2025 15:36	WG2439336
Cadmium	U		0.000538	0.00200	1	01/25/2025 15:36	WG2439336



SUMP-1470_01222025

SAMPLE RESULTS - 01

Collected date/time: 01/22/25 11:34

L1819843

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	137		0.153	1.00	1	01/25/2025 15:36	WG2439336
Chromium	0.0102		0.00151	0.0100	1	01/25/2025 15:36	WG2439336
Copper	0.471		0.00226	0.0100	1	01/25/2025 15:36	WG2439336
Iron	1.46		0.0205	0.100	1	01/25/2025 15:36	WG2439336
Lead	0.331		0.00243	0.00600	1	01/25/2025 15:36	WG2439336
Magnesium	61.5		0.101	1.00	1	01/25/2025 15:36	WG2439336
Manganese	0.0601		0.00101	0.0100	1	01/25/2025 15:36	WG2439336
Nickel	0.968		0.00196	0.0100	1	01/25/2025 15:36	WG2439336
Potassium	13.5		0.624	2.00	1	01/25/2025 15:36	WG2439336
Selenium	U		0.00616	0.0100	1	01/25/2025 15:36	WG2439336
Sodium	53.3		0.444	3.00	1	01/25/2025 15:36	WG2439336

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony	0.00676		0.000310	0.00400	1	01/26/2025 19:02	WG2440039
Thallium	0.00367		0.000130	0.00200	1	01/26/2025 19:02	WG2440039
Uranium	3.58		0.00130	0.0100	10	01/26/2025 20:27	WG2440039
Vanadium	0.00646		0.000520	0.00500	1	01/26/2025 19:02	WG2440039
Zinc	0.303		0.00400	0.0250	1	01/26/2025 19:02	WG2440039

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	6660		80.4	80.5	3.40	1.32	02/01/2025 00:34	WG2441013

Cp

Tc

Ss

Cn

Sr

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	513		6.18	6.31	0.148	0.0452	02/14/2025 21:25	WG2441733
(T) Barium	103					30.0-143	02/14/2025 21:25	WG2441733

Qc

GI

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	6.69		1.77	2.73	3.23	1.70	02/05/2025 22:14	WG2441146
(T) Barium	39.9					30.0-143	02/05/2025 22:14	WG2441146
(T) Yttrium	64.7					30.0-136	02/05/2025 22:14	WG2441146

Al

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	4880				02/01/2025 00:34	WG2441013

Sc

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	1040		25.9	28.7	1.41	0.453	01/29/2025 23:30	WG2440675
URANIUM-235	102		9.64	10.5	2.90	1.11	01/29/2025 23:30	WG2440675
URANIUM-238	743		22.0	24.3	1.41	0.453	01/29/2025 23:30	WG2440675
(T) URANIUM-232	20.1	C2				30.0-110	01/29/2025 23:30	WG2440675



Pinyon Plain
Field Form For Groundwater

Well No.	MW-01
Sampler(s)	Russ, Kian, Matt, Jordan

Purge Date	
Sample Date	01/20/2025

WELL INFORMATION

Total Well Depth (ft)	1148
Casing Diameter (in)	6

Screened Interval (ft)	920 to 1148
Static water depth (ft)	997.25

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	12:38	Time Completed	16:26
Pump Rate (gpm)	3.36		
Depth to Water after Purging (ft)			

Total Purge Time	228
Total Purge Volume	711.7497559

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (%)	Turbidity (NTU)
12:38	3771.86	0						
13:00			8.8	852	7.02	3.6	30.9	
13:30			12.2	845	7.02	22.1	54.9	
13:59	4029.55	257.69	11.1	823	7.22	6.7	64.7	
14:29	4123.12	351.26	9.6	855	7.24	-24.7	67.7	
15:00	4222.14	450.28	9.4	827	7.28	-27.3	63.1	
15:30	4308.73	536.87	9.9	872	7.25	-31.6	62.5	
16:00	4401.26	629.4	13.0	873	7.23	-25.1	45.2	
16:05	4418.8	646.94	12.9	874	7.23	-27.5	44.2	
16:10	4436.17	664.31	12.1	878	7.20	-21.3	38.7	
16:15	4446.32	674.46	13.8	875	7.20	-13.9	44.8	
16:20	4467.89	696.03	14.1	875	7.21	-14.8	46.1	
16:26	4483.61	711.75	13.6	878	7.22	-13.7	46.8	

↳ 4.866 mg

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
MW-01_01202025	01/20/2025	16:26	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

MW-01-01202025

SAMPLE RESULTS - 01

Collected date/time: 01/20/25 16:26

L1819840

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	595		10.0	1	01/27/2025 10:19	WG2439330

Wet Chemistry by Method 2320 B-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Alkalinity,Carbonate	U		4.75	20.0	1	01/26/2025 10:29	WG2439583

Sample Narrative:

L1819840-01 WG2439583: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0435	0.200	1	01/27/2025 04:33	WG2440221

Wet Chemistry by Method 9040C

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.86	T8	1	01/24/2025 19:45	WG2439548

Sample Narrative:

L1819840-01 WG2439548: 7.86 at 18.7C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	911	umhos/cm		10.0	1	01/24/2025 21:00	WG2439587

Sample Narrative:

L1819840-01 WG2439587: at 25C

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Fluoride	0.188		0.0761	0.150	1	01/25/2025 02:30	WG2438671
Sulfate	266		6.37	50.0	10	01/25/2025 02:47	WG2438671

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	U		0.0000700	0.000200	1	01/30/2025 12:19	WG2440224

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.0943		0.00783	0.0100	1	01/25/2025 19:20	WG2439353
Barium,Dissolved	0.0325		0.000773	0.00500	1	01/25/2025 19:20	WG2439353
Beryllium,Dissolved	U		0.000501	0.00200	1	01/25/2025 19:20	WG2439353
Cadmium,Dissolved	U		0.000538	0.00200	1	01/25/2025 19:20	WG2439353
Calcium,Dissolved	113		0.153	1.00	1	01/25/2025 19:20	WG2439353
Chromium,Dissolved	0.00264	J	0.00151	0.0100	1	01/25/2025 19:20	WG2439353
Lead,Dissolved	0.00337	J	0.00243	0.00600	1	01/25/2025 19:20	WG2439353



MW-01-01202025

SAMPLE RESULTS - 01

Collected date/time: 01/20/25 16:26

L1819840

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Magnesium,Dissolved	56.3		0.101	1.00	1	01/25/2025 19:20	WG2439353
Nickel,Dissolved	0.0400		0.00196	0.0100	1	01/25/2025 19:20	WG2439353
Potassium,Dissolved	1.72	J	0.624	2.00	1	01/25/2025 19:20	WG2439353
Selenium,Dissolved	U		0.00616	0.0100	1	01/25/2025 19:20	WG2439353
Sodium,Dissolved	3.09		0.444	3.00	1	01/25/2025 19:20	WG2439353

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	0.00221	J	0.000310	0.00400	1	01/24/2025 20:36	WG2439338
Thallium,Dissolved	0.00103	J	0.000130	0.00200	1	01/24/2025 20:36	WG2439338
Uranium,Dissolved	0.00873		0.000130	0.00100	1	01/24/2025 20:36	WG2439338



MW-01-01202025

Collected date/time: 01/20/25 16:26

SAMPLE RESULTS - 01

L1819842

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	26.7		3.79	3.80	1.70	0.657	01/31/2025 03:17	WG2441013
GROSS BETA	5.60		1.79	1.81	1.89	0.892	01/31/2025 03:17	WG2441013

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	4.14		0.696	0.833	0.230	0.0700	02/03/2025 23:04	WG2441733
(T) Barium	108					30.0-143	02/03/2025 23:04	WG2441733

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.85		0.790	1.38	1.45	0.762	02/12/2025 17:51	WG2441146
(T) Barium	66.7					30.0-143	02/12/2025 17:51	WG2441146
(T) Yttrium	100					30.0-136	02/12/2025 17:51	WG2441146

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	16.5				01/31/2025 03:17	WG2441013

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	7.18		1.06	1.33	0.381	0.132	01/29/2025 23:10	WG2440675
URANIUM-235	0.353	J	0.383	0.441	0.512	0.177	01/29/2025 23:10	WG2440675
URANIUM-238	3.00		0.694	0.864	0.330	0.106	01/29/2025 23:10	WG2440675
(T) URANIUM-232	99.7					30.0-110	01/29/2025 23:10	WG2440675

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc



Pinyon Plain
Field Form For Groundwater

Well No.	MW-02
Sampler(s)	

Purge Date	
Sample Date	01/22/2025

WELL INFORMATION

Total Well Depth (ft)	1130
Casing Diameter (in)	6

Screened Interval (ft)	920 to 1130
Static water depth (ft)	990.36

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	11:30	Time Completed	14:10
Pump Rate (gpm)	3.46		
Depth to Water after Purging (ft)			

Total Purge Time	160
Total Purge Volume	547.2000122

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (%)	Turbidity (NTU)
11:30	102.6	0	13.8	650	7.07	-183.1	17.3	
12:00	205.2	102.6	14.3	652	7.35	-32.4	23.0	
12:30	307.8	205.2	14.3	652	7.38	-23.8	26.3	
13:00	410.4	307.8	14.7	647	7.30	12.0	36.1	
13:35	530.1	427.5	14.8	641	7.32	-4.2	44.9	
14:00	615.6	513	14.8	639	7.31	0.5	45.6	
14:05	632.7	530.1	14.8	638	7.31	3.1	46.6	
14:10	649.8	547.2	14.8	638	7.32	-1.7	47.0	

↳ 4.760

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
MW-02_01222025	01/22/2025	14:11	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)



**Pinyon Plain
Field Form For Groundwater**

Resample

Well No.	MW-02
Sampler(s)	

Purge Date	02/07/2025
Sample Date	02/07/2025

WELL INFORMATION

Total Well Depth (ft)	1130
Casing Diameter (in)	6

Screened Interval (ft)	920 to 1130
Static water depth (ft)	989.45

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	10:01	Time Completed	15:18
Pump Rate (gpm)	4.8		
Depth to Water after Purging (ft)			

Total Purge Time	317
Total Purge Volume	938

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (% <i>mg</i>)	Turbidity (NTU)
10:01	58	0	13.77	503	7.03	112	0	212.7
10:22	27	-31						
11:55	359	301	15.7	519.1	7.23	170	4.48	14.9
13:12	588	530	15.46	527.3	7.17	220	4.69	9.4
15:14	983	925	15.23	529.8	7.22	222	4.63	5.8
15:18	996	938	15.35	532.1	7.22	210	4.64	5.9

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
1331	02/07/2025	15:18	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

MW-02-01222025

Collected date/time: 01/22/25 14:11

SAMPLE RESULTS - 02

L1819840

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l			
Dissolved Solids	399		10.0	1	01/27/2025 10:19	WG2439330

Wet Chemistry by Method 2320 B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Alkalinity, Carbonate	U		4.75	20.0	1	01/26/2025 11:03	WG2439583

Sample Narrative:

L1819840-02 WG2439583: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Nitrate-Nitrite	U		0.0435	0.200	1	01/27/2025 04:36	WG2440221

Wet Chemistry by Method 9040C

	Result	Qualifier	Dilution	Analysis date / time	Batch
Analyte	su				
pH	7.97	T8	1	01/24/2025 19:45	WG2439548

Sample Narrative:

L1819840-02 WG2439548: 7.97 at 18.4C

Wet Chemistry by Method 9050A

	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte							
Specific Conductance	690	umhos/cm		10.0	1	01/24/2025 21:00	WG2439587

Sample Narrative:

L1819840-02 WG2439587: at 25C

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Fluoride	0.180		0.0761	0.150	1	01/25/2025 03:37	WG2438671
Sulfate	127		3.18	25.0	5	01/25/2025 03:54	WG2438671

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Mercury, Dissolved	U		0.0000700	0.000200	1	01/30/2025 12:45	WG2440224

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Arsenic, Dissolved	0.206		0.00783	0.0100	1	01/25/2025 19:22	WG2439353
Barium, Dissolved	0.0531		0.000773	0.00500	1	01/25/2025 19:22	WG2439353
Beryllium, Dissolved	U		0.000501	0.00200	1	01/25/2025 19:22	WG2439353
Cadmium, Dissolved	0.000605	J	0.000538	0.00200	1	01/25/2025 19:22	WG2439353
Calcium, Dissolved	82.5		0.153	1.00	1	01/25/2025 19:22	WG2439353
Chromium, Dissolved	U		0.00151	0.0100	1	01/25/2025 19:22	WG2439353
Lead, Dissolved	0.00312	J	0.00243	0.00600	1	01/25/2025 19:22	WG2439353

MW-02-01222025

Collected date/time: 01/22/25 14:11

SAMPLE RESULTS - 02

L1819840

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Magnesium,Dissolved	40.9		0.101	1.00	1	01/25/2025 19:22	WG2439353
Nickel,Dissolved	0.0144		0.00196	0.0100	1	01/25/2025 19:22	WG2439353
Potassium,Dissolved	1.85	J	0.624	2.00	1	01/25/2025 19:22	WG2439353
Selenium,Dissolved	U		0.00616	0.0100	1	01/25/2025 19:22	WG2439353
Sodium,Dissolved	2.61	J	0.444	3.00	1	01/25/2025 19:22	WG2439353

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	0.000600	J	0.000310	0.00400	1	01/24/2025 21:19	WG2439338
Thallium,Dissolved	0.000662	J	0.000130	0.00200	1	01/24/2025 21:19	WG2439338
Uranium,Dissolved	0.00476		0.000130	0.00100	1	01/24/2025 21:19	WG2439338

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

MW-02_02072025

Collected date/time: 02/07/25 15:18

SAMPLE RESULTS - 01

L1827093

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.0434		0.00783	0.0100	1	02/18/2025 20:28	WG2452795

Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

MW-02-01222025

Collected date/time: 01/22/25 14:11

SAMPLE RESULTS - 02

L1819842

Radiochemistry by Method 900

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	11.5		2.10	2.11	1.06	0.395	01/31/2025 03:17	WG2441013
GROSS BETA	4.81		1.49	1.51	1.65	0.777	01/31/2025 03:17	WG2441013

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	2.57		0.562	0.699	0.331	0.121	02/03/2025 23:04	WG2441733
(T) Barium	106					30.0-143	02/03/2025 23:04	WG2441733

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.396	J	0.419	0.738	0.788	0.412	02/12/2025 17:51	WG2441146
(T) Barium	77.8					30.0-143	02/12/2025 17:51	WG2441146
(T) Yttrium	101					30.0-136	02/12/2025 17:51	WG2441146

Radiochemistry by Method Calculation

	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
Analyte	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	6.32				01/31/2025 03:17	WG2441013

Radiochemistry by Method D3972 U-02

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	3.66		0.784	0.936	0.410	0.145	01/29/2025 23:10	WG2440675
URANIUM-235	0.0925	U	0.267	0.291	0.458	0.148	01/29/2025 23:10	WG2440675
URANIUM-238	1.56		0.518	0.617	0.335	0.108	01/29/2025 23:10	WG2440675
(T) URANIUM-232	95.5					30.0-110	01/29/2025 23:10	WG2440675





Pinyon Plain
Field Form For Groundwater

Well No.	MW-03
Sampler(s)	

Purge Date	
Sample Date	01/21/2025

WELL INFORMATION

Total Well Depth (ft)	1145
Casing Diameter (in)	6

Screened Interval (ft)	920 to 1145
Static water depth (ft)	956.17

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	11:30	Time Completed	15:35
Pump Rate (gpm)	3.21		
Depth to Water after Purging (ft)			

Total Purge Time	245
Total Purge Volume	765.0999756

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (%)	Turbidity (NTU)
11:30	102.72	0	14.2	1564	6.71	-101.4	5.4	
12:00	199.02	96.3	14.9	1518	6.75	-119.3	10.8	
12:30	295.32	192.6	14.6	1493	6.85	-114.9	13.5	
13:00	391.62	288.9	14.8	1195	6.83	-85.6	5.2	
13:30	487.92	385.2	14.8	1211	6.82	-97.9	5.7	
14:00	584.22	481.5	14.8	1331	6.80	-95.2	6.5	
14:30	680.52	577.8	14.9	1437	6.79	-92.1	7.8	
15:00	776.82	674.1	15.0	1393	6.79	-84.1	16.3	
15:20	828.82	726.1	15.0	1483	6.77	-81.5	16.1	
15:25	841.82	739.1	14.9	1461	6.77	-83.6	15.6	
15:30	854.82	752.1	15.0	1456	6.78	-83.6	15.3	
15:35	867.82	765.1	14.9	1452	6.76	-83.6	15.0	

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
MW-03_01212025	01/21/2025	15:36	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)



**Pinyon Plain
Field Form For Groundwater**

Resample

Well No.	MW-03
Sampler(s)	

Purge Date	
Sample Date	02/19/2025

WELL INFORMATION

Total Well Depth (ft)	1145
Casing Diameter (in)	6

Screened Interval (ft)	920 to 1145
Static water depth (ft)	956.35

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	10:29	Time Completed	15:22
Pump Rate (gpm)	2.5		
Depth to Water after Purging (ft)			

Total Purge Time	293
Total Purge Volume	821

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (%)	Turbidity (NTU)
10:29	27.5	0	13.31	1190.6	6.85	89		10.8
11:25	166	138.5	14.01	1164.6	7.14	101		17.5
12:35	406	378.5	14.38	1175.1	7.04	88		14.3
13:25	556	528.5	14.34	1181.8	7.23	74		6.3
14:25	706	678.5	14.22	1178.6	7.07	58		4.5
15:16	833.5	806	14.30	1186.7	7.11	65		3.1
15:18	838.5	811	14.29	1186.4	7.06	61		3.2
15:19	841	813.5	14.28	1186.3	7.05	59		3.2
15:20	843.5	816	14.31	1187.2	7.04	56		3.0
15:21	846	818.5	14.37	1188.4	7.04	54		3.3
15:22	848.5	821	14.30	1186.2	7.03	53		3.5

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
MW-03_	02/19/2025	15:22	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

MW-03-01212025

Collected date/time: 01/21/25 15:36

SAMPLE RESULTS - 03

L1819840

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1180		20.0	1	01/27/2025 10:19	WG2439330

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity, Carbonate	U		4.75	20.0	1	01/26/2025 11:08	WG2439583

Sample Narrative:

L1819840-03 WG2439583: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0435	0.200	1	01/27/2025 04:38	WG2440221

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.33	T8	1	01/24/2025 19:45	WG2439548

Sample Narrative:

L1819840-03 WG2439548: 7.33 at 18.4C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1560	umhos/cm		10.0	1	01/24/2025 21:00	WG2439587

Sample Narrative:

L1819840-03 WG2439587: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Fluoride	U		0.761	1.50	10	01/25/2025 04:11	WG2438671
Sulfate	767		6.37	50.0	10	01/25/2025 04:11	WG2438671

Sample Narrative:

L1819840-03 WG2438671: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury, Dissolved	U		0.0000700	0.000200	1	01/30/2025 12:47	WG2440224

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic, Dissolved	0.0268		0.00783	0.0100	1	01/25/2025 19:24	WG2439353
Barium, Dissolved	0.00711		0.000773	0.00500	1	01/25/2025 19:24	WG2439353
Beryllium, Dissolved	U		0.000501	0.00200	1	01/25/2025 19:24	WG2439353
Cadmium, Dissolved	U		0.000538	0.00200	1	01/25/2025 19:24	WG2439353



MW-03-01212025

SAMPLE RESULTS - 03

Collected date/time: 01/21/25 15:36

L1819840

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium,Dissolved	207		0.153	1.00	1	01/25/2025 19:24	WG2439353
Chromium,Dissolved	U		0.00151	0.0100	1	01/25/2025 19:24	WG2439353
Lead,Dissolved	U		0.00243	0.00600	1	01/25/2025 19:24	WG2439353
Magnesium,Dissolved	97.9		0.101	1.00	1	01/25/2025 19:24	WG2439353
Nickel,Dissolved	0.265		0.00196	0.0100	1	01/25/2025 19:24	WG2439353
Potassium,Dissolved	2.52		0.624	2.00	1	01/25/2025 19:24	WG2439353
Selenium,Dissolved	U		0.00616	0.0100	1	01/25/2025 19:24	WG2439353
Sodium,Dissolved	4.92		0.444	3.00	1	01/25/2025 19:24	WG2439353

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	U		0.000310	0.00400	1	01/24/2025 21:23	WG2439338
Thallium,Dissolved	0.000216	J	0.000130	0.00200	1	01/24/2025 21:23	WG2439338
Uranium,Dissolved	0.0207		0.000130	0.00100	1	01/24/2025 21:23	WG2439338

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

MW-03_02192025

Collected date/time: 02/19/25 15:23

SAMPLE RESULTS - 01

L1828866

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	15.0		5.38	5.42	5.73	2.50	03/03/2025 13:56	WG2459205
GROSS BETA	5.73	J	4.67	4.71	5.83	2.77	03/03/2025 13:56	WG2459205

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	1.73		0.402	0.542	0.221	0.0761	03/06/2025 15:21	WG2456918
(T) Barium	96.0					30.0-143	03/06/2025 15:21	WG2456918

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.35		0.749	1.25	1.30	0.680	02/26/2025 21:56	WG2457001
(T) Barium	94.9					30.0-143	02/26/2025 21:56	WG2457001
(T) Yttrium	89.7					30.0-136	02/26/2025 21:56	WG2457001

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	8.70				03/03/2025 13:56	WG2459205

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	3.25		0.834	1.10	0.470	0.159	02/25/2025 16:59	WG2455193
URANIUM-235	0.297	J	0.418	0.499	0.609	0.202	02/25/2025 16:59	WG2455193
URANIUM-238	3.09		0.805	1.07	0.424	0.136	02/25/2025 16:59	WG2455193
(T) URANIUM-232	83.2					30.0-110	02/25/2025 16:59	WG2455193

Cp

Tc

Ss

Cn

Sr

Qc

GI

AI

Sc



**Pinyon Plain
Field Form For Groundwater**

Well No.	RW-01
Sampler(s)	

Purge Date	
Sample Date	02/05/2025

WELL INFORMATION

Total Well Depth (ft)	3086
Casing Diameter (in)	8

Screened Interval (ft)	2584 to 2960
Static water depth (ft)	

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	12:30	Time Completed	14:25
Pump Rate (gpm)	32		
Depth to Water after Purging (ft)			

Total Purge Time	115
Total Purge Volume	1760

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (%)	Turbidity (NTU)
12:30	928	0	17.25	436.6	7.46	335	3.67	77.3
12:45	1408	480	17.88	437.0	7.45	336	3.49	234.9
13:05	2016	1088	20.99	440.2	7.41	337	2.41	2.5
13:10	2208	1280	21.83	442.6	7.39	336	2.15	3.4
13:15	2368	1440	22.88	447.6	7.37	336	2.21	4.1
14:20	2528	1600	22.86	443.3	7.37	336	2.11	4.3
14:25	2688	1760	22.79	443.8	7.37	336	2.21	4.2

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
RW-01_01222025	01/22/2025	13:26	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

RW-01-01222025

Collected date/time: 01/22/25 13:26

SAMPLE RESULTS - 05

L1819840

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	242		10.0	1	01/27/2025 10:19	WG2439330

Wet Chemistry by Method 2320 B-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Alkalinity,Carbonate	U		4.75	20.0	1	01/26/2025 11:25	WG2439583

Sample Narrative:

L1819840-05 WG2439583: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.127	J	0.0435	0.200	1	01/27/2025 04:42	WG2440221

Wet Chemistry by Method 9040C

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.06	T8	1	01/24/2025 19:45	WG2439548

Sample Narrative:

L1819840-05 WG2439548: 8.06 at 18.4C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	482	umhos/cm		10.0	1	01/24/2025 21:00	WG2439587

Sample Narrative:

L1819840-05 WG2439587: at 25C

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Fluoride	0.339		0.0761	0.150	1	01/25/2025 05:19	WG2438671
Sulfate	19.2		0.637	5.00	1	01/25/2025 05:19	WG2438671

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	U		0.0000700	0.000200	1	01/30/2025 12:53	WG2440224

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	U		0.00783	0.0100	1	01/25/2025 19:27	WG2439353
Barium,Dissolved	0.0806		0.000773	0.00500	1	01/25/2025 19:27	WG2439353
Beryllium,Dissolved	U		0.000501	0.00200	1	01/25/2025 19:27	WG2439353
Cadmium,Dissolved	U		0.000538	0.00200	1	01/25/2025 19:27	WG2439353
Calcium,Dissolved	41.6		0.153	1.00	1	01/25/2025 19:27	WG2439353
Chromium,Dissolved	U		0.00151	0.0100	1	01/25/2025 19:27	WG2439353
Lead,Dissolved	0.00313	J	0.00243	0.00600	1	01/25/2025 19:27	WG2439353



RW-01-01222025

SAMPLE RESULTS - 05

Collected date/time: 01/22/25 13:26

L1819840

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Magnesium,Dissolved	29.0		0.101	1.00	1	01/25/2025 19:27	WG2439353
Nickel,Dissolved	0.0123		0.00196	0.0100	1	01/25/2025 19:27	WG2439353
Potassium,Dissolved	2.54		0.624	2.00	1	01/25/2025 19:27	WG2439353
Selenium,Dissolved	U		0.00616	0.0100	1	01/25/2025 19:27	WG2439353
Sodium,Dissolved	7.81		0.444	3.00	1	01/25/2025 19:27	WG2439353

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	0.000346	<u>J</u>	0.000310	0.00400	1	01/24/2025 21:29	WG2439338
Thallium,Dissolved	U		0.000130	0.00200	1	01/24/2025 21:29	WG2439338
Uranium,Dissolved	0.0133		0.000130	0.00100	1	01/24/2025 21:29	WG2439338

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

RW-01-01222025

Collected date/time: 01/22/25 13:26

SAMPLE RESULTS - 05

L1819842

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	21.1		2.52	2.53	1.14	0.465	01/31/2025 03:17	WG2441013
GROSS BETA	4.32		1.60	1.62	1.73	0.818	01/31/2025 03:17	WG2441013

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	3.54		0.520	0.657	0.186	0.0642	02/14/2025 21:25	WG2441733
(T) Barium	110					30.0-143	02/14/2025 21:25	WG2441733

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.282	<u>U</u>	0.391	0.743	0.689	0.364	02/05/2025 17:17	WG2441146
(T) Barium	106					30.0-143	02/05/2025 17:17	WG2441146
(T) Yttrium	67.2					30.0-136	02/05/2025 17:17	WG2441146

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	6.71				01/31/2025 03:17	WG2441013

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	9.87		1.41	1.66	0.462	0.155	01/30/2025 09:10	WG2440675
URANIUM-235	0.524	<u>J</u>	0.476	0.533	0.589	0.192	01/30/2025 09:10	WG2440675
URANIUM-238	4.50		0.961	1.13	0.414	0.131	01/30/2025 09:10	WG2440675
(T) URANIUM-232	76.5					30.0-110	01/30/2025 09:10	WG2440675





ANALYTICAL REPORT

February 18, 2025

¹ Gp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Energy Fuels Resources

Sample Delivery Group: L1819842
Samples Received: 01/24/2025
Project Number:
Description: Pinyon Plain Mine GW Sampling

Report To: Kathy Weinel
225 Union Blvd
Suite 600
Lakewood, CO 80228

Entire Report Reviewed By:

Donna Eidson
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

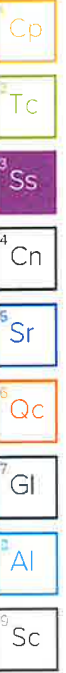
MW-01-01202025 L1819842-01 Non-Potable Water

Collected by
K. Manning

Collected date/time
01/20/25 16:26

Received date/time
01/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2441013	1	01/28/25 11:15	01/31/25 03:17	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2441733	1	01/29/25 09:30	02/03/25 23:04	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2441146	1	01/30/25 10:21	02/12/25 17:51	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2441013	1	01/28/25 11:15	01/31/25 03:17	ZRG	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2440675	1	01/29/25 06:30	01/29/25 23:10	ZRG	Mt. Juliet, TN



MW-02-01222025 L1819842-02 Non-Potable Water

Collected by
K. Manning

Collected date/time
01/22/25 14:11

Received date/time
01/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2441013	1	01/28/25 11:15	01/31/25 03:17	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2441733	1	01/29/25 09:30	02/03/25 23:04	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2441146	1	01/30/25 10:21	02/12/25 17:51	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2441013	1	01/28/25 11:15	01/31/25 03:17	ZRG	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2440675	1	01/29/25 06:30	01/29/25 23:10	ZRG	Mt. Juliet, TN

MW-03-01212025 L1819842-03 Non-Potable Water

Collected by
K. Manning

Collected date/time
01/21/25 15:36

Received date/time
01/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2441013	1	01/28/25 11:15	01/31/25 03:17	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2441733	1	01/29/25 09:30	02/04/25 00:04	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2441146	1	01/30/25 10:21	02/12/25 17:51	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2441013	1	01/28/25 11:15	01/31/25 03:17	ZRG	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2440675	1	01/29/25 06:30	01/29/25 23:10	ZRG	Mt. Juliet, TN

MW-65-01202025 L1819842-04 Non-Potable Water

Collected by
K. Manning

Collected date/time
01/20/25 12:00

Received date/time
01/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2441013	1	01/28/25 11:15	01/31/25 18:49	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2441733	1	01/29/25 09:30	02/04/25 00:04	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2441146	1	01/30/25 10:21	02/12/25 17:51	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2441013	1	01/28/25 11:15	01/31/25 18:49	ZRG	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2440675	1	01/29/25 06:30	01/29/25 23:10	ZRG	Mt. Juliet, TN

RW-01-01222025 L1819842-05 Non-Potable Water

Collected by
K. Manning

Collected date/time
01/22/25 13:26

Received date/time
01/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2441013	1	01/28/25 11:15	01/31/25 03:17	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2441733	1	01/29/25 09:30	02/14/25 21:25	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2441146	1	01/30/25 10:21	02/05/25 17:17	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2441013	1	01/28/25 11:15	01/31/25 03:17	ZRG	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2440675	1	01/29/25 06:30	01/30/25 09:10	ZRG	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Donna Eidson
Project Manager

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4173369-1 01/30/25 19:50

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE +/-	MB MDA pCi/l	MB Lc pCi/l
GROSS ALPHA	0.858		0.517	0.605	0.247
GROSS BETA	1.56		0.995	1.25	0.588

L1819845-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819845-01 02/01/25 00:34 • (DUP) R4173369-5 02/01/25 00:34

Analyte	Original Result pCi/l	Original 2 sigma CE +/-	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE +/-	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
GROSS ALPHA	6660	80.4	3.40	1.32	6860	82.1	3.85	1.54	2.94	1.73		20	3
GROSS BETA	1140	20.8	3.38	1.61	1070	21.2	3.65	1.75	6.32	2.36		20	3

Laboratory Control Sample (LCS)

(LCS) R4173369-2 01/30/25 19:50

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
GROSS ALPHA	15.0	13.7	91.2	80.0-120	
GROSS BETA	39.6	40.4	102	80.0-120	

L1819760-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819760-07 01/31/25 18:49 • (MS) R4173369-3 01/30/25 19:50 • (MSD) R4173369-4 01/30/25 19:50

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
GROSS ALPHA	15.0	0.302	14.4	14.3	1	70.0-130			0.628		20
GROSS BETA	39.6	0.0823	41.0	43.3	1	70.0-130			5.62		20

Method Blank (MB)

(MB) R4175765-1 02/03/25 20:03

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226 (T) Barium	0.0151 109	U	0.0890 109	0.186	0.0706

L1818088-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1818088-01 02/03/25 21:04 • (DUP) R4175765-5 02/03/25 21:04

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226 (T) Barium	0.000 106	0.119	0.292	0.100	0.000 107	0.334 107	0.741	0.281	0.000	0.000	U	20	3

Laboratory Control Sample (LCS)

(LCS) R4175765-2 02/03/25 20:03

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226 (T) Barium	5.00	4.80	96.1 112	80.0-120	

L1820688-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1820688-02 02/04/25 01:05 • (MS) R4175765-3 02/03/25 20:03 • (MSD) R4175765-4 02/03/25 20:03

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226 (T) Barium	20.0	0.299 108	17.2	19.6	84.7 114	96.3 110	1	75.0-125			12.6		20

Method Blank (MB)

(MB) R4176524-1 02/04/25 17:04

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.0392	U	0.179	0.348	0.182
(T) Barium	95.1		95.1		
(T) Yttrium	85.3		85.3		

L1820688-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1820688-10 02/05/25 22:14 • (DUP) R4176524-5 02/04/25 17:04

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.374	0.533	1.03	0.537	-0.193	0.575	1.12	0.586	200	0.723	U	20	3
(T) Barium	98.1				106	106							
(T) Yttrium	61.2				93.1	93.1							

Laboratory Control Sample (LCS)

(LCS) R4176524-2 02/04/25 17:04

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.76	115	80.0-120	
(T) Barium			112		
(T) Yttrium			86.5		

L1818469-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1818469-11 02/05/25 17:17 • (MS) R4176524-3 02/04/25 17:04 • (MSD) R4176524-4 02/04/25 17:04

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	0.111	11.4	10.8	113	107	1	70.0-130					
(T) Barium		105			107	92.5					5.41		20
(T) Yttrium		62.5			83.4	77.8							

Method Blank (MB)

(MB) R4172999-1 01/29/25 23:10

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
URANIUM-234	0.0622		0.0461	0.0607	0.0237
URANIUM-235	-0.00312	U	0.0381	0.0747	0.0284
URANIUM-238	0.00888	U	0.0302	0.0533	0.0201
(T) URANIUM-232	88.0		88.0		

L1819842-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1819842-05 01/30/25 09:10 • (DUP) R4172999-3 01/29/25 23:10

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
URANIUM-234	9.87	1.41	0.462	0.155	7.43	1.06	0.343	0.115	28.3	1.39		20	3
URANIUM-235	0.524	0.476	0.589	0.192	0.493	0.382	0.438	0.143	6.19	0.0516		20	3
URANIUM-238	4.50	0.961	0.414	0.131	4.13	0.794	0.326	0.107	8.48	0.294		20	3
(T) URANIUM-232	76.5				109	109							

Laboratory Control Sample (LCS)

(LCS) R4172999-4 02/03/25 19:11

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
URANIUM-234	5.03	4.10	81.5	80.0-120	
URANIUM-238	4.90	4.57	93.3	80.0-120	
(T) URANIUM-232			110		

L1819842-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1819842-01 01/29/25 23:10 • (MS) R4172999-2 01/29/25 23:10

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
URANIUM-234	20.1	7.18	24.7	87.4	1	75.0-125	
URANIUM-238	19.6	3.00	18.6	79.5	1	75.0-125	
(T) URANIUM-232		99.7		100			

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

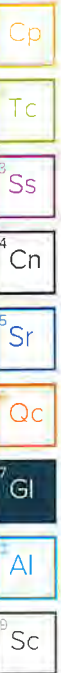
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity
Rec.	Recovery.
RER	Replicate Error Ratio.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected



ACCREDITATIONS & LOCATIONS

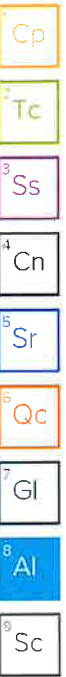
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Date

Name _____

Temperature

FD 19

SDN

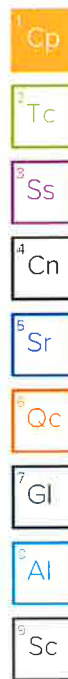
_____ #7

#7



ANALYTICAL REPORT

February 18, 2025



Energy Fuels Resources

Sample Delivery Group: L1827093
Samples Received: 02/14/2025
Project Number:
Description: Pinyon Plain Mine Aquifer Protection Permit

Report To: Kathy Weinel
225 Union Blvd
Suite 600
Lakewood, CO 80228

Entire Report Reviewed By:

Donna Eidson
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
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		⁸ Al
		⁹ Sc

SAMPLE SUMMARY

MW-02_02072025 L1827093-01 GW				Collected by Matt Germansen	Collected date/time 02/07/25 15:18	Received date/time 02/14/25 09:30	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location	Cp
Metals (ICP) by Method 6010D	WG2452795	1	02/18/25 17:01	02/18/25 20:28	MAP	Mt. Juliet, TN	²Tc ³Ss ⁴Cn ⁵Sr ⁵Qc ⁷Gl ⁹Al ⁹Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Donna Eidson
Project Manager

Sample Delivery Group (SDG) Narrative

Analysis was filtered in the laboratory.

Lab Sample ID

R4178030-3

Project Sample ID

Method

6010D

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

WG2452795

Metals (ICP) by Method 6010D

QUALITY CONTROL SUMMARY

L1827093-01

Method Blank (MB)

(MB) R4178030-1 02/18/25 19:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic, Dissolved	U	0.00783	0.0100	

Laboratory Control Sample (LCS)

(LCS) R4178030-2 02/18/25 19:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Dissolved	1.00	0.960	96.0	80.0-120	

L1826857-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1826857-18 02/18/25 19:31 • (MS) R4178030-4 02/18/25 19:34 • (MSD) R4178030-5 02/18/25 19:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic, Dissolved	1.00	U	0.954	0.963	95.4	96.3	1	75.0-125		0.983	20	

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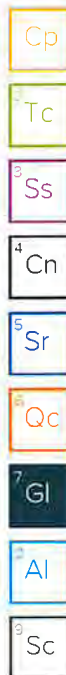
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Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
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Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



ACCREDITATIONS & LOCATIONS

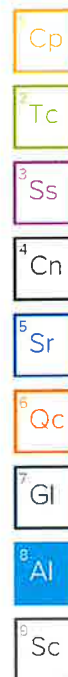
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Okiahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address:

Energy Fuels Resources

225 Union Blvd

Suite 600

Lakewood, CO 80228

Report to:

Kathy Weinel

Project Description:

Pinyon Plain Mine GW Sampling

Phone:

Collected by (print):

Ma H Germsen

Collected by (signature):

[Signature]

Immediately

Packed on ice

N Y

Sample ID

Comp/Grab

Matrix

Depth

Date

Time

Rush? (Lab MUST Be Notified)

Same Day Five Day

Next Day 5 Day (Rad Only)

Two Day 10 Day (Rad Only)

Three Day

Quote #

Date Results Needed

No. of

Chgs

Billing Information:

Accounts Payable

225 Union Blvd

Suite 600

Lakewood, CO 80228

Email To: KWeinel@energyfuels.com

Please Circle:

PT MT CT ET

Lab Project #

ENEFUELCO-PINYONMINE

Site/Facility ID #

Collected by (print):

Ma H Germsen

Collected by (signature):

[Signature]

Immediately

Packed on ice

N Y

Sample ID

Comp/Grab

Matrix

Depth

Date

Time

Rush? (Lab MUST Be Notified)

Same Day Five Day

Next Day 5 Day (Rad Only)

Two Day 10 Day (Rad Only)

Three Day

Quote #

Date Results Needed

No. of

Chgs

Analysis / Container / Preservation

Pres

Chk

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Please Circle:

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Lab Project #

ENEFUELCO-PINYONMINE

Site/Facility ID #

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Collected by (signature):

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Sample ID

Comp/Grab

Matrix

Depth

Date

Time

Rush? (Lab MUST Be Notified)

Same Day Five Day

Next Day 5 Day (Rad Only)

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Three Day

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Chk

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Please Circle:

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Lab Project #

ENEFUELCO-PINYONMINE

Site/Facility ID #



ANALYTICAL REPORT

March 10, 2025

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Energy Fuels Resources

Sample Delivery Group: L1828866
Samples Received: 02/21/2025
Project Number:
Description: Pinyon Plain Mine GW Sampling

Report To: Kathy Weinel
225 Union Blvd
Suite 600
Lakewood, CO 80228

Entire Report Reviewed By:

Donna Eidson
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

MW-03_02192025 L1828866-01 Non-Potable Water

Collected by William Cole
Collected date/time 02/19/25 15:23
Received date/time 02/21/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2459205	1	02/28/25 09:24	03/03/25 13:56	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2456918	1	02/24/25 12:19	03/06/25 15:21	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2457001	1	02/24/25 11:32	02/26/25 21:56	ALG	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2459205	1	02/28/25 09:24	03/03/25 13:56	RGT	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2455193	1	02/24/25 16:59	02/25/25 16:59	RGT	Mt. Juliet, TN

Cp

⁹⁹Tc

⁹⁰Sr

⁹⁰Y

⁹⁰Zr

⁹⁰Nb

⁹⁰Mo

⁹⁰Tc

⁹⁰Ru

⁹⁰Rh

⁹⁰Pd

⁹⁰Ag

⁹⁰Cd

⁹⁰In

⁹⁰Sn

⁹⁰Sb

⁹⁰Te

⁹⁰I

⁹⁰Xe

⁹⁰Bi

⁹⁰Po

⁹⁰At

⁹⁰Rn

⁹⁰Ac

⁹⁰Th

⁹⁰Pa

⁹⁰U

⁹⁰Np

⁹⁰Pu

⁹⁰Am

⁹⁰Cm

⁹⁰Bk

⁹⁰Cf

⁹⁰Es

⁹⁰Fm

⁹⁰Mn

⁹⁰Fe

⁹⁰Co

⁹⁰Ni

⁹⁰Cu

⁹⁰Zn

⁹⁰Ga

⁹⁰Ge

⁹⁰As

⁹⁰Se

⁹⁰Br

⁹⁰Kr

⁹⁰Ar

⁹⁰Cl

⁹⁰S

⁹⁰P

⁹⁰Si

⁹⁰Al

⁹⁰Mg

⁹⁰Na

⁹⁰Ne

⁹⁰F

⁹⁰O

⁹⁰N

⁹⁰C

⁹⁰B

⁹⁰Be

⁹⁰Li

⁹⁰He

⁹⁰Ne

⁹⁰Ar

⁹⁰Kr

⁹⁰Xe

⁹⁰Rn

⁹⁰Ac

⁹⁰Th

⁹⁰Pa

⁹⁰U

⁹⁰Np

⁹⁰Pu

⁹⁰Am

⁹⁰Cm

⁹⁰Bk

⁹⁰Cf

⁹⁰Es

⁹⁰Fm

⁹⁰Mn

⁹⁰Fe

⁹⁰Co

⁹⁰Ni

⁹⁰Cu

⁹⁰Zn

⁹⁰Ga

⁹⁰Ge

⁹⁰As

⁹⁰Se

⁹⁰Br

⁹⁰Kr

⁹⁰Ar

⁹⁰Cl

⁹⁰S

⁹⁰P

⁹⁰Si

⁹⁰Al

⁹⁰Mg

⁹⁰Na

⁹⁰Ne

⁹⁰F

⁹⁰O

⁹⁰N

⁹⁰C

⁹⁰B

⁹⁰Be

⁹⁰Li

⁹⁰He

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Donna Eidson
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4182598-1 03/03/25 13:56

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
GROSS ALPHA	0.550	J	0.479	0.615	0.250
GROSS BETA	0.277	U	0.981	1.31	0.622

L1828571-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1828571-01 03/03/25 13:56 • (DUP) R4182598-3 03/03/25 13:56

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
GROSS ALPHA	1.20	0.750	0.972	0.403	0.559	0.613	0.248	7.89	0.0973		20	3
GROSS BETA	1.58	1.09	1.37	0.651	1.26	1.61	0.773	2.74	0.0264		20	3

Laboratory Control Sample (LCS)

(LCS) R4182598-2 03/03/25 13:56

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
GROSS ALPHA	15.0	13.0	86.3	80.0-120	
GROSS BETA	39.6	44.0	111	80.0-120	

L1830520-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1830520-01 03/04/25 01:02 • (MS) R4182598-6 03/04/25 01:02 • (MSD) R4182598-7 03/04/25 01:02

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
GROSS ALPHA	23.1	9.38	37.5	35.9	1	70.0-130			4.33		20
GROSS BETA	60.9	5.28	72.0	69.2	1	70.0-130			3.97		20

Method Blank (MB)

(MB) R4183773-1 03/06/25 04:35

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226 (T) Barium	0.000 106	<u>U</u>	0.0442 106	0.108	0.0372

L1825259-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1825259-01 03/06/25 06:35 • (DUP) R4183773-5 03/06/25 05:35

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226 (T) Barium	0.000 107	0.139	0.300	0.117	0.0450 110	0.197 110	0.431	0.149	200	0.187	<u>U</u>	20	3

Laboratory Control Sample (LCS)

(LCS) R4183773-2 03/06/25 05:35

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226 (T) Barium	5.00	4.98	99.6 109	80.0-120	

L1827011-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827011-01 03/06/25 15:21 • (MS) R4183773-3 03/06/25 05:35 • (MSD) R4183773-4 03/06/25 05:35

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226 (T) Barium	20.0	0.201 99.3	19.3	23.3	95.6 101	115 108	1	75.0-125			18.5		20

Method Blank (MB)

(MB) R4181467-1 02/26/25 21:56

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.578		0.200	0.340	0.179
(T) Barium	127		127		
(T) Yttrium	73.9		73.9		

L1828216-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1828216-06 02/26/25 21:56 • (DUP) R4181467-5 02/26/25 21:56

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	5.20	0.394	0.538	0.285	6.29	0.506	0.740	0.387	19.1	1.71		20	3
(T) Barium	118				117	117							
(T) Yttrium	87.0				83.2	83.2							

Laboratory Control Sample (LCS)

(LCS) R4181467-2 02/26/25 21:56

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.50	110	80.0-120	
(T) Barium			131		
(T) Yttrium			109		

L1828346-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828346-04 02/26/25 21:56 • (MS) R4181467-3 02/26/25 21:56 • (MSD) R4181467-4 02/26/25 21:56

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	16.7	0.930	16.8	20.5	95.2	117	1	70.0-130			19.5		20
(T) Barium		119			126	121							
(T) Yttrium		86.0			82.4	82.0							

Method Blank (MB)

(MB) R4182481-1 02/25/25 16:59

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
URANIUM-234	0.0791	J	0.0725	0.0914	0.0310
URANIUM-235	0.0705	U	0.0597	0.111	0.0358
URANIUM-238	0.0554	J	0.0625	0.0849	0.0277
(T) URANIUM-232	98.2		98.2		

L1828866-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1828866-01 02/25/25 16:59 • (DUP) R4182481-5 02/25/25 16:59

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
URANIUM-234	3.25	0.834	0.470	0.159	6.41	0.952	0.381	0.138	65.3	2.49		20	3
URANIUM-235	0.297	0.418	0.609	0.202	0.690	0.407	0.403	0.131	79.5	0.672		20	3
URANIUM-238	3.09	0.805	0.424	0.136	3.56	0.706	0.292	0.0937	14.1	0.438		20	3
(T) URANIUM-232	83.2				95.0	95.0							

Laboratory Control Sample (LCS)

(LCS) R4182481-2 02/25/25 16:59

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
URANIUM-234	5.03	5.07	101	80.0-120	
URANIUM-238	4.90	5.28	108	80.0-120	
(T) URANIUM-232			78.3		

L1825127-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1825127-16 02/25/25 16:59 • (MS) R4182481-3 02/25/25 16:59 • (MSD) R4182481-4 02/25/25 16:59

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
URANIUM-234	20.1	1.54	24.2	24.3	1	75.0-125			0.536		20
URANIUM-238	19.6	0.356	22.1	23.1	1	75.0-125			4.47		20
(T) URANIUM-232		97.7		80.7							

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.

Cp

Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCREDITATIONS & LOCATIONS

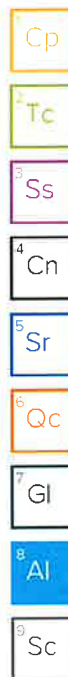
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

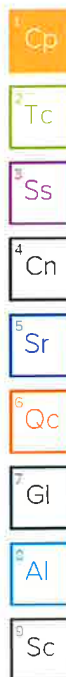
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.





ANALYTICAL REPORT

January 31, 2025



Energy Fuels Resources

Sample Delivery Group: L1819843
Samples Received: 01/24/2025
Project Number:
Description: PINYON PLAIN SUMP DISCHARGE

Report To: Kathy Weinel
225 Union Blvd
Suite 600
Lakewood, CO 80228

Entire Report Reviewed By:

Donna Eidson
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

SUMP-1470_01222025 L1819843-01 GW

Collected by
K. Manning

Collected date/time
01/22/25 11:34

Received date/time
01/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2439330	1	01/24/25 14:36	01/27/25 10:19	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2439583	1	01/26/25 13:07	01/26/25 13:07	BJM	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2440221	10	01/27/25 04:44	01/27/25 04:44	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2439548	1	01/24/25 19:45	01/24/25 19:45	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2439587	1	01/24/25 21:00	01/24/25 21:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2438671	10	01/25/25 05:36	01/25/25 05:36	AJC	Mt. Juliet, TN
Mercury by Method 7470A	WG2439726	1	01/27/25 22:46	01/28/25 22:06	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2439336	1	01/24/25 22:37	01/25/25 15:36	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2440039	1	01/26/25 12:47	01/26/25 19:02	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2440039	10	01/26/25 12:47	01/26/25 20:27	LD	Mt. Juliet, TN

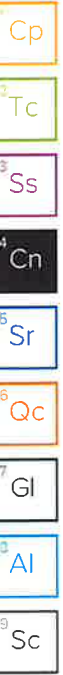


CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Donna Eidson
Project Manager



Method Blank (MB)

(MB) R4171425-1 01/27/25 10:19					
MB Result		MB Qualifier		MB MDL	MB RDL
mg/l				mg/l	
Analyte					
Dissolved Solids	U	J	10.0	10.0	10.0

L1819680-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819680-01 01/27/25 10:19 • (DUP) R4171425-3 01/27/25 10:19					
Original Result		DUP Result	Dilution	DUP RPD	DUP RPD Limits
mg/l		mg/l		%	%
Analyte					
Dissolved Solids	1130	1130	1	0.000	10

L1819843-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819843-01 01/27/25 10:19 • (DUP) R4171425-4 01/27/25 10:19					
Original Result		DUP Result	Dilution	DUP RPD	DUP RPD Limits
mg/l		mg/l		%	%
Analyte					
Dissolved Solids	909	899	1	1.18	10

Laboratory Control Sample (LCS)

(LCS) R4171425-2 01/27/25 10:19					
Spike Amount		LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
mg/l		mg/l	%	%	
Analyte					
Dissolved Solids	8800	8730	99.2	85.0-115	

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

WG2439583

Wet Chemistry by Method 2320 B-2011

QUALITY CONTROL SUMMARY

L1819843-01

Method Blank (MB)

(MB) R4170444-2 01/26/25 10:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity,Carbonate	U		4.75	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1819840-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819840-01 01/26/25 10:29 • (DUP) R4170444-3 01/26/25 10:34

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Carbonate	U	U	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1820107-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1820107-01 01/26/25 12:33 • (DUP) R4170444-4 01/26/25 12:38

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Carbonate	U	U	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5



Method Blank (MB)

(MB) R4170823-1 01/27/25 03:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U	0.0435	0.0435	0.200

Laboratory Control Sample (LCS)

(LCS) R4170823-2 01/27/25 03:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.60	104	90.0-110	

L1819514-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819514-01 01/27/25 03:59 • (MS) R4170823-3 01/27/25 04:01 • (MSD) R4170823-4 01/27/25 04:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.234	3.02	3.04	112	112	1	90.0-110	J5	J5	0.396	20

L1819626-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819626-01 01/27/25 04:07 • (MS) R4170823-5 01/27/25 04:10 • (MSD) R4170823-6 01/27/25 04:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.941	3.71	3.88	111	118	1	90.0-110	J5	J5	4.66	20

WG2439548

Wet Chemistry by Method 9040C

QUALITY CONTROL SUMMARY

L1819843-01

L1819614-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819614-01 01/24/25 19:45 • (DUP) R4170246-2 01/24/25 19:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	6.45	6.46	1	0.155		1

Sample Narrative:

OS: 6.45 at 19.3C
DUP: 6.46 at 19.3C

L1819887-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819887-01 01/24/25 19:45 • (DUP) R4170246-3 01/24/25 19:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.00	7.99	1	0.125		1

Sample Narrative:

OS: 8 at 18.8C
DUP: 7.99 at 18.9C

Laboratory Control Sample (LCS)

(LCS) R4170246-1 01/24/25 19:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:

LCS: 10.01 at 20.5C



Method Blank (MB)

(MB) R4170245-1 01/24/25 21:00

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:
BLANK: at 25C

L1819843-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819843-01 01/24/25 21:00 • (DUP) R4170245-3 01/24/25 21:00

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1350	1330	1	1.04		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4170245-2 01/24/25 21:00

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1010	89.5	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4170618-1 01/24/25 21:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	U	0.0761	0.150	
Sulfate	U	0.637	5.00	

L1819586-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819586-01 01/24/25 22:50 • (DUP) R4170618-3 01/24/25 23:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.489	0.464	1	5.31		15
Sulfate	8.95	8.74	1	2.39		15

L1819586-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1819586-02 01/24/25 23:58 • (DUP) R4170618-6 01/25/25 00:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.223	0.194	1	13.8		15
Sulfate	9.68	9.51	1	1.69		15

Laboratory Control Sample (LCS)

(LCS) R4170618-2 01/24/25 21:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	8.00	8.13	102	80.0-120	
Sulfate	40.0	39.5	98.8	80.0-120	

L1819586-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819586-01 01/24/25 22:50 • (MS) R4170618-4 01/24/25 23:24 • (MSD) R4170618-5 01/24/25 23:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	0.489	8.59	8.49	1	80.0-120			1.20	15
Sulfate	40.0	8.95	47.4	46.5	1	80.0-120			1.92	15

WG2438671

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

L1819843-01

L1819586-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1819586-02 01/24/25 23:58 • (MS) R4170618-7 01/25/25 00:32

Analyte	Spike Amount		Original Result		MS Result		MS Rec.	Dilution	Rec. Limits	MS Qualifier
	mg/l		mg/l		mg/l	%				
Fluoride	8.00		0.223		8.25	100	100	1	80.0-120	
Sulfate	40.0		9.68		47.3	94.0	94.0	1	80.0-120	

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

WG2439726

Mercury by Method 7470A

QUALITY CONTROL SUMMARY

L1819843-01

Method Blank (MB)

(MB) R4171267-1 01/28/25 21:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4171267-2 01/28/25 21:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00311	104	80.0-120	

L1820019-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1820019-04 01/28/25 21:37 • (MS) R4171267-4 01/28/25 21:47 • (MSD) R4171267-5 01/28/25 21:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	0.000169	0.00221	0.00225	68.1	69.3	1	75.0-125	J6	J6	1.64	20

Method Blank (MB)

(MB) R4170365-1 01/25/25 14:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.00783	0.0100
Barium	0.00108	J	0.000773	0.00500
Beryllium	U		0.000501	0.00200
Cadmium	U		0.000538	0.00200
Calcium	U		0.153	1.00
Chromium	U		0.00151	0.0100
Copper	U		0.00226	0.0100
Iron	U		0.0205	0.100
Lead	U		0.00243	0.00600
Magnesium	U		0.101	1.00
Manganese	U		0.00101	0.0100
Nickel	U		0.00196	0.0100
Potassium	U		0.624	2.00
Selenium	U		0.00616	0.0100
Sodium	U		0.444	3.00

Laboratory Control Sample (LCS)

(LCS) R4170365-2 01/25/25 15:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %
Arsenic	1.00	0.916	91.6	80.0-120
Barium	1.00	0.958	95.8	80.0-120
Beryllium	1.00	0.937	93.7	80.0-120
Cadmium	1.00	0.918	91.8	80.0-120
Calcium	10.0	10.1	101	80.0-120
Chromium	1.00	0.993	99.3	80.0-120
Copper	1.00	0.919	91.9	80.0-120
Iron	10.0	9.58	95.8	80.0-120
Lead	1.00	0.970	97.0	80.0-120
Magnesium	10.0	9.63	96.3	80.0-120
Manganese	1.00	1.03	103	80.0-120
Nickel	1.00	0.972	97.2	80.0-120
Potassium	10.0	9.41	94.1	80.0-120
Selenium	1.00	0.977	97.7	80.0-120
Sodium	10.0	10.2	102	80.0-120

L1819797-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819797-01 01/25/25 15:04 • (MS) R4170365-4 01/25/25 15:10 • (MSD) R4170365-5 01/25/25 15:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	%	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l				%			%	%
Arsenic	1.00	U	0.928	0.919	92.8	91.9	1	75.0-125			0.993	20
Barium	1.00	0.0111	0.963	0.946	95.1	93.5	1	75.0-125			1.73	20
Beryllium	1.00	0.000563	0.945	0.935	94.4	93.4	1	75.0-125			1.04	20
Cadmium	1.00	U	0.925	0.911	92.5	91.1	1	75.0-125			1.54	20
Calcium	10.0	45.8	55.4	55.7	95.2	98.9	1	75.0-125			0.664	20
Chromium	1.00	U	0.983	0.970	98.3	97.0	1	75.0-125			1.39	20
Copper	1.00	U	0.926	0.912	92.6	91.2	1	75.0-125			1.57	20
Iron	10.0	0.160	9.68	9.61	95.2	94.4	1	75.0-125			0.801	20
Lead	1.00	0.00674	0.973	0.953	96.6	94.6	1	75.0-125			2.13	20
Magnesium	10.0	30.5	39.6	39.8	91.0	93.2	1	75.0-125			0.557	20
Manganese	1.00	0.0478	1.06	1.05	102	99.8	1	75.0-125			1.72	20
Nickel	1.00	0.00278	0.975	0.955	97.2	95.2	1	75.0-125			2.07	20
Potassium	10.0	1.70	11.1	11.1	94.1	93.8	1	75.0-125			0.312	20
Selenium	1.00	U	0.997	0.971	99.7	97.1	1	75.0-125			2.60	20
Sodium	10.0	20.3	28.0	28.4	77.1	81.1	1	75.0-125			1.41	20

Method Blank (MB)

(MB) R4170483-1 01/26/25 18:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony	U		0.000310	0.00400
Thallium	U		0.000130	0.00200
Uranium	U		0.000130	0.00100
Vanadium	U		0.000520	0.00500
Zinc	U		0.00400	0.0250

Laboratory Control Sample (LCS)

(LCS) R4170483-2 01/26/25 18:42

Analyte	Spike Amount mg/l	LCS Result		Rec. Limits	
		mg/l	%	mg/l	%
Antimony	0.0500	0.0489	97.8	80.0-120	
Thallium	0.0500	0.0484	96.8	80.0-120	
Uranium	0.0500	0.0507	101	80.0-120	
Vanadium	0.0500	0.0486	97.2	80.0-120	
Zinc	0.0500	0.0489	97.9	80.0-120	

L1819918-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819918-01 01/26/25 18:46 • (MS) R4170483-4 01/26/25 18:52 • (MSD) R4170483-5 01/26/25 18:55

Analyte	Spike Amount mg/l	Original Result		MS Result		MSD Result		Dilution	Rec. Limits		MS Qualifier		MSD Qualifier		RPD		RPD Limits	
		mg/l	%	mg/l	%	mg/l	%		%	%	%	%	%	%	%	%	%	%
Antimony	0.0500	U		0.0497	99.5	0.0483	96.6	1	75.0-125						2.95	20		
Thallium	0.0500	U		0.0480	95.9	0.0473	94.6	1	75.0-125						1.40	20		
Uranium	0.0500	0.000173		0.0502	100	0.0489	97.5	1	75.0-125						2.58	20		
Vanadium	0.0500	0.000798		0.0510	100	0.0507	99.8	1	75.0-125						0.520	20		
Zinc	0.0500	0.00473		0.0533	97.1	0.0528	96.2	1	75.0-125						0.792	20		

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

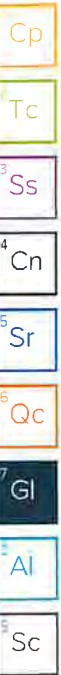
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS

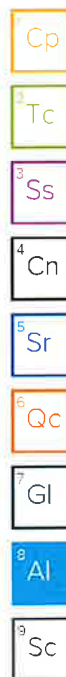
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



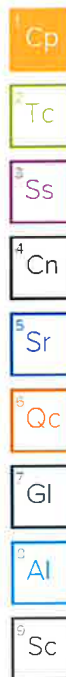
Company Name/Address:		Billing Information:		Analysis / Container / Preservative		Chain of Custody	
Energy Fuels Resources 225 Union Blvd Suite 600 Lakewood, CO 80228		Accounts Payable 225 Union Blvd Suite 600 Lakewood, CO 80228					
Report to: Kathy Weinel		Email To: KWeinel@energyfuels.com, M.Burden@Higgins.com					
Project Description: PINYON PLAIN SUMP DISCHARGE		City/State Collected: Tusayan, AZ					
Phone: 520-293-1505		Lab Project # ENEFUELCO-PINYONMINE					
Collected by (print): K. Manning		Site/Facility ID #					
Collected by (signature): <i>[Signature]</i>		Quote #					
Immediately Packed on Ice N Y ✓		Rush? (Lab MUST Be Notified) Same Day _____ Five Day _____ Next Day _____ 5 Day (Rad Only) _____ Two Day _____ 10 Day (Rad Only) _____ Three Day _____		No. of Cntrs	Date		
Sample ID	Comp/Grab	Matrix *	Depth	Date			
Sump-1470_01222025	Grab	GW	—	1/22/25	1134	4	
PreWTP_		GW				4	
PostWTPTank_		GW				4	
PostWTP_		GW				4	
		GW				4	
		GW				4	
Sump-1470_01222025	Grab	NPW	—	1/22/25	1134	3	
PreWTP_		NPW				3	
PostWTPTank_		NPW				3	
PostWTP_		NPW				3	
Remarks: Please send 6 bottle orders for temp. T215492				pH	Temp		
* Matrix: SS - Soil F - Filter GW - Groundwater B - Bioassay WW - Wastewater DW - Drinking Water OT - Other	Samples returned via: UPS FedEx Courier		Tracking #	Trip Blank Received: Yes/No HCL/MoOH TBR	Bottles Received:		
Relinquished by: (Signature)	Date: 1/22/25	Time: 1615	Received by: (Signature)				
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)				
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)				



ANALYTICAL REPORT

February 24, 2025

Revised Report



Energy Fuels Resources

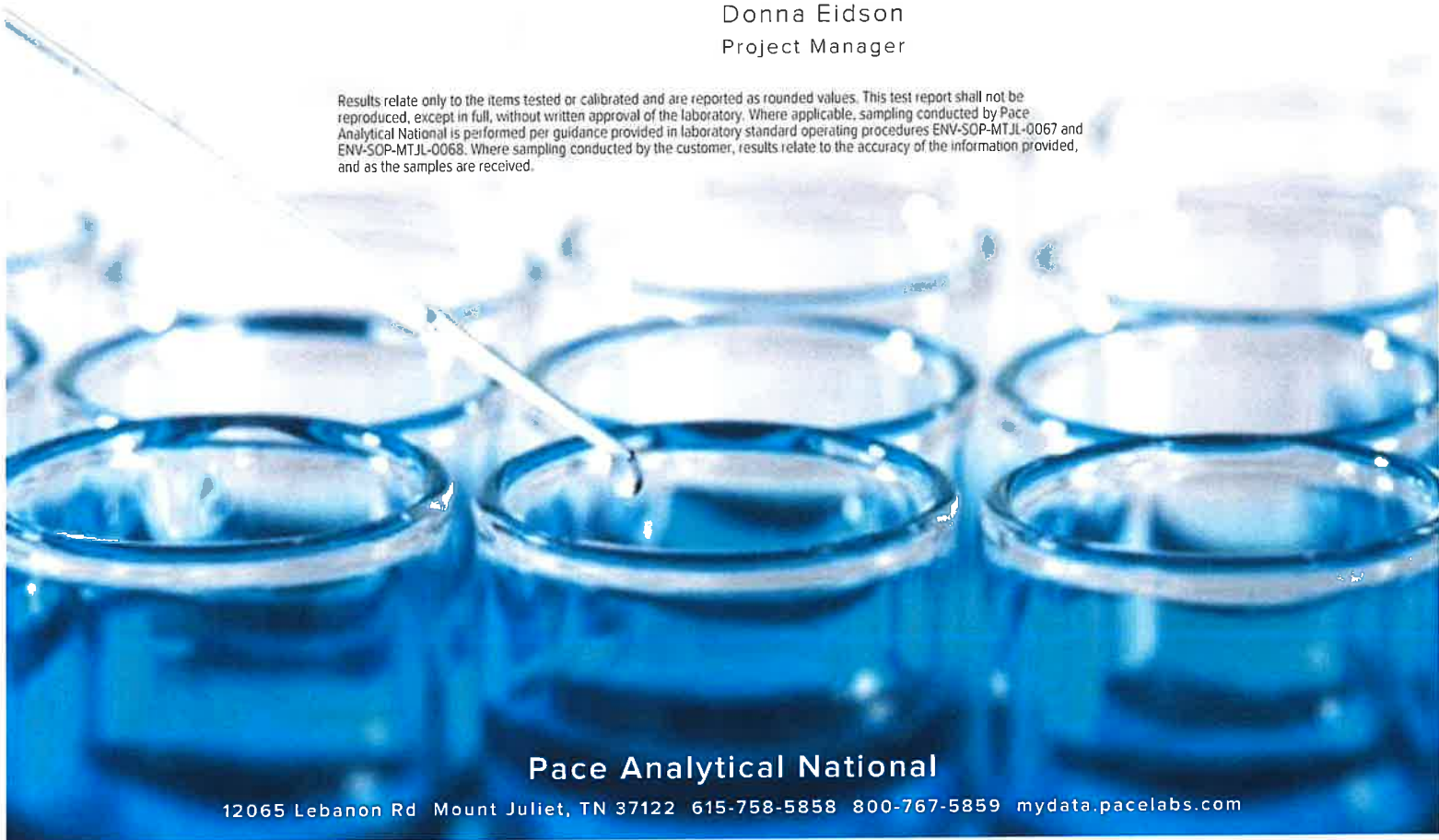
Sample Delivery Group: L1819845
Samples Received: 01/24/2025
Project Number:
Description: PINYON PLAIN SUMP DISCHARGE

Report To: Kathy Weinel
225 Union Blvd
Suite 600
Lakewood, CO 80228

Entire Report Reviewed By:

Donna Eidson
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

SUMP-1470_01222025 L1819845-01 Non-Potable Water

Collected by
K. Manning

Collected date/time
01/22/25 11:34

Received date/time
01/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2441013	1	01/28/25 11:15	02/01/25 00:34	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2441733	1	01/29/25 09:30	02/14/25 21:25	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2441146	1	01/30/25 10:21	02/05/25 22:14	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2441013	1	01/28/25 11:15	02/01/25 00:34	ZRG	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2440675	1	01/29/25 06:30	01/29/25 23:30	ZRG	Mt. Juliet, TN

Cp

⁹⁹Tc

⁹⁰Ss

⁴⁴Cn

⁸⁸Sr

⁶⁶Qc

⁷⁷Gl

⁴⁴Al

⁸⁸Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Donna Eidson
Project Manager

Report Revision History

Level II Report - Version 1: 02/18/25 10:44

Project Narrative

An error was found and corrected in Gross Alpha/Beta WG2441013. The following amended report includes corrected results for L1819845-01.

Cp

Tc

Ss

Cn

Sr

Qc

GI

AI

Sc

Method Blank (MB)

(MB) R4173369-1 01/30/25 19:50

Analyte	MB Result		MB Qualifier		MB 2 sigma CE		MB MDA		MB Lc	
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l	
GROSS ALPHA	0.858		0.517		0.605		0.247			

L1819845-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819845-01 02/01/25 00:34 • (DUP) R4173369-5 02/01/25 00:34

Analyte	Original Result		Original 2 sigma CE		Original MDA		Original Lc		DUP Result		DUP 2 sigma CE		DUP MDA		DUP Lc		DUP RPD		DUP RER		DUP Qualifier		DUP RPD Limits		DUP RER Limit	
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l		+ / -		pCi/l		pCi/l		%		%		%		%		%	
GROSS ALPHA	6660		80.4		3.40		1.32		6860		82.1		3.85		1.54		2.94		1.73				20		3	

Laboratory Control Sample (LCS)

(LCS) R4173369-2 01/30/25 19:50

Analyte	Spike Amount		LCS Result		LCS Rec.		Rec. Limits		LCS Qualifier	
	pCi/l		pCi/l		%		%			
GROSS ALPHA	15.0		13.7		91.2		80.0-120			

L1819760-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819760-07 01/30/25 23:47 • (MS) R4173369-3 01/30/25 19:50 • (MSD) R4173369-4 01/30/25 19:50

Analyte	Spike Amount		Original Result		MS Result		MSD Result		MS Rec.		MSD Rec.		Dilution		Rec. Limits		<u>MS Qualifier</u>		<u>MSD Qualifier</u>		RPD		MS RER		RPD Limits	
	pCi/l		pCi/l		pCi/l		pCi/l		%		%		1		%		%		%		%		%		%	
GROSS ALPHA	15.0		0.616		14.4		14.3		91.7		91.1				70.0-130				0.628					20		

Method Blank (MB)

(MB) R4175765-1 02/03/25 20:03

Analyte	MB Result		MB Qualifier		MB 2 sigma CE		MB MDA		MB Lc	
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l	
Radium-226 (T) Barium	0.0151	109	0.0890	109	0.186		0.0706			

L1818088-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1818088-01 02/03/25 21:04 • (DUP) R4175765-5 02/03/25 21:04

Analyte	Original Result		Original 2 sigma CE		Original MDA		Original Lc		DUP Result		DUP 2 sigma CE		DUP MDA		DUP Lc		DUP RPD		DUP RER		DUP Qualifier		DUP RPD Limits		DUP RER Limit	
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l		+ / -		pCi/l		pCi/l		%		0.000		0.000		%		3	
Radium-226 (T) Barium	0.000	106	0.119	107	0.292	107	0.100	107	0.000	107	0.334	107	0.741	107	0.281	107	0.000	107	0.000	107	0.000	107	20	107		107

Laboratory Control Sample (LCS)

(LCS) R4175765-2 02/03/25 20:03

Analyte	Spike Amount		LCS Result		LCS Rec.		Rec. Limits		LCS Qualifier	
	pCi/l		pCi/l		%		%			
Radium-226 (T) Barium	5.00	112	4.80	112	96.1	112	80.0-120			

L1820688-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1820688-02 02/04/25 01:05 • (MS) R4175765-3 02/03/25 20:03 • (MSD) R4175765-4 02/03/25 20:03

Analyte	Spike Amount		Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	MS RER	RPD Limits
	pCi/l		pCi/l	pCi/l	pCi/l	%	%		%			%		%
Radium-226	20.0		0.299	17.2	19.6	84.7	96.3	1	75.0-125			12.6		20
(7) Barium		108				114	110							

Method Blank (MB)

(MB) R4176524-1 02/04/25 17:04

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228 (f) Barium	0.0392	U	0.179	0.348	0.182
(f) Yttrium	95.1		95.1		
	85.3		85.3		

L1820688-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1820688-10 02/05/25 22:14 • (DUP) R4176524-5 02/04/25 17:04

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228 (f) Barium	0.374	0.533	1.03	0.537	0.575	1.12	0.586	200	0.723	U	20	3
(f) Yttrium	98.1				106							
	61.2				93.1							

Laboratory Control Sample (LCS)

(LCS) R4176524-2 02/04/25 17:04

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228 (f) Barium	5.00	5.76	115	80.0-120	
(f) Yttrium		112			
		86.5			

L1818469-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1818469-11 02/05/25 17:17 • (MS) R4176524-3 02/04/25 17:04 • (MSD) R4176524-4 02/04/25 17:04

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228 (f) Barium	10.0	0.111	11.4	10.8	113	107	1	70.0-130			5.41		20
(f) Yttrium		105			107	92.5							
		62.5			83.4	77.8							

Method Blank (MB)

(MB) R4172999-1 01/29/25 23:10

Analyte	MB Result		MB Qualifier		MB 2 sigma CE		MB MDA		MB Lc	
	pCi/l		+ / -	pCi/l	+ / -	pCi/l	pCi/l	pCi/l	pCi/l	
URANIUM-234	0.0622		0.0461	0.0607	0.0237					
URANIUM-235	-0.00312		0.0381	0.0747	0.0284					
URANIUM-238	0.00888		0.0302	0.0533	0.0201					
(T) URANIUM-232	88.0		88.0							

L1819842-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1819842-05 01/30/25 09:10 • (DUP) R4172999-3 01/29/25 23:10

Analyte	Original Result		Original 2 sigma CE		Original MDA		Original Lc		DUP Result		DUP 2 sigma CE		DUP MDA		DUP Lc		DUP RPD		DUP RER		<u>DUP Qualifier</u>		DUP RPD Limits		DUP RER Limit		
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l		+ / -		pCi/l		pCi/l		%		%		%		%				
URANIUM-234	9.87		1.41	0.462	0.155	7.43	0.115	28.3	1.39		1.06	0.343	0.115	20													3
URANIUM-235	0.524		0.476	0.589	0.192	0.493	0.143	6.19	0.0516		0.382	0.438	0.143	20													3
URANIUM-238	4.50		0.961	0.414	0.131	4.13	0.107	8.48	0.294		0.794	0.326	0.107	20													3
(T) URANIUM-232	76.5					109					109																

Laboratory Control Sample (LCS)

(LCS) R4172999-4 02/03/25 19:11

Analyte	Spike Amount		LCS Result		LCS Rec.		Rec. Limits		LCS Qualifier	
	pCi/l		pCi/l		%		%			
URANIUM-234	5.03		4.10	81.5	80.0-120					
URANIUM-238	4.90		4.57	93.3	80.0-120					
(T) URANIUM-232				110						

L1819842-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1819842-01 01/29/25 23:10 • (MS) R4172999-2 01/29/25 23:10

Analyte	Spike Amount		Original Result		MS Result		MS Rec.		Dilution		Rec. Limits		MS Qualifier	
	pCi/l		pCi/l		pCi/l		%				%			
URANIUM-234	20.1		7.18	24.7	87.4	1	75.0-125							
URANIUM-238	19.6		3.00	18.6	79.5	1	75.0-125							
(T) URANIUM-232			99.7		100									

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

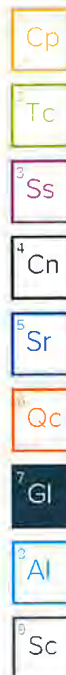
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity
Rec.	Recovery.
RER	Replicate Error Ratio.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
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Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

C2	Tracer recovery limits have been exceeded; values are outside lower control limits.
U	Below Detectable Limits: Indicates that the analyte was not detected.



ACCREDITATIONS & LOCATIONS

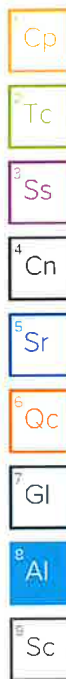
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Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: Energy Fuels Resources 225 Union Blvd Suite 600 Lakewood, CO 80228 Report to: Kathy Weinel		Billing Information: Accounts Payable 225 Union Blvd Suite 600 Lakewood, CO 80228 Email To: KWeinel@energyfuels.com M. B. ... H. ... Co.		Chain of Custody Page 1 of 1  PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the terms and conditions found at: https://info.pace-us.com/hubspot-standard-terms.pdf	
Project Description: PINYON PLAIN SUMP DISCHARGE Phone: 520-293-1505 Collected by (print): K. Manning Collected by (signature): 		City/State Collected: TUSCON, AZ Please Circle: PT (M) CT ET Lab Project # ENFUELCO-PINYONMINE Site/Facility ID # P.O. # Quote # Date Results Needed Same Day _____ Five Day _____ Next Day _____ 5 Day (Rad Only) _____ Two Day _____ 10 Day (Rad Only) _____ Three Day _____ Rush? (Lab MUST Be Notified) Same Day _____ Five Day _____ Next Day _____ 5 Day (Rad Only) _____ Two Day _____ 10 Day (Rad Only) _____ Three Day _____ Immediately _____ Packed on Ice N _____ Y _____		SDG # 61819845 F025 Actnum: ENFUELCO Template: T215492 Prelogin: P1054332 PM: 732 - Donna Eldson PB: Shipped Via: FedEx Ground Remarks: Sample # (lab only)	
Sample ID Sump-1470_01222025 PreWTP_ PostWTPTank_ PostWTP_ Sump-1470_01222025 PreWTP_ PostWTPTank_ PostWTP_		Comp/Grab Grab GW GW GW GW GW NPW NPW NPW NPW		Depth --- --- --- --- --- --- --- --- --- ---	
Date 1/22/25 --- --- --- --- --- 1/22/25 --- --- --- ---		Time 1134 --- --- --- --- --- 1134 --- --- --- ---		Confs 4 4 4 4 4 4 4 3 3 3 3	
Analysis / Container / Preservative ALK, FL, PH, COND, SULF 125mHDPF-NOPres ASICP, BAICP, BEICP, CA 250mHDPF-HNO3 GROSS ALPHA, ADJ 500mHDPF-Add HNO3 NO2NO3 250mHDPF-H2SO4 RA-226-903.0, U-150 1L-HDPF-Add HNO3 RA-228 1L-HDPF-Add HNO3 RA-228 1L-HDPF-Add HNO3 TDS 1L-HDPF-NOPres		Pres Chk C2 C2 C2 C2 C2 C2 C2 C2 C2 C2 C2		Remarks: pH _____ Temp _____ Flow _____ Other _____ Please send 6 bottle orders for temp. T215492 -01	
Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Waste Water DW - Drinking Water OT - Other _____		Samples returned via: UPS _____ FedEx _____ Courier _____		Tracking # ---	
Relinquished by: (Signature)  Date: 1/22/25 Time: 1615		Received by: (Signature) _____ Date: _____ Time: _____		Trip Blank Received: Yes/No HCL/MeOH TBR Bottles Received: 7 Date: 01-24-25 Time: 1000	
Relinquished by: (Signature) _____ Date: _____ Time: _____		Received by: (Signature) _____ Date: _____ Time: _____		Hold: _____ Condition: NCF / OK	



ANALYTICAL REPORT

January 31, 2025

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Energy Fuels Resources

Sample Delivery Group: L1819840
Samples Received: 01/24/2025
Project Number:
Description: Pinyon Plain Mine GW Sampling

Report To: Kathy Weinel
225 Union Blvd
Suite 600
Lakewood, CO 80228

Entire Report Reviewed By:

Donna Eidson
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJIL-0067 and ENV-SOP-MTJIL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

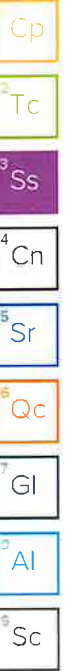
MW-01-01202025 L1819840-01 GW

Collected by
K. Manning

Collected date/time
01/20/25 16:26

Received date/time
01/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2439330	1	01/24/25 14:36	01/27/25 10:19	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2439583	1	01/26/25 10:29	01/26/25 10:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2440221	1	01/27/25 04:33	01/27/25 04:33	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2439548	1	01/24/25 19:45	01/24/25 19:45	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2439587	1	01/24/25 21:00	01/24/25 21:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2438671	1	01/25/25 02:30	01/25/25 02:30	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2438671	10	01/25/25 02:47	01/25/25 02:47	AJC	Mt. Juliet, TN
Mercury by Method 7470A	WG2440224	1	01/29/25 13:48	01/30/25 12:19	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2439353	1	01/24/25 22:52	01/25/25 19:20	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2439338	1	01/24/25 17:08	01/24/25 20:36	UNP	Mt. Juliet, TN



MW-02-01222025 L1819840-02 GW

Collected by
K. Manning

Collected date/time
01/22/25 14:11

Received date/time
01/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2439330	1	01/24/25 14:36	01/27/25 10:19	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2439583	1	01/26/25 11:03	01/26/25 11:03	BJM	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2440221	1	01/27/25 04:36	01/27/25 04:36	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2439548	1	01/24/25 19:45	01/24/25 19:45	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2439587	1	01/24/25 21:00	01/24/25 21:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2438671	1	01/25/25 03:37	01/25/25 03:37	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2438671	5	01/25/25 03:54	01/25/25 03:54	AJC	Mt. Juliet, TN
Mercury by Method 7470A	WG2440224	1	01/29/25 13:48	01/30/25 12:45	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2439353	1	01/24/25 22:52	01/25/25 19:22	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2439338	1	01/24/25 17:08	01/24/25 21:19	UNP	Mt. Juliet, TN

MW-03-01212025 L1819840-03 GW

Collected by
K. Manning

Collected date/time
01/21/25 15:36

Received date/time
01/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2439330	1	01/24/25 14:36	01/27/25 10:19	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2439583	1	01/26/25 11:08	01/26/25 11:08	BJM	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2440221	1	01/27/25 04:38	01/27/25 04:38	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2439548	1	01/24/25 19:45	01/24/25 19:45	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2439587	1	01/24/25 21:00	01/24/25 21:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2438671	10	01/25/25 04:11	01/25/25 04:11	AJC	Mt. Juliet, TN
Mercury by Method 7470A	WG2440224	1	01/29/25 13:48	01/30/25 12:47	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2439353	1	01/24/25 22:52	01/25/25 19:24	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2439338	1	01/24/25 17:08	01/24/25 21:23	UNP	Mt. Juliet, TN

MW-65-01202025 L1819840-04 GW

Collected by
K. Manning

Collected date/time
01/20/25 12:00

Received date/time
01/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2439330	1	01/24/25 14:36	01/27/25 10:19	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2439583	1	01/26/25 11:20	01/26/25 11:20	BJM	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2440221	1	01/27/25 04:40	01/27/25 04:40	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2439548	1	01/24/25 19:45	01/24/25 19:45	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2439587	1	01/24/25 21:00	01/24/25 21:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2438671	1	01/25/25 04:45	01/25/25 04:45	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2438671	10	01/25/25 05:02	01/25/25 05:02	AJC	Mt. Juliet, TN
Mercury by Method 7470A	WG2440224	1	01/29/25 13:48	01/30/25 12:50	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2439353	1	01/24/25 22:52	01/25/25 19:25	DJS	Mt. Juliet, TN

SAMPLE SUMMARY

MW-65-01202025 L1819840-04 GW

Collected by K. Manning
Collected date/time 01/20/25 12:00
Received date/time 01/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2439338	1	01/24/25 17:08	01/24/25 21:26	UNP	Mt. Juliet, TN

RW-01-01222025 L1819840-05 GW

Collected by K. Manning
Collected date/time 01/22/25 13:26
Received date/time 01/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2439330	1	01/24/25 14:36	01/27/25 10:19	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2439583	1	01/26/25 11:25	01/26/25 11:25	BJM	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2440221	1	01/27/25 04:42	01/27/25 04:42	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2439548	1	01/24/25 19:45	01/24/25 19:45	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2439587	1	01/24/25 21:00	01/24/25 21:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2438671	1	01/25/25 05:19	01/25/25 05:19	AJC	Mt. Juliet, TN
Mercury by Method 7470A	WG2440224	1	01/29/25 13:48	01/30/25 12:53	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2439353	1	01/24/25 22:52	01/25/25 19:27	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2439338	1	01/24/25 17:08	01/24/25 21:29	UNP	Mt. Juliet, TN

Cp

Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Donna Eidson
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

WG2439330

Gravimetric Analysis by Method 2540 C-2011

QUALITY CONTROL SUMMARY

L1819840-01,02,03,04,05

Method Blank (MB)

(MB) R4171425-1 01/27/25 10:19

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	
Dissolved Solids	U		10.0	10.0

L1819680-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819680-01 01/27/25 10:19 • (DUP) R4171425-3 01/27/25 10:19

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1130	1130	1	0.000		10

L1819843-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819843-01 01/27/25 10:19 • (DUP) R4171425-4 01/27/25 10:19

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	909	899	1	1.18		10

Laboratory Control Sample (LCS)

(LCS) R4171425-2 01/27/25 10:19

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8730	99.2	85.0-115	

Method Blank (MB)

(MB) R4170444-2 01/26/25 10:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity,Carbonate	U		4.75	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1819840-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819840-01 01/26/25 10:29 • (DUP) R4170444-3 01/26/25 10:34

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Carbonate	U	U	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1820107-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1820107-01 01/26/25 12:33 • (DUP) R4170444-4 01/26/25 12:38

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Carbonate	U	U	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

WG2440221

Wet Chemistry by Method 353.2

QUALITY CONTROL SUMMARY

L1819840-01.02.03.04.05

Method Blank (MB)

(MB) R4170823-1 01/27/25 03:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0435	0.200

Laboratory Control Sample (LCS)

(LCS) R4170823-2 01/27/25 03:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.60	104	90.0-110	

L1819514-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819514-01 01/27/25 03:59 • (MS) R4170823-3 01/27/25 04:01 • (MSD) R4170823-4 01/27/25 04:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.234	3.02	3.04	112	112	1	90.0-110	J5	J5	0.396	20

L1819626-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819626-01 01/27/25 04:07 • (MS) R4170823-5 01/27/25 04:10 • (MSD) R4170823-6 01/27/25 04:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.941	3.71	3.88	111	118	1	90.0-110	J5	J5	4.66	20

WG2439548

Wet Chemistry by Method 9040C

QUALITY CONTROL SUMMARY

L1819840-01,02,03,04,05

L1819614-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819614-01 01/24/25 19:45 • (DUP) R4170246-2 01/24/25 19:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
pH	SU 6.45	SU 6.46	1	% 0.155		% 1

Sample Narrative:

OS: 6.45 at 19.3C

DUP: 6.46 at 19.3C

L1819887-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819887-01 01/24/25 19:45 • (DUP) R4170246-3 01/24/25 19:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
pH	SU 8.00	SU 7.99	1	% 0.125		% 1

Sample Narrative:

OS: 8 at 18.8C

DUP: 7.99 at 18.9C

Laboratory Control Sample (LCS)

(LCS) R4170246-1 01/24/25 19:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
pH	SU 10.0	SU 10.0	% 100	% 99.0-101	

Sample Narrative:

LCS: 10.01 at 20.5C

ACCOUNT:

Energy Fuels Resources

PROJECT:

SDG:

L1819840

DATE/TIME:

01/31/25 07:28

PAGE:

19 of 30

WG2439587

Wet Chemistry by Method 9050A

QUALITY CONTROL SUMMARY

L1819840-01,02,03,04,05

Method Blank (MB)

(MB) R4170245-1 01/24/25 21:00

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:
BLANK: at 25C

L1819843-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819843-01 01/24/25 21:00 • (DUP) R4170245-3 01/24/25 21:00

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1350	1330	1	1.04		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4170245-2 01/24/25 21:00

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1010	89.5	85.0-115	

Sample Narrative:
LCS: at 25C

WG2438671

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

L1819840-01.02.03.04.05

Method Blank (MB)

(MB) R4170618-1 01/24/25 21:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	U		0.0761	0.150
Sulfate	U		0.637	5.00

L1819586-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1819586-01 01/24/25 22:50 • (DUP) R4170618-3 01/24/25 23:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.489	0.464	1	5.31		15
Sulfate	8.95	8.74	1	2.39		15

L1819586-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1819586-02 01/24/25 23:58 • (DUP) R4170618-6 01/25/25 00:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.223	0.194	1	13.8		15
Sulfate	9.68	9.51	1	1.69		15

Laboratory Control Sample (LCS)

(LCS) R4170618-2 01/24/25 21:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	8.00	8.13	102	80.0-120	
Sulfate	40.0	39.5	98.8	80.0-120	

L1819586-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819586-01 01/24/25 22:50 • (MS) R4170618-4 01/24/25 23:24 • (MSD) R4170618-5 01/24/25 23:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	0.489	8.59	8.49	1	80.0-120	101	80.0-120	1.20	15
Sulfate	40.0	8.95	47.4	46.5	1	80.0-120	96.1	80.0-120	1.92	15

ACCOUNT:

Energy Fuels Resources

PROJECT:

SDG:

L1819840

DATE/TIME:

01/31/25 07:28

PAGE:

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WG2438671

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

L1819840-01.02.03.04.05

L1819586-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1819586-02 01/24/25 23:58 • (MS) R4170618-7 01/25/25 00:32

Analyte	Spike Amount		Original Result		MS Rec.	Dilution	Rec. Limits		MS Qualifier
	mg/l		mg/l	mg/l			%		
Fluoride	8.00		0.223	8.25	100	1	80.0-120		
Sulfate	40.0		9.68	47.3	94.0	1	80.0-120		

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

WG2440224

Mercury by Method 7470A

QUALITY CONTROL SUMMARY

L1819840-01,02,03,04,05

Method Blank (MB)

(MB) R4171817-1 01/30/25 12:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4171817-2 01/30/25 12:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00282	93.9	80.0-120	

L1819840-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819840-01 01/30/25 12:19 • (MS) R4171817-4 01/30/25 12:24 • (MSD) R4171817-5 01/30/25 12:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00294	0.00293	98.2	97.5	1	75.0-125		0.664	20	

WG2439353

Metals (ICP) by Method 6010D

QUALITY CONTROL SUMMARY

L1819840-01,02,03,04,05

Method Blank (MB)

(MB) R4170392-1 01/25/25 19:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic, Dissolved	U		0.00783	0.0100
Barium, Dissolved	U		0.000773	0.00500
Beryllium, Dissolved	U		0.000501	0.00200
Cadmium, Dissolved	U		0.000538	0.00200
Calcium, Dissolved	U		0.153	1.00
Chromium, Dissolved	U		0.00151	0.0100
Lead, Dissolved	U		0.00243	0.00600
Magnesium, Dissolved	U		0.101	1.00
Nickel, Dissolved	U		0.00196	0.0100
Potassium, Dissolved	U		0.624	2.00
Selenium, Dissolved	U		0.00616	0.0100
Sodium, Dissolved	U		0.444	3.00

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Laboratory Control Sample (LCS)

(LCS) R4170392-2 01/25/25 19:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Dissolved	1.00	0.964	96.4	80.0-120	
Barium, Dissolved	1.00	1.00	100	80.0-120	
Beryllium, Dissolved	1.00	0.990	99.0	80.0-120	
Cadmium, Dissolved	1.00	0.987	98.7	80.0-120	
Calcium, Dissolved	10.0	10.2	102	80.0-120	
Chromium, Dissolved	1.00	0.993	99.3	80.0-120	
Lead, Dissolved	1.00	0.984	98.4	80.0-120	
Magnesium, Dissolved	10.0	10.1	101	80.0-120	
Nickel, Dissolved	1.00	0.973	97.3	80.0-120	
Potassium, Dissolved	10.0	10.0	100	80.0-120	
Selenium, Dissolved	1.00	0.958	95.8	80.0-120	
Sodium, Dissolved	10.0	10.3	103	80.0-120	

L1819498-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819498-12 01/25/25 19:03 • (MS) R4170392-4 01/25/25 19:06 • (MSD) R4170392-5 01/25/25 19:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	Dilution	Rec. Limits %	MS Qualifier	RPD %	RPD Limits %
Arsenic, Dissolved	1.00	U	0.986	1.01	1	75.0-125		2.30	20
Barium, Dissolved	1.00	0.0968	1.08	1.11	1	75.0-125		2.26	20
Beryllium, Dissolved	1.00	U	0.989	1.02	1	75.0-125		2.69	20

ACCOUNT:
Energy Fuels Resources

PROJECT:
L1819840

DATE/TIME:
01/31/25 07:28

PAGE:
24 of 30

WG2439353

Metals (ICP) by Method 6010D

QUALITY CONTROL SUMMARY

L1819840-01.02.03.04.05

L1819498-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819498-12 01/25/25 19:03 • (MS) R4170392-4 01/25/25 19:06 • (MSD) R4170392-5 01/25/25 19:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cadmium, Dissolved	1.00	U	0.993	1.01	99.3	101	1	75.0-125			1.77	20
Calcium, Dissolved	10.0	79.0	87.6	88.4	86.0	94.2	1	75.0-125			0.934	20
Chromium, Dissolved	1.00	U	0.986	1.02	98.6	102	1	75.0-125			3.14	20
Lead, Dissolved	1.00	U	1.02	1.03	102	103	1	75.0-125			0.991	20
Magnesium, Dissolved	10.0	30.4	39.7	40.2	93.5	98.6	1	75.0-125			1.27	20
Nickel, Dissolved	1.00	U	1.02	1.02	102	102	1	75.0-125			0.661	20
Potassium, Dissolved	10.0	1.22	11.2	11.4	99.6	102	1	75.0-125			2.21	20
Selenium, Dissolved	1.00	U	0.997	1.00	99.7	100	1	75.0-125			0.266	20
Sodium, Dissolved	10.0	72.8	81.2	82.3	84.0	94.6	1	75.0-125			1.29	20

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

WG2439338

Metals (ICPMS) by Method 6020B

QUALITY CONTROL SUMMARY

L1819840-01,02,03,04,05

Method Blank (MB)

(MB) R4170247-1 01/24/25 20:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony,Dissolved	0.000825	J	0.000370	0.00400
Thallium,Dissolved	U		0.000130	0.00200
Uranium,Dissolved	U		0.000130	0.00100

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	0.0500	0.0474	94.8	80.0-120	
Thallium,Dissolved	0.0500	0.0446	89.2	80.0-120	
Uranium,Dissolved	0.0500	0.0446	89.2	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4170247-2 01/24/25 20:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	0.0500	0.0474	94.8	80.0-120	
Thallium,Dissolved	0.0500	0.0446	89.2	80.0-120	
Uranium,Dissolved	0.0500	0.0446	89.2	80.0-120	

L1819840-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819840-01 01/24/25 20:36 • (MS) R4170247-4 01/24/25 20:43 • (MSD) R4170247-5 01/24/25 20:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	0.0500	0.00221	0.0498	0.0491	95.1	93.9	1	75.0-125			1.29	20
Thallium,Dissolved	0.0500	0.00103	0.0455	0.0456	88.9	89.2	1	75.0-125			0.301	20
Uranium,Dissolved	0.0500	0.00873	0.0527	0.0520	87.9	86.5	1	75.0-125			1.35	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

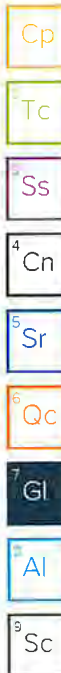
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Date _____

Name _____

Temperature

၀၂၂၇

Fed Ex tracking #

06861817 #7

#7



CANYON MINE WATER SAMPLING FIELD FORM

Sampling Event/Purpose: 2nd Quarter

Sampling Location/Description: Sump -1470

Sample ID: Sump-1470-04232025 Sampler's Name: Chris Fereas

Weather: Sunny

FIELD MEASUREMENTS

Conductance: 1618 $\mu S/cm$ Units: $\mu S/cm$

pH: 8.39

Temperature: 11.4 °C

Redox Potential: 68.6 mV

Turbidity: —

Conductance: _____ Units: _____

pH: _____

Temperature: _____

Redox Potential: _____

Turbidity: _____

Notes/Comments: Sampled at 10:34, Sump-1470-04232025

Duplicate set collected:

ID: Sump-65-04232025

Time: 1200

Laboratory Name: Pace Analytical

Date Shipped: 4/23/25

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1260		20.0	1	04/26/2025 16:00	WG2500656

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity,Carbonate	8.96	J	4.75	20.0	1	04/24/2025 21:13	WG2499387

Sample Narrative:

L1851387-01 WG2499387: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	88.4		0.870	4.00	20	04/29/2025 21:57	WG2501988

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.02	T8	1	04/25/2025 17:00	WG2499437

Sample Narrative:

L1851387-01 WG2499437: 8.02 at 21.2C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1730	umhos/cm		10.0	1	04/24/2025 23:01	WG2499448

Sample Narrative:

L1851387-01 WG2499448: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Fluoride	0.508	J	0.380	0.750	5	04/30/2025 05:33	WG2499217
Sulfate	447		3.18	25.0	5	04/30/2025 05:33	WG2499217

Sample Narrative:

L1851387-01 WG2499217: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/29/2025 18:44	WG2499288

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	6.89		0.00783	0.0100	1	05/01/2025 21:08	WG2503286
Barium	0.0831		0.000773	0.00500	1	05/01/2025 21:08	WG2503286
Beryllium	0.00232		0.000501	0.00200	1	05/01/2025 21:08	WG2503286
Cadmium	U		0.000538	0.00200	1	05/01/2025 21:08	WG2503286

SUMP-1470_04232025

Collected date/time: 04/23/25 10:34

SAMPLE RESULTS - 01

L1851387

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	228		0.153	1.00	1	05/01/2025 21:08	WG2503286
Chromium	0.0575		0.00151	0.0100	1	05/01/2025 21:08	WG2503286
Copper	11.8		0.00226	0.0100	1	05/01/2025 21:08	WG2503286
Iron	6.27		0.0205	0.100	1	05/01/2025 21:08	WG2503286
Lead	4.05		0.00243	0.00600	1	05/01/2025 21:08	WG2503286
Magnesium	89.4		0.101	1.00	1	05/01/2025 21:08	WG2503286
Manganese	0.249		0.00101	0.0100	1	05/01/2025 21:08	WG2503286
Nickel	2.45		0.00196	0.0100	1	05/01/2025 21:08	WG2503286
Potassium	23.7		0.624	2.00	1	05/01/2025 21:08	WG2503286
Selenium	U		0.0308	0.0500	5	05/02/2025 00:10	WG2503286
Sodium	43.9		0.444	3.00	1	05/01/2025 21:08	WG2503286

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony	0.0709		0.000310	0.00400	1	05/02/2025 21:24	WG2503166
Thallium	0.0296		0.000130	0.00200	1	05/02/2025 13:19	WG2503166
Uranium	75.7		0.0260	0.200	200	05/02/2025 15:31	WG2503166
Vanadium	0.182		0.000520	0.00500	1	05/02/2025 13:19	WG2503166
Zinc	9.74		0.800	5.00	200	05/02/2025 15:31	WG2503166

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	76200		391	391	6.03	2.24	05/13/2025 13:39	WG2503311

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	14600		50.1	50.2	0.429	0.148	05/16/2025 02:10	WG2509381
(T) Barium	92.2					30.0-143	05/16/2025 02:10	WG2509381

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	11.0		1.69	1.84	2.18	0.706	05/19/2025 22:43	WG2514480
(T) Barium	74.5					30.0-143	05/19/2025 22:43	WG2514480
(T) Yttrium	107					30.0-136	05/19/2025 22:43	WG2514480

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	21900				05/15/2025 15:11	WG2503311

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	28800		1540	1880	155	45.5	05/15/2025 15:11	WG2510533
URANIUM-235	1550		434	512	239	76.4	05/15/2025 15:11	WG2510533
URANIUM-238	25500		1450	1770	142	39.0	05/15/2025 15:11	WG2510533
(T) URANIUM-232	72.3					30.0-110	05/15/2025 15:11	WG2510533



Pinyon Plain
Field Form For Groundwater

Well No.	MW-01
Sampler(s)	Chris ferens

Purge Date	04/22/2025
Sample Date	04/22/2025

WELL INFORMATION

Total Well Depth (ft)	1148
Casing Diameter (in)	6

Screened Interval (ft)	920 to 1148
Static water depth (ft)	998.72

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	13:28	Time Completed	15:57
Pump Rate (gpm)	7.2		
Depth to Water after Purging (ft)			

Total Purge Time	149
Total Purge Volume	571

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)
13:28	100	0	1					
13:37	143	43	14.7	793	7.08	17.4	30.9	152
13:52	205	105	14.5	793	7.08	13.9	30.1	152
14:08	252	152	14.7	798	7.17	13.9	30.1	105
14:30	333	233	14.7	811	7.29	16.2	30.8	85.4
15:00	414	314	15.1	819	7.32	24.6	32.2	44.6
15:36	596	496	15.3	821	7.34	49.3	36	42.4
15:48	640	540	15.3	821	7.34	35.8	38.7	43.5
15:52	658	558	15.3	821	7.33	35.8	36.5	38.0
15:56	658	558	15.4	820	7.34	34.9	36.0	34.4
15:57	671	571	15.4	818	7.34	36.8	36.1	33.8

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
MW-01_04222025	04/22/2025	15:58	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

MW-01-04222025

Collected date/time: 04/22/25 15:08

SAMPLE RESULTS - 01

L1851392

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l			
Dissolved Solids	607		10.0	1	04/28/2025 09:48	WG2500790

Wet Chemistry by Method 2320 B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Alkalinity,Carbonate	U		4.75	20.0	1	04/24/2025 21:31	WG2499387

Sample Narrative:

L1851392-01 WG2499387: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Nitrate-Nitrite	U		0.0435	0.200	1	04/29/2025 22:03	WG2501988

Wet Chemistry by Method 9040C

	Result	Qualifier	Dilution	Analysis date / time	Batch
Analyte	su				
pH	7.79	T8	1	04/25/2025 17:00	WG2499437

Sample Narrative:

L1851392-01 WG2499437: 7.79 at 20.8C

Wet Chemistry by Method 9050A

	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte							
Specific Conductance	869	umhos/cm		10.0	1	04/24/2025 23:01	WG2499448

Sample Narrative:

L1851392-01 WG2499448: at 25C

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Fluoride	U		0.380	0.750	5	04/30/2025 06:23	WG2499217
Sulfate	222		3.18	25.0	5	04/30/2025 06:23	WG2499217

Sample Narrative:

L1851392-01 WG2499217: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Mercury,Dissolved	U		0.0000700	0.000200	1	04/29/2025 13:53	WG2500134

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Arsenic,Dissolved	0.0214		0.00783	0.0100	1	05/01/2025 11:23	WG2503257
Barium,Dissolved	0.0405		0.000773	0.00500	1	05/01/2025 11:23	WG2503257
Beryllium,Dissolved	U		0.000501	0.00200	1	05/01/2025 11:23	WG2503257
Cadmium,Dissolved	U		0.000538	0.00200	1	05/01/2025 11:23	WG2503257



MW-01-04222025

SAMPLE RESULTS - 01

Collected date/time: 04/22/25 15:08

L1851392

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium,Dissolved	104		0.153	1.00	1	05/01/2025 11:23	WG2503257
Chromium,Dissolved	U		0.00151	0.0100	1	05/01/2025 11:23	WG2503257
Lead,Dissolved	U		0.00243	0.00600	1	05/01/2025 11:23	WG2503257
Magnesium,Dissolved	54.3		0.101	1.00	1	05/01/2025 11:23	WG2503257
Nickel,Dissolved	0.0362		0.00196	0.0100	1	05/01/2025 11:23	WG2503257
Potassium,Dissolved	1.86	J	0.624	2.00	1	05/01/2025 11:23	WG2503257
Selenium,Dissolved	U		0.00616	0.0100	1	05/01/2025 11:23	WG2503257
Sodium,Dissolved	5.39		0.444	3.00	1	05/01/2025 11:23	WG2503257

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	0.00236	J	0.000310	0.00400	1	05/01/2025 14:08	WG2503274
Thallium,Dissolved	0.000683	J	0.000130	0.00200	1	05/01/2025 14:08	WG2503274
Uranium,Dissolved	0.00845		0.000130	0.00100	1	05/01/2025 14:08	WG2503274

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

MW-01-04222025

Collected date/time: 04/22/25 15:58

SAMPLE RESULTS - 06

L1851392

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	30.5		3.87	3.89	1.79	0.719	05/13/2025 13:39	WG2503311
GROSS BETA	9.05		1.82	1.83	1.76	0.836	05/13/2025 13:39	WG2503311

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	14.1		1.08	1.22	0.236	0.0861	05/29/2025 06:28	WG2509381
(T) Barium	90.6					30.0-143	05/29/2025 06:28	WG2509381

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.437	<u>J</u>	0.445	0.474	0.745	0.252	05/19/2025 00:37	WG2513876
(T) Barium	89.6					30.0-143	05/19/2025 00:37	WG2513876
(T) Yttrium	123					30.0-136	05/19/2025 00:37	WG2513876

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	17.1				05/20/2025 20:01	WG2503311

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	10.0		1.27	1.52	0.400	0.139	05/20/2025 20:01	WG2504131
URANIUM-235	0.140	<u>U</u>	0.294	0.323	0.472	0.154	05/20/2025 20:01	WG2504131
URANIUM-238	3.29		0.736	0.880	0.339	0.109	05/20/2025 20:01	WG2504131
(T) URANIUM-232	94.3					30.0-110	05/20/2025 20:01	WG2504131



MW-01_04222025

SAMPLE RESULTS - 01

Collected date/time: 04/22/25 15:58

L1865032

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	5.51		0.929	1.07	0.308	0.0938	06/20/2025 23:30	WG2530183
(T) Barium	95.2					30.0-143	06/20/2025 23:30	WG2530183

Cp

Tc

Ss

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.921	J	0.716	0.757	1.17	0.388	06/11/2025 18:38	WG2533696
(T) Barium	104					30.0-143	06/11/2025 18:38	WG2533696
(T) Yttrium	101					30.0-136	06/11/2025 18:38	WG2533696

Cn

Sr

Qc

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	6.43		1.17	1.21	06/20/2025 23:30	WG2530183

Gl

Al

Sc

* Rerun of original sample due to
high Ra-226 result



Pinyon Plain
Field Form For Groundwater

Well No.	MW-02
Sampler(s)	Chris ferens

Purge Date	04/23/2025
Sample Date	04/23/2025

WELL INFORMATION

Total Well Depth (ft)	1130
Casing Diameter (in)	6

Screened Interval (ft)	920 to 1130
Static water depth (ft)	980.85

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	07:25	Time Completed	09:36
Pump Rate (gpm)	7		
Depth to Water after Purging (ft)			

Total Purge Time	131
Total Purge Volume	523

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)
07:25	92	0						
07:53	270	178	14.9	638	7.31	61.7	47	
08:02	305	213	14.7	641	7.41	-12.7	42.5	83.1
08:33	416	324	14.7	644	7.47	-4.6	42.5	28.3
09:00	500	408	14.8	648	7.50	16.0	41.3	19.8
09:17	554	462	14.9	649	7.51	7.9	41.9	15.2
09:28	594	502	14.9	651	7.51	14.2	42.1	13.5
09:33	607	515	14.9	651	7.51	16.2	41.6	13.0
09:36	615	523	14.9	651	7.51	17.7	41.6	12.1

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
MW-02_04232025	04/23/2025	09:37	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

MW-02-04222025

Collected date/time: 04/23/25 09:37

SAMPLE RESULTS - 02

L1851392

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	424		10.0	1	04/28/2025 09:48	WG2500790

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Alkalinity,Carbonate	U		4.75	20.0	1	04/24/2025 21:36	WG2499387

Sample Narrative:

L1851392-02 WG2499387: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0435	0.200	1	04/29/2025 22:04	WG2501988

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.92	T8	1	04/25/2025 17:00	WG2499437

Sample Narrative:

L1851392-02 WG2499437: 7.92 at 20.6C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis	Batch
						date / time	
Specific Conductance	685	umhos/cm		10.0	1	04/24/2025 23:01	WG2499448

Sample Narrative:

L1851392-02 WG2499448: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Fluoride	0.138	J	0.0761	0.150	1	04/30/2025 07:14	WG2499217
Sulfate	116		6.37	50.0	10	04/30/2025 08:04	WG2499217

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury,Dissolved	U		0.0000700	0.000200	1	04/29/2025 13:55	WG2500134

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic,Dissolved	0.0341		0.00783	0.0100	1	05/01/2025 11:25	WG2503257
Barium,Dissolved	0.0530		0.000773	0.00500	1	05/01/2025 11:25	WG2503257
Beryllium,Dissolved	U		0.000501	0.00200	1	05/01/2025 11:25	WG2503257
Cadmium,Dissolved	U		0.000538	0.00200	1	05/01/2025 11:25	WG2503257
Calcium,Dissolved	79.9		0.153	1.00	1	05/01/2025 11:25	WG2503257
Chromium,Dissolved	U		0.00151	0.0100	1	05/01/2025 11:25	WG2503257
Lead,Dissolved	U		0.00243	0.00600	1	05/01/2025 11:25	WG2503257

MW-02-04222025

SAMPLE RESULTS - 02

Collected date/time: 04/23/25 09:37

L1851392

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Magnesium,Dissolved	41.1		0.101	1.00	1	05/01/2025 11:25	WG2503257
Nickel,Dissolved	0.0114		0.00196	0.0100	1	05/01/2025 11:25	WG2503257
Potassium,Dissolved	1.54	J	0.624	2.00	1	05/01/2025 11:25	WG2503257
Selenium,Dissolved	U		0.00616	0.0100	1	05/01/2025 11:25	WG2503257
Sodium,Dissolved	2.56	J	0.444	3.00	1	05/01/2025 11:25	WG2503257

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	U		0.000310	0.00400	1	05/01/2025 14:11	WG2503274
Thallium,Dissolved	0.000532	J	0.000130	0.00200	1	05/01/2025 14:11	WG2503274
Uranium,Dissolved	0.00585		0.000130	0.00100	1	05/01/2025 14:11	WG2503274

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

MW-02-04232025

Collected date/time: 04/23/25 09:37

SAMPLE RESULTS - 07

L1851392

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	11.2		2.34	2.36	1.63	0.661	05/13/2025 13:39	WG2503311
GROSS BETA	4.41		1.60	1.61	1.80	0.855	05/13/2025 13:39	WG2503311

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	2.69		0.730	0.873	0.461	0.159	05/15/2025 19:08	WG2509381
(T) Barium	92.2					30.0-143	05/15/2025 19:08	WG2509381

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.741		0.456	0.494	0.740	0.250	05/19/2025 00:37	WG2513876
(T) Barium	91.2					30.0-143	05/19/2025 00:37	WG2513876
(T) Yttrium	118					30.0-136	05/19/2025 00:37	WG2513876

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	4.01				05/20/2025 16:25	WG2503311

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	4.74		0.789	1.00	0.297	0.0995	05/20/2025 16:25	WG2504131
URANIUM-235	0.118	<u>U</u>	0.236	0.269	0.377	0.122	05/20/2025 16:25	WG2504131
URANIUM-238	2.43		0.570	0.721	0.274	0.0882	05/20/2025 16:25	WG2504131
(T) URANIUM-232	94.9					30.0-110	05/20/2025 16:25	WG2504131

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc



**Pinyon Plain
Field Form For Groundwater**

Well No.	MW-03
Sampler(s)	Chris ferens

Purge Date	04/22/2025
Sample Date	04/22/2025

WELL INFORMATION

Total Well Depth (ft)	1145
Casing Diameter (in)	6

Screened Interval (ft)	920 to 1145
Static water depth (ft)	957.53

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method		3 Casings	
Time Started	08:54	Time Completed	12:06
Pump Rate (gpm)		3	
Depth to Water after Purging (ft)			

Total Purge Time	192
Total Purge Volume	569

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)
08:54	258	0	15	1442	6.36	-110	73.2	
09:05	310	52	14.9	1442	6.85	-112	29.6	
09:17	350	92	14.9	1438	6.94	-127.7	28.8	41.7
09:34	400	142	14.4	1444	7.00	-123.7	21.6	14.6
10:00	476	218	14.5	1449	7.06	-131.6	15.4	13
10:23	557	299	14.6	1448	7.09	-134.2	21.0	8.78
10:53	644	386	14.7	1455	7.07	-129.7	15.7	16.4
11:18	705	447	14.8	1447	7.02	-125.2	3.5	4.78
11:41	766	508	14.9	1432	7.00	-126.9	2.7	6.77
11:48	783	525	14.9	1448	7.02	-128.5	2.6	4.42
11:58	797	539	14.9	1450	7.01	-129.8	2.4	5.41
12:02	817	559	14.9	1457	7.01	-130.4	2.5	4.23
12:06	827	569	14.9	1453	7.00	-131.0	2.3	3.26

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
MW-03_04222025	04/22/2025	12:08	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

MW-03-04222025

Collected date/time: 04/22/25 12:08

SAMPLE RESULTS - 03

L1851392

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1230		20.0	1	04/28/2025 15:03	WG2500795

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity,Carbonate	U		4.75	20.0	1	04/24/2025 21:40	WG2499387

Sample Narrative:

L1851392-03 WG2499387: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0435	0.200	1	04/29/2025 22:06	WG2501988

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.17	T8	1	04/25/2025 17:00	WG2499437

Sample Narrative:

L1851392-03 WG2499437: 7.17 at 21C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1550	umhos/cm		10.0	1	04/24/2025 23:01	WG2499448

Sample Narrative:

L1851392-03 WG2499448: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Fluoride	U		0.380	0.750	5	04/30/2025 08:29	WG2499217
Sulfate	731		12.7	100	20	04/30/2025 08:42	WG2499217

Sample Narrative:

L1851392-03 WG2499217: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury,Dissolved	U		0.0000700	0.000200	1	04/29/2025 14:06	WG2500134

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.0216		0.00783	0.0100	1	05/01/2025 11:27	WG2503257
Barium,Dissolved	0.00735		0.000773	0.00500	1	05/01/2025 11:27	WG2503257
Beryllium,Dissolved	U		0.000501	0.00200	1	05/01/2025 11:27	WG2503257
Cadmium,Dissolved	U		0.000538	0.00200	1	05/01/2025 11:27	WG2503257

MW-03-04222025

SAMPLE RESULTS - 03

Collected date/time: 04/22/25 12:08

L1851392

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium,Dissolved	203		0.153	1.00	1	05/01/2025 11:27	WG2503257
Chromium,Dissolved	U		0.00151	0.0100	1	05/01/2025 11:27	WG2503257
Lead,Dissolved	0.00300	J	0.00243	0.00600	1	05/01/2025 11:27	WG2503257
Magnesium,Dissolved	103		0.101	1.00	1	05/01/2025 11:27	WG2503257
Nickel,Dissolved	0.199		0.00196	0.0100	1	05/01/2025 11:27	WG2503257
Potassium,Dissolved	2.42		0.624	2.00	1	05/01/2025 11:27	WG2503257
Selenium,Dissolved	U		0.00616	0.0100	1	05/01/2025 11:27	WG2503257
Sodium,Dissolved	4.72		0.444	3.00	1	05/01/2025 11:27	WG2503257

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	U		0.000310	0.00400	1	05/01/2025 14:14	WG2503274
Thallium,Dissolved	U		0.000130	0.00200	1	05/01/2025 14:14	WG2503274
Uranium,Dissolved	0.0111		0.000130	0.00100	1	05/01/2025 14:14	WG2503274

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

MW-03-04222025

Collected date/time: 04/22/25 12:08

SAMPLE RESULTS - 08

L1851392

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	9.89		4.98	5.00	5.73	2.45	05/13/2025 13:39	WG2503311
GROSS BETA	36.1		4.13	4.15	3.72	1.76	05/13/2025 13:39	WG2503311

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	2.03		0.624	0.761	0.488	0.178	05/15/2025 19:08	WG2509381
(T) Barium	101					30.0-143	05/15/2025 19:08	WG2509381

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.0664	<u>U</u>	0.517	0.529	0.898	0.305	05/19/2025 00:37	WG2513876
(T) Barium	85.6					30.0-143	05/19/2025 00:37	WG2513876
(T) Yttrium	118					30.0-136	05/19/2025 00:37	WG2513876

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	0.000				05/20/2025 16:25	WG2503311

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	8.94		1.73	1.96	0.699	0.225	05/20/2025 16:25	WG2504131
URANIUM-235	-0.0349	<u>U</u>	0.460	0.474	0.956	0.309	05/20/2025 16:25	WG2504131
URANIUM-238	5.76		1.40	1.58	0.699	0.225	05/20/2025 16:25	WG2504131
(T) URANIUM-232	40.4					30.0-110	05/20/2025 16:25	WG2504131





**Pinyon Plain
Field Form For Groundwater**

Well No.	RW-01
Sampler(s)	Chris ferens

Purge Date	04/23/2025
Sample Date	04/23/2025

WELL INFORMATION

Total Well Depth (ft)	3086
Casing Diameter (in)	8

Screened Interval (ft)	2584 to 2960
Static water depth (ft)	2564

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	11:05	Time Completed	11:22
Pump Rate (gpm)	40		
Depth to Water after Purging (ft)			

Total Purge Time	17
Total Purge Volume	855

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)
11:05	1685	0	24.2	460.0	7.39	79.8	7.6	1.01
11:10	1931	246	24.3	450.8	7.38	80.5	8.7	1.09
11:15	2193	508	24.4	451.0	7.37	82.8	10.0	0.86
11:22	2540	855	24.6	451.0	7.37	86.8	10.2	0.97

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
RW-01_04232025	04/23/2025	11:24	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

RW-01-04222025

Collected date/time: 04/23/25 11:24

SAMPLE RESULTS - 05

L1851392

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	232		10.0	1	04/28/2025 20:22	WG2501628

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity,Carbonate	U		4.75	20.0	1	04/24/2025 23:00	WG2499387

Sample Narrative:

L1851392-05 WG2499387: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0824	J	0.0435	0.200	1	04/29/2025 22:08	WG2501988

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.70	T8	1	04/26/2025 08:55	WG2500194

Sample Narrative:

L1851392-05 WG2500194: 7.7 at 20.2C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	464	umhos/cm		10.0	1	04/24/2025 23:01	WG2499448

Sample Narrative:

L1851392-05 WG2499448: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Fluoride	0.319		0.0761	0.150	1	04/30/2025 09:32	WG2499217
Sulfate	18.6		0.637	5.00	1	04/30/2025 09:32	WG2499217

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury,Dissolved	U		0.0000700	0.000200	1	04/29/2025 14:13	WG2500134

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	U		0.00783	0.0100	1	05/01/2025 11:30	WG2503257
Barium,Dissolved	0.0875		0.000773	0.00500	1	05/01/2025 11:30	WG2503257
Beryllium,Dissolved	U		0.000501	0.00200	1	05/01/2025 11:30	WG2503257
Cadmium,Dissolved	U		0.000538	0.00200	1	05/01/2025 11:30	WG2503257
Calcium,Dissolved	42.6		0.153	1.00	1	05/01/2025 11:30	WG2503257
Chromium,Dissolved	U		0.00151	0.0100	1	05/01/2025 11:30	WG2503257
Lead,Dissolved	U		0.00243	0.00600	1	05/01/2025 11:30	WG2503257

RW-01-04222025

SAMPLE RESULTS - 05

Collected date/time: 04/23/25 11:24

L1851392

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Magnesium,Dissolved	30.9		0.101	1.00	1	05/01/2025 11:30	WG2503257
Nickel,Dissolved	0.0205		0.00196	0.0100	1	05/01/2025 11:30	WG2503257
Potassium,Dissolved	2.33		0.624	2.00	1	05/01/2025 11:30	WG2503257
Selenium,Dissolved	0.00865	J	0.00616	0.0100	1	05/01/2025 11:30	WG2503257
Sodium,Dissolved	6.93		0.444	3.00	1	05/01/2025 11:30	WG2503257

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	U		0.000310	0.00400	1	05/01/2025 14:21	WG2503274
Thallium,Dissolved	U		0.000130	0.00200	1	05/01/2025 14:21	WG2503274
Uranium,Dissolved	0.0139		0.000130	0.00100	1	05/01/2025 14:21	WG2503274



RW-01-04232025

Collected date/time: 04/23/25 11:24

SAMPLE RESULTS - 10

L1851392

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	9.31		1.67	1.69	0.988	0.393	05/13/2025 17:03	WG2503311
GROSS BETA	5.23		1.72	1.73	2.08	0.995	05/13/2025 17:03	WG2503311

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	1.25		0.509	0.646	0.493	0.180	05/15/2025 21:09	WG2513532
(T) Barium	100					30.0-143	05/15/2025 21:09	WG2513532

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.806	J	1.11	1.15	1.89	0.612	05/19/2025 22:43	WG2514480
(T) Barium	96.1					30.0-143	05/19/2025 22:43	WG2514480
(T) Yttrium	111					30.0-136	05/19/2025 22:43	WG2514480

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	0.000				05/20/2025 16:25	WG2503311

Radiochemistry by Method D3972 U-02

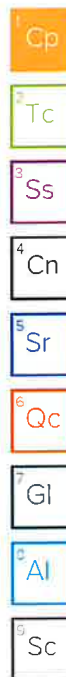
Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	10.7		1.30	1.67	0.339	0.109	05/20/2025 16:25	WG2504131
URANIUM-235	0.139	U	0.294	0.336	0.472	0.154	05/20/2025 16:25	WG2504131
URANIUM-238	4.91		0.892	1.14	0.339	0.109	05/20/2025 16:25	WG2504131
(T) URANIUM-232	86.0					30.0-110	05/20/2025 16:25	WG2504131





ANALYTICAL REPORT

May 21, 2025



Energy Fuels Resources

Sample Delivery Group: L1851387
Samples Received: 04/24/2025
Project Number:
Description: PINYON PLAIN SUMP DISCHARGE

Report To: Kathy Weinel
225 Union Blvd
Suite 600
Lakewood, CO 80228

Entire Report Reviewed By:

Donna Eidson
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

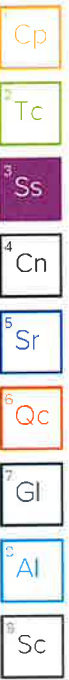
SUMP-1470_04232025 L1851387-01

Collected by
Chris Ferens

Collected date/time
04/23/25 10:34

Received date/time
04/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2500656	1	04/26/25 14:14	04/26/25 16:00	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2499387	1	04/24/25 21:13	04/24/25 21:13	KRB	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2501988	20	04/29/25 21:57	04/29/25 21:57	RTW	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2499437	1	04/25/25 17:00	04/25/25 17:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2499448	1	04/24/25 23:01	04/24/25 23:01	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499217	5	04/30/25 05:33	04/30/25 05:33	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2499288	1	04/28/25 14:59	04/29/25 18:44	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2503286	1	05/01/25 15:40	05/01/25 21:08	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2503286	5	05/01/25 15:40	05/02/25 00:10	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2503166	1	05/01/25 19:50	05/02/25 13:19	JDB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2503166	1	05/01/25 19:50	05/02/25 21:24	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2503166	200	05/01/25 19:50	05/02/25 15:31	JDB	Mt. Juliet, TN



SUMP-65_04232025 L1851387-02

Collected by
Chris Ferens

Collected date/time
04/23/25 12:00

Received date/time
04/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2500656	1	04/26/25 14:14	04/26/25 16:00	AMG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2499387	1	04/24/25 21:25	04/24/25 21:25	KRB	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2501988	20	04/29/25 21:58	04/29/25 21:58	RTW	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2499437	1	04/25/25 17:00	04/25/25 17:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2499448	1	04/24/25 23:01	04/24/25 23:01	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499217	5	04/30/25 05:58	04/30/25 05:58	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2499288	1	04/28/25 14:59	04/29/25 19:00	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2503286	1	05/01/25 15:40	05/01/25 21:13	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2503286	1	05/01/25 15:40	05/01/25 23:14	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2503166	1	05/01/25 19:50	05/02/25 13:22	JDB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2503166	1	05/01/25 19:50	05/02/25 21:27	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2503166	200	05/01/25 19:50	05/02/25 15:34	JDB	Mt. Juliet, TN

SUMP-1470_04232025 L1851387-03

Collected by
Chris Ferens

Collected date/time
04/23/25 10:34

Received date/time
04/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2503311	1	05/08/25 10:40	05/13/25 13:39	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2509381	1	05/12/25 08:39	05/16/25 02:10	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2514480	1	05/14/25 10:26	05/19/25 22:43	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2503311	1	05/08/25 10:40	05/15/25 15:11	ZRG	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2510533	1	05/14/25 14:12	05/15/25 15:11	ZRG	Mt. Juliet, TN

SUMP-65_04232025 L1851387-04

Collected by
Chris Ferens

Collected date/time
04/23/25 12:00

Received date/time
04/24/25 10:00

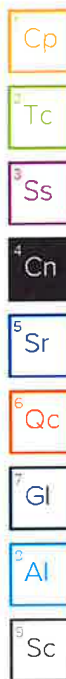
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2503311	1	05/08/25 10:40	05/13/25 13:39	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2509381	1	05/12/25 08:39	05/16/25 02:10	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2514480	1	05/14/25 10:26	05/19/25 22:43	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2503311	1	05/08/25 10:40	05/15/25 15:11	ZRG	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2510533	1	05/14/25 14:12	05/15/25 15:11	ZRG	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Donna Eidson
Project Manager



Method Blank (MB)

(MB) R4205846-1 04/26/25 16:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1851387-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1851387-01 04/26/25 16:00 • (DUP) R4205846-3 04/26/25 16:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1260	1250	1	0.794		10

L1851847-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1851847-07 04/26/25 16:00 • (DUP) R4205846-4 04/26/25 16:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3440	3470	1	0.868		10

Laboratory Control Sample (LCS)

(LCS) R4205846-2 04/26/25 16:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8360	95.0	90.0-110	

Method Blank (MB)

(MB) R4214755-1 05/12/25 19:18

Analyte	MB Result		MB Qualifier		MB 2 sigma CE		MB MDA		MB Lc	
	pCi/l	0.447	+ / -	0.394	pCi/l	0.505	pCi/l	0.196		
GROSS ALPHA			J							

L1851392-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1851392-06 05/13/25 13:39 • (DUP) R4214755-3 05/12/25 19:18

Analyte	Original Result		Original 2 sigma CE		Original MDA		Original Lc		DUP Result		DUP 2 sigma CE		DUP MDA		DUP Lc		DUP RPD		DUP RER		<u>DUP Qualifier</u>		DUP RPD Limits		DUP RER Limit	
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l		+ / -		pCi/l		pCi/l		%		%				%			
GROSS ALPHA	30.5		3.87		1.79		0.719		31.9		4.19		1.99		0.801		4.49		0.245				20			3

Laboratory Control Sample (LCS)

(LCS) R4214755-2 05/12/25 19:18

Analyte	Spike Amount		LCS Result		LCS Rec.		Rec. Limits		LCS Qualifier	
	pCi/l	15.0	pCi/l	12.0	%	80.1	%	80.0-120		
GROSS ALPHA										

L1850825-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850825-01 05/14/25 05:14 • (MS) R4214755-6 05/14/25 05:14 • (MSD) R4214755-7 05/14/25 05:14

Analyte	Spike Amount		Original Result		MS Result		MSD Result		MS Rec.		MSD Rec.		Dilution		Rec. Limits		<u>MS Qualifier</u>		<u>MSD Qualifier</u>		RPD		MS RER		RPD Limits	
	pCi/l		pCi/l		pCi/l		pCi/l		%		%		%		%	%		%	%		%		%	%	%	
GROSS ALPHA	18.8		1.09		19.9		16.0		100		79.5		1		70.0-130					21.6					20	

Radiochemistry by Method 903.0/9315

L1851387-03,04

(MB) R4216022-1 05/15/25 14:07

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.0696	U	0.136	0.257	0.0938
Barium	100		100		

(OS) L1850901-13 05/15/25 18:08 • (DUP) R4216022-5 05/15/25 15:07

Analyte	Original Result	Original 2 sigma CE	Original MDA	Original Lc	DUP Result	DUP 2 sigma CE	DUP MDA	DUP Lc	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	+ / -	pCi/l	pCi/l	pCi/l	+ / -	pCi/l	pCi/l	%			%	
Radium-226	0.141	0.207	0.361	0.110	0.550	0.623	1.01	0.371	118	0.623		20	3
(7) Barium	94.4				104	104							

(LCS) R4216022-2 05/15/25 14:07

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	4.59	91.9	80.0-120	
<i>(7) Barium</i>			<i>104</i>		

(QS) I 1850901-01 05/15/25 15:07 • (MS) R4216022-3 05/15/25 14:07 • (MSD) R4216022-4 05/15/25 14:07

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.368	17.5	19.6	85.5	96.3	1	75.0-125			11.7		20
(7) Barium	102				105	102							

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Method Blank (MB)

(MB) R4217715-1 05/19/25 22:43

Analyte	MB Result		MB Qualifier		MB 2 sigma CE		MB MDA		MB Lc	
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l	
Radium-228	0.347		0.255		0.416		0.134			
(f) Barium	fff		fff							
(f) Yttrium	fff		fff							

L1851392-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1851392-09 05/19/25 22:43 • (DUP) R4217715-5 05/19/25 22:43

Analyte	Original Result		Original 2 sigma CE		Original MDA		Original Lc		DUP Result		DUP 2 sigma CE		DUP MDA		DUP Lc		DUP RPD		DUP RER		DUP Qualifier		DUP RPD Limits		DUP RER Limit	
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l		+ / -		pCi/l		pCi/l		%						%			
Radium-228	130		112		1.86		0.607		0.814		1.02		1.71		0.557		46.1		0.322		J		20		3	
(f) Barium	102								10f		10f															
(f) Yttrium	108								11f		11f															

Laboratory Control Sample (LCS)

(LCS) R4217715-2 05/19/25 22:43

Analyte	Spike Amount		LCS Result		LCS Rec.		Rec. Limits		LCS Qualifier	
	pCi/l		pCi/l		%		%			
Radium-228	5.00		4.56		91.1		80.0-120			
(f) Barium					107					
(f) Yttrium					98.3					

L1851852-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851852-02 05/19/25 22:43 • (MS) R4217715-3 05/19/25 22:43 • (MSD) R4217715-4 05/19/25 22:43

Analyte	Spike Amount		Original Result		MS Result		MSD Result		MSD Rec.		Dilution		Rec. Limits		MS Qualifier		MSD Qualifier		RPD		MS RER		RPD Limits	
	pCi/l		pCi/l		pCi/l		pCi/l		%				%				%		%			%		
Radium-228	16.7		0.683		16.0		13.5		91.7		1		70.0-130				16.7						20	
(f) Barium			98.4						103															
(f) Yttrium			123						112															

Method Blank (MB)

(MB) R4217365-1 05/15/25 15:11

Analyte	MB Result		MB Qualifier		MB 2 sigma CE		MB MDA		MB Lc	
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l	
URANIUM-234	-0.0158		0.0457		0.0969		0.0338		0.0338	
URANIUM-235	-0.0293		0.0387		0.111		0.0356		0.0356	
URANIUM-238	0.00394		0.0457		0.0868		0.0287		0.0287	
(7) URANIUM-232	94.8		94.8							

L1850047-03 Original Sample (OS) • Duplicate (DUP)										
(OS) L1850047-03 05/15/25 15:11 • (DUP) R4217365-3 05/15/25 15:11										
Analyte	Original Result		Original 2 sigma CE		Original MDA		Original Lc		DUP Result	
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l	
URANIUM-234	10.4	3.84	2.72		0.873		0.873		8.03	
URANIUM-235	-0.103	1.77	3.68		1.19		1.19		-0.961	
URANIUM-238	10.0	3.79	2.72		0.873		0.873		6.04	
(7) URANIUM-232	88.9								110	

Analyte	Spike Amount		LCS Result		LCS Rec.		Rec. Limits		LCS Qualifier	
	pCi/l		pCi/l		%		%			
URANIUM-234	5.03	5.68	113		80.0-120					
URANIUM-238	4.90	5.49	112		80.0-120					
(7) URANIUM-232			89.7							

Laboratory Control Sample (LCS)

(LCS) R4217365-2 05/15/25 15:11

Analyte	Spike Amount		LCS Result		LCS Rec.		Rec. Limits		LCS Qualifier	
	pCi/l		pCi/l		%		%			
URANIUM-234	5.03	5.68	113		80.0-120					
URANIUM-238	4.90	5.49	112		80.0-120					
(7) URANIUM-232			89.7							

L1850047-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1850047-03 05/15/25 15:11 • (MS) R4217365-4 05/19/25 16:14

Analyte	Spike Amount		Original Result		MS Result		MS Rec.		Dilution		Rec. Limits		MS Qualifier	
	pCi/l		pCi/l		pCi/l		%				%			
URANIUM-234	201	10.4	186		186		87.3		1		75.0-125			
URANIUM-238	196	10.0	198		198		96.1		1		75.0-125			
(7) URANIUM-232		88.9					90.6							

WG2499387

Wet Chemistry by Method 2320 B-2011

QUALITY CONTROL SUMMARY

L1851387-01.02

Method Blank (MB)

(MB) R4204804-2 04/24/25 20:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity,Carbonate	U		4.75	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1851387-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1851387-01 04/24/25 21:13 • (DUP) R4204804-3 04/24/25 21:20

	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Analyte						
Alkalinity,Carbonate	8.96	9.35	1	4.29	J	20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5 Headspace

L1851392-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1851392-05 04/24/25 23:00 • (DUP) R4204804-4 04/24/25 23:04

	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Analyte						
Alkalinity,Carbonate	U	U	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5 Headspace



WG2501988

Wet Chemistry by Method 353.2

QUALITY CONTROL SUMMARY

L1851387-01.02

Method Blank (MB)

(MB) R4207262-1 04/29/25 21:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0435	0.200

Laboratory Control Sample (LCS)

(LCS) R4207262-2 04/29/25 21:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %
Nitrate-Nitrite	2.50	2.55	102	90.0-110

L1850678-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850678-01 04/29/25 21:34 • (MS) R4207262-3 04/29/25 21:35 • (MSD) R4207262-4 04/29/25 21:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	U	2.59	2.60	104	104	1	90.0-110		0.385		20

L1851101-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851101-06 04/29/25 21:40 • (MS) R4207262-5 04/29/25 21:41 • (MSD) R4207262-6 04/29/25 21:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	2.40	4.90	5.03	100	105	1	90.0-110		E	2.62	20

WG2499437

Wet Chemistry by Method 9040C

QUALITY CONTROL SUMMARY

L1851387-01.02

L1849604-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1849604-02 04/25/25 17:00 • (DUP) R4205363-2 04/25/25 17:00

Analyte	Original Result		DUP Result		Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
	SU		SU					
pH	7.69		7.71		1	0.260		1

Sample Narrative:

OS: 7.69 at 21.1C

DUP: 7.71 at 21.5C

L1851431-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1851431-01 04/25/25 17:00 • (DUP) R4205363-3 04/25/25 17:00

Analyte	Original Result		DUP Result		Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
	SU		SU					
pH	7.60		7.59		1	0.132		1

Sample Narrative:

OS: 7.6 at 20.7C

DUP: 7.59 at 20.9C

Laboratory Control Sample (LCS)

(LCS) R4205363-1 04/25/25 17:00

Analyte	Spike Amount		LCS Result		LCS Rec.		Rec. Limits		LCS Qualifier
	SU		SU		%		%		
pH	10.0		9.97		99.7		99.0-101		

Sample Narrative:

LCS: 9.97 at 20.4C



WG2499448

Wet Chemistry by Method 9050A

QUALITY CONTROL SUMMARY

L1851387-01.02

Method Blank (MB)

(MB) R4204813-1 04/24/25 23:01

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:
BLANK: at 25C

L1851387-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1851387-01 04/24/25 23:01 • (DUP) R4204813-3 04/24/25 23:01

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1730	1730	1	0.000		10

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4204813-2 04/24/25 23:01

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1070	94.5	85.0-115	

Sample Narrative:
LCS: at 25C



WG2499217

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

L1851387-01.02

Method Blank (MB)

(MB) R4207716-1 04/30/25 01:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	U		0.0761	0.150
Sulfate	U		0.637	5.00

L1851392-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1851392-02 04/30/25 07:14 • (DUP) R4207716-3 04/30/25 07:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.138	0.132	1	4.52	J	15

L1851392-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1851392-02 04/30/25 08:04 • (DUP) R4207716-6 04/30/25 08:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	116	119	10	3.17		15

L1851392-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1851392-04 04/30/25 08:54 • (DUP) R4207716-7 04/30/25 09:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	U	U	10	0.000		15
Sulfate	121	118	10	2.69		15

Sample Narrative:

OS: Dilution due to matrix impact on instrumentation at lower dilution

Laboratory Control Sample (LCS)

(LCS) R4207716-2 04/30/25 02:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	8.00	7.67	95.9	80.0-120	
Sulfate	40.0	38.5	96.1	80.0-120	

WG2499217

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

L1851387-01.02

L1851392-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851392-02 04/30/25 07:14 • (MS) R4207716-4 04/30/25 07:39 • (MSD) R4207716-5 04/30/25 07:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	0.138	7.65	7.67	93.9	94.2	1	80.0-120			0.283	15
Sulfate	40.0	120	128	127	20.3	19.3	1	80.0-120	E J6	E J6	0.314	15

L1851392-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1851392-04 04/30/25 08:54 • (MS) R4207716-8 04/30/25 09:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Fluoride	8.00	U	7.88	98.5	10	80.0-120	
Sulfate	40.0	121	128	16.9	10	80.0-120	J6

Sample Narrative:

OS: Dilution due to matrix impact on instrumentation at lower dilution

ACCOUNT:
Energy Fuels Resources

PROJECT:

SDG:
L1851387

DATE/TIME:
05/21/25 08:34

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1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

WG2499288

Mercury by Method 7470A

QUALITY CONTROL SUMMARY

L1851387-01.02

Method Blank (MB)

(MB) R4207200-1 04/29/25 18:05				
Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4207200-6 04/29/25 18:55				
Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %
Mercury	0.00300	0.00298	99.3	80.0-120

L1851324-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851324-01 04/29/25 18:10 • (MS) R4207200-4 04/29/25 18:21 • (MSD) R4207200-5 04/29/25 18:23									
Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	RPD Limits %
Mercury	0.00300	U	0.00285	0.00290	94.9	96.5	1	75.0-125	20

Method Blank (MB)

(MB) R4208566-1 05/01/25 20:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.00783	0.0100
Barium	U		0.000773	0.00500
Beryllium	U		0.000501	0.00200
Cadmium	U		0.000538	0.00200
Calcium	U		0.153	1.00
Chromium	U		0.00151	0.0100
Copper	U		0.00226	0.0100
Iron	U		0.0205	0.100
Lead	U		0.00243	0.00600
Magnesium	U		0.101	1.00
Manganese	U		0.00101	0.0100
Nickel	U		0.00196	0.0100
Potassium	U		0.624	2.00
Selenium	U		0.00616	0.0100
Sodium	U		0.444	3.00

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Laboratory Control Sample (LCS)

(LCS) R4208566-2 05/01/25 20:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	1.00	0.995	99.5	80.0-120	
Barium	1.00	1.03	103	80.0-120	
Beryllium	1.00	0.986	98.6	80.0-120	
Cadmium	1.00	1.01	101	80.0-120	
Calcium	10.0	9.69	96.9	80.0-120	
Chromium	1.00	1.00	100	80.0-120	
Copper	1.00	1.05	105	80.0-120	
Iron	10.0	9.68	96.8	80.0-120	
Lead	1.00	0.967	96.7	80.0-120	
Magnesium	10.0	10.0	100	80.0-120	
Manganese	1.00	0.992	99.2	80.0-120	
Nickel	1.00	0.942	94.2	80.0-120	
Potassium	10.0	10.0	100	80.0-120	
Selenium	1.00	0.952	95.2	80.0-120	
Sodium	10.0	10.4	104	80.0-120	

WG2503286

Metals (ICP) by Method 6010D

QUALITY CONTROL SUMMARY

L1851387-01.02

L1851324-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851324-04 05/01/25 20:56 • (MS) R4208566-4 05/01/25 20:59 • (MSD) R4208566-5 05/01/25 21:01

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Result %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	1.00	U	1.01	1.01	101	101	1	75.0-125			0.00949	20
Barium	1.00	0.0113	1.02	1.00	101	99.3	1	75.0-125			1.40	20
Beryllium	1.00	U	1.01	1.01	101	101	1	75.0-125			0.186	20
Cadmium	1.00	U	0.993	0.984	99.3	98.4	1	75.0-125			0.913	20
Calcium	10.0	246	251	253	48.5	69.8	1	75.0-125	✓	✓	0.848	20
Chromium	1.00	0.00212	1.01	1.01	101	101	1	75.0-125			0.0560	20
Copper	1.00	U	0.989	0.992	98.9	99.2	1	75.0-125			0.340	20
Iron	10.0	0.104	9.60	9.64	94.9	95.3	1	75.0-125			0.440	20
Lead	1.00	U	0.986	0.989	98.6	98.9	1	75.0-125			0.362	20
Magnesium	10.0	192	198	199	63.0	73.5	1	75.0-125	✓	✓	0.525	20
Manganese	1.00	0.169	1.17	1.16	100	99.2	1	75.0-125			0.966	20
Nickel	1.00	U	1.00	0.999	100	99.9	1	75.0-125			0.463	20
Potassium	10.0	11.5	21.5	21.7	100	102	1	75.0-125			0.848	20
Selenium	1.00	0.0192	1.00	0.978	98.3	95.9	1	75.0-125			2.48	20
Sodium	10.0	424	426	426	20.8	21.9	1	75.0-125	✓	✓	0.0255	20

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

WG2503166

Metals (ICPMS) by Method 6020B

QUALITY CONTROL SUMMARY

L1851387-01.02

Method Blank (MB)

(MB) R4209006-5 05/02/25 15:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony	U		0.000310	0.00400
Thallium	U		0.000130	0.00200
Uranium	U		0.000130	0.00100
Vanadium	U		0.000520	0.00500
Zinc	U		0.00400	0.0250

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Laboratory Control Sample (LCS)

(LCS) R4209006-6 05/02/25 15:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	0.0500	0.0535	107	80.0-120	
Thallium	0.0500	0.0491	98.3	80.0-120	
Uranium	0.0500	0.0472	94.4	80.0-120	
Vanadium	0.0500	0.0490	97.9	80.0-120	
Zinc	0.0500	0.0549	110	80.0-120	

L1851268-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851268-03 05/02/25 12:57 • (MS) R4209006-3 05/02/25 13:07 • (MSD) R4209006-4 05/02/25 13:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	0.0500	0.0148	0.0675	0.0662	105	103	1	75.0-125			1.97	20
Thallium	0.0500	U	0.0492	0.0492	98.4	98.5	1	75.0-125			0.0453	20
Uranium	0.0500	0.00818	0.0577	0.0574	99.1	98.4	1	75.0-125			0.661	20
Vanadium	0.0500	0.0305	0.0799	0.0804	98.7	99.8	1	75.0-125			0.674	20
Zinc	0.0500	2.27	2.32	2.33	90.3	108	1	75.0-125	E	E	0.392	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

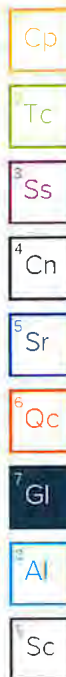
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery
RER	Replicate Error Ratio
RPD	Relative Percent Difference
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL)
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
T8	Sample(s) received past/too close to holding time expiration.
U	Below Detectable Limits: Indicates that the analyte was not detected.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

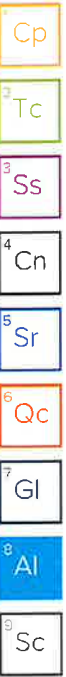
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

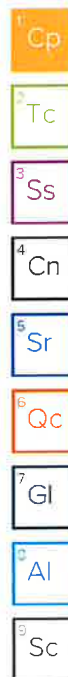


[illegible]



ANALYTICAL REPORT

May 30, 2025



Energy Fuels Resources

Sample Delivery Group: L1851392
Samples Received: 04/24/2025
Project Number:
Description: Pinyon Plain Mine GW Sampling

Report To: Kathy Weinel
225 Union Blvd
Suite 600
Lakewood, CO 80228

Entire Report Reviewed By:

Donna Eidson
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

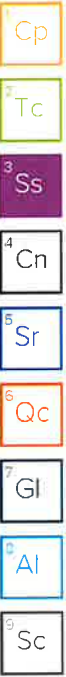
MW-01-04222025 L1851392-01

Collected by
Chris Ferens

Collected date/time
04/22/25 15:08

Received date/time
04/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2500790	1	04/26/25 16:09	04/28/25 09:48	MDD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2499387	1	04/24/25 21:31	04/24/25 21:31	KRB	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2501988	1	04/29/25 22:03	04/29/25 22:03	RTW	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2499437	1	04/25/25 17:00	04/25/25 17:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2499448	1	04/24/25 23:01	04/24/25 23:01	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499217	5	04/30/25 06:23	04/30/25 06:23	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2500134	1	04/28/25 14:49	04/29/25 13:53	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2503257	1	04/30/25 22:42	05/01/25 11:23	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2503274	1	05/01/25 03:55	05/01/25 14:08	JPD	Mt. Juliet, TN



MW-02-04222025 L1851392-02

Collected by
Chris Ferens

Collected date/time
04/23/25 09:37

Received date/time
04/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2500790	1	04/26/25 16:09	04/28/25 09:48	MDD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2499387	1	04/24/25 21:36	04/24/25 21:36	KRB	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2501988	1	04/29/25 22:04	04/29/25 22:04	RTW	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2499437	1	04/25/25 17:00	04/25/25 17:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2499448	1	04/24/25 23:01	04/24/25 23:01	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499217	1	04/30/25 07:14	04/30/25 07:14	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499217	10	04/30/25 08:04	04/30/25 08:04	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2500134	1	04/28/25 14:49	04/29/25 13:55	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2503257	1	04/30/25 22:42	05/01/25 11:25	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2503274	1	05/01/25 03:55	05/01/25 14:11	JPD	Mt. Juliet, TN

MW-03-04222025 L1851392-03

Collected by
Chris Ferens

Collected date/time
04/22/25 12:08

Received date/time
04/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2500795	1	04/26/25 16:13	04/28/25 15:03	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2499387	1	04/24/25 21:40	04/24/25 21:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2501988	1	04/29/25 22:06	04/29/25 22:06	RTW	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2499437	1	04/25/25 17:00	04/25/25 17:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2499448	1	04/24/25 23:01	04/24/25 23:01	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499217	20	04/30/25 08:42	04/30/25 08:42	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499217	5	04/30/25 08:29	04/30/25 08:29	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2500134	1	04/28/25 14:49	04/29/25 14:06	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2503257	1	04/30/25 22:42	05/01/25 11:27	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2503274	1	05/01/25 03:55	05/01/25 14:14	JPD	Mt. Juliet, TN

MW-65-04222025 L1851392-04

Collected by
Chris Ferens

Collected date/time
04/23/25 12:00

Received date/time
04/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2500790	1	04/26/25 16:09	04/28/25 09:48	MDD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2499387	1	04/24/25 21:44	04/24/25 21:44	KRB	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2501988	1	04/29/25 22:07	04/29/25 22:07	RTW	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2499437	1	04/25/25 17:00	04/25/25 17:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2499448	1	04/24/25 23:01	04/24/25 23:01	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499217	10	04/30/25 08:54	04/30/25 08:54	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2500134	1	04/28/25 14:49	04/29/25 14:08	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2503257	1	04/30/25 22:42	05/01/25 11:29	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2503274	1	05/01/25 03:55	05/01/25 14:17	JPD	Mt. Juliet, TN

SAMPLE SUMMARY

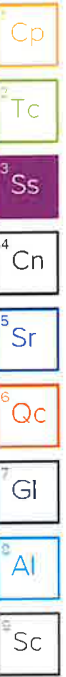
RW-01-04222025 L1851392-05

Collected by
Chris Ferens

Collected date/time
04/23/25 11:24

Received date/time
04/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2501628	1	04/28/25 09:54	04/28/25 20:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2499387	1	04/24/25 23:00	04/24/25 23:00	KRB	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2501988	1	04/29/25 22:08	04/29/25 22:08	RTW	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2500194	1	04/26/25 08:55	04/26/25 08:55	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2499448	1	04/24/25 23:01	04/24/25 23:01	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499217	1	04/30/25 09:32	04/30/25 09:32	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2500134	1	04/28/25 14:49	04/29/25 14:13	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2503257	1	04/30/25 22:42	05/01/25 11:30	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2503274	1	05/01/25 03:55	05/01/25 14:21	JPD	Mt. Juliet, TN



MW-01-04222025 L1851392-06

Collected by
Chris Ferens

Collected date/time
04/22/25 15:58

Received date/time
04/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2503311	1	05/08/25 10:40	05/13/25 13:39	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2509381	1	05/12/25 08:39	05/29/25 06:28	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2513876	1	05/14/25 07:19	05/19/25 00:37	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2503311	1	05/08/25 10:40	05/20/25 20:01	ZRG	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2504131	1	05/17/25 09:17	05/20/25 20:01	ZRG	Mt. Juliet, TN

MW-02-04232025 L1851392-07

Collected by
Chris Ferens

Collected date/time
04/23/25 09:37

Received date/time
04/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2503311	1	05/08/25 10:40	05/13/25 13:39	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2509381	1	05/12/25 08:39	05/15/25 19:08	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2513876	1	05/14/25 07:19	05/19/25 00:37	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2503311	1	05/08/25 10:40	05/20/25 16:25	ZRG	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2504131	1	05/17/25 09:17	05/20/25 16:25	ZRG	Mt. Juliet, TN

MW-03-04222025 L1851392-08

Collected by
Chris Ferens

Collected date/time
04/22/25 12:08

Received date/time
04/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2503311	1	05/08/25 10:40	05/13/25 13:39	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2509381	1	05/12/25 08:39	05/15/25 19:08	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2513876	1	05/14/25 07:19	05/19/25 00:37	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2503311	1	05/08/25 10:40	05/20/25 16:25	ZRG	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2504131	1	05/17/25 09:17	05/20/25 16:25	ZRG	Mt. Juliet, TN

MW-65-04232025 L1851392-09

Collected by
Chris Ferens

Collected date/time
04/23/25 12:00

Received date/time
04/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2503311	1	05/08/25 10:40	05/13/25 17:03	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2513532	1	05/13/25 11:38	05/29/25 06:28	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2514480	1	05/14/25 10:26	05/19/25 22:43	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2503311	1	05/08/25 10:40	05/20/25 16:25	ZRG	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2504131	1	05/17/25 09:17	05/20/25 16:25	ZRG	Mt. Juliet, TN

SAMPLE SUMMARY

RW-01-04232025 L1851392-10

Collected by
Chris Ferens

Collected date/time
04/23/25 11:24

Received date/time
04/24/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 900	WG2503311	1	05/08/25 10:40	05/13/25 17:03	ALG	Mt. Juliet, TN
Radiochemistry by Method 903.0/9315	WG2513532	1	05/13/25 11:38	05/15/25 21:09	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2514480	1	05/14/25 10:26	05/19/25 22:43	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2503311	1	05/08/25 10:40	05/20/25 16:25	ZRG	Mt. Juliet, TN
Radiochemistry by Method D3972 U-02	WG2504131	1	05/17/25 09:17	05/20/25 16:25	ZRG	Mt. Juliet, TN

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Donna Eidson
Project Manager

Sample Delivery Group (SDG) Narrative

Analysis was filtered in the laboratory.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	Method
R4208284-3		6020B

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

WG2500790

Gravimetric Analysis by Method 2540 C-2011

QUALITY CONTROL SUMMARY

L1851392-01.02.04

Method Blank (MB)

(MB) R4207270-1 04/28/25 09:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1851338-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1851338-02 04/28/25 09:48 • (DUP) R4207270-3 04/28/25 09:48

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1650	1680	1	1.80		10

L1851884-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1851884-01 04/28/25 09:48 • (DUP) R4207270-4 04/28/25 09:48

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3380	3480	1	2.92		10

Laboratory Control Sample (LCS)

(LCS) R4207270-2 04/28/25 09:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8730	99.2	90.0-110	

Method Blank (MB)

(MB) R4207826-1 04/28/25 15:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1850298-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1850298-01 04/28/25 15:03 • (DUP) R4207826-3 04/28/25 15:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	832	862	1	3.54		10

L1851851-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1851851-06 04/28/25 15:03 • (DUP) R4207826-4 04/28/25 15:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1950	1930	1	1.03		10

Laboratory Control Sample (LCS)

(LCS) R4207826-2 04/28/25 15:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8770	99.7	90.0-110	



Method Blank (MB)

(MB) R4207798-1 04/28/25 20:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1851690-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1851690-02 04/28/25 20:22 • (DUP) R4207798-3 04/28/25 20:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	22200	22700	1	1.96		10

L1852082-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1852082-01 04/28/25 20:22 • (DUP) R4207798-4 04/28/25 20:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	80.0	77.0	1	3.82		10

Laboratory Control Sample (LCS)

(LCS) R4207798-2 04/28/25 20:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8350	94.9	90.0-110	

WG2503311

Radiochemistry by Method 900

QUALITY CONTROL SUMMARY

L1851392-06,07,08,09,10

Method Blank (MB)

(MB) R4214755-1 05/12/25 19:18

Analyte	MB Result		MB Qualifier		MB 2 sigma CE		MB MDA		MB Lc	
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l	
GROSS ALPHA	0.447		0.394		0.505		0.196			
GROSS BETA	0.931		1.21		1.59		0.760			

L1851392-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1851392-06 05/13/25 13:39 • (DUP) R4214755-3 05/12/25 19:18

Analyte	Original Result		Original 2 sigma CE		Original MDA		Original Lc		DUP Result		DUP 2 sigma CE		DUP MDA		DUP Lc		DUP RPD		DUP RER		DUP Qualifier		DUP RPD Limits		DUP RER Limit		
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l		+ / -		pCi/l		pCi/l		%		%		%		%		%		%
GROSS ALPHA	30.5		3.87		1.79		0.719		31.9		4.19		1.99		0.801		4.49		0.245		20		20		3		3
GROSS BETA	9.05		1.82		1.76		0.836		7.95		1.79		1.78		0.844		13.0		0.431		20		20		3		3

Laboratory Control Sample (LCS)

(LCS) R4214755-2 05/12/25 19:18

Analyte	Spike Amount		LCS Result		LCS Rec.		Rec. Limits		LCS Qualifier	
	pCi/l		pCi/l		%		%			
GROSS ALPHA	15.0		12.0		80.1		80.0-120			
GROSS BETA	39.4		39.7		101		80.0-120			

L1850825-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850825-01 05/14/25 05:14 • (MS) R4214755-6 05/14/25 05:14 • (MSD) R4214755-7 05/14/25 05:14

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	MS RER	RPD Limits
	pCi/l	pCi/l	pCi/l	pCi/l	%	%		%			%		%
GROSS ALPHA	18.8	1.09	19.9	16.0	100	79.5	1	70.0-130		J3	21.6		20
GROSS BETA	49.2	1.99	55.6	52.1	109	102	1	70.0-130			6.48		20

Method Blank (MB)

(MB) R4216022-1 05/15/25 14:07

Analyte	MB Result pCi/l	MB Qualifier	MB 2 Sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226 (7) Barium	0.0696 100	U	0.136 100	0.257	0.0938

L1850901-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1850901-13 05/15/25 18:08 • (DUP) R4216022-5 05/15/25 15:07

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226 (7) Barium	0.141 94.4	0.207	0.361	0.110	0.550 104	0.623 104	1.01	0.371	118	0.623	J	20	3

Laboratory Control Sample (LCS)

(LCS) R4216022-2 05/15/25 14:07

Analyte	Spike Amount pCi/l	LCS Result pCi/l	Rec. Limits %	LCS Qualifier
Radium-226 (7) Barium	5.00	4.59	91.9 104	80.0-120

L1850901-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850901-01 05/15/25 15:07 • (MS) R4216022-3 05/15/25 14:07 • (MSD) R4216022-4 05/15/25 14:07

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226 (7) Barium	20.0 102	0.368 102	17.5	19.6	85.5 105	96.3 102	1	75.0-125			11.7		20

Method Blank (MB)

(MB) R4217610-1 05/15/25 20:08						
Analyte	MB Result	MB Qualifier	MB 2 sigma CE	MB MDA	MB Lc	
	pCi/l		+ / -	pCi/l	pCi/l	
	Radium-226 (7) Barium	0.204 101	0.160 101	0.217	0.0747	

L1852887-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1852887-01 05/15/25 22:09 • (DUP) R4217610-5 05/15/25 21:09									
Analyte	Original Result	Original 2 sigma CE	Original MDA	Original Lc	DUP Result	DUP 2 sigma CE	DUP MDA	DUP Lc	DUP RPD
	pCi/l	+ / -	pCi/l	pCi/l	pCi/l	+ / -	pCi/l	pCi/l	%
	Radium-226 (7) Barium	0.178 99.4	0.247	0.427	0.147	0.147	0.427	0.358	67.2
					0.0886 100	0.459 100	0.980	0.172	20
									3

Laboratory Control Sample (LCS)

(LCS) R4217610-2 05/15/25 20:08						
Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	
	pCi/l	pCi/l	%	%		
	Radium-226 (7) Barium	5.00	4.88	97.6 100	80.0-120	

L1856906-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1856906-02 05/16/25 02:10 • (MS) R4217610-3 05/15/25 20:08 • (MSD) R4217610-4 05/15/25 20:08									
Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier
	pCi/l	pCi/l	pCi/l	pCi/l	%	%		%	
	Radium-226 (7) Barium	20.0	0.547 99.9	19.2	19.7	93.1 97.8	1	75.0-125	2.73
									20

Method Blank (MB)

(MB) R4217064-1 05/19/25 00:37

Analyte	MB Result		MB Qualifier		MB 2 sigma CE		MB MDA		MB Lc	
	pCi/l				+ / -	pCi/l	pCi/l	pCi/l	pCi/l	
Radium-228	0.183		J		0.237	0.401			0.134	
(f) Barium	115				115					
(f) Yttrium	125				125					

L1853402-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1853402-03 05/19/25 00:37 • (DUP) R4217064-5 05/19/25 00:37										
Analyte	Original Result		Original 2 sigma CE		Original MDA		Original Lc		DUP Result	
	pCi/l		+ / -		pCi/l	pCi/l	pCi/l		pCi/l	
Radium-228	0.919		0.637		1.04	1.04	0.354		0.932	
(f) Barium	102								105	
(f) Yttrium	117								119	

L1858030-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858030-01 05/19/25 00:37 • (MS) R4217064-3 05/19/25 00:37 • (MSD) R4217064-4 05/19/25 00:37										
Analyte	Spike Amount		Original Result		MS Result		MSD Result		MSD Rec.	
	pCi/l		pCi/l		pCi/l	pCi/l	pCi/l		%	
Radium-228	10.0		0.730		7.81	8.48			77.5	
(f) Barium			96.4						92.7	
(f) Yttrium			119						118	

Laboratory Control Sample (LCS)

(LCS) R4217064-2 05/19/25 00:37

Analyte	Spike Amount		LCS Result		LCS Rec.		Rec. Limits		LCS Qualifier	
	pCi/l		pCi/l		%	%	%			
Radium-228	5.00		4.08		81.6	80.0-120				
(f) Barium					110					
(f) Yttrium					122					

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Radiochemistry by Method 904/9320

QUALITY CONTROL SUMMARY

L1851392-09,10

Method Blank (MB)

(MB) R4217715-1 05/19/25 22:43

Analyte	MB Result pCi/l	MB Qualifier 	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.347		0.255	0.416	0.134
(7) Barium	111		111		
(7) Yttrium	113		113		

L1851392-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1851392-09 05/19/25 22:43 • (DUP) R4217715-5 05/19/25 22:43

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	1.30	1.12	1.86	0.607	0.814	1.02	1.71	0.557	46.1	0.322	J	20	3
(7) Barium	102				101	101							
(7) Yttrium	108				111	111							

Laboratory Control Sample (LCS)

(LCS) R4217715-2 05/19/25 22:43

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.56	91.1	80.0-120	
(7) Barium			107		
(7) Yttrium			98.3		

L1851852-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851852-02 05/19/25 22:43 • (MS) R4217715-3 05/19/25 22:43 • (MSD) R4217715-4 05/19/25 22:43

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	16.7	0.683	16.0	13.5	91.7	77.0	1	70.0-130			16.7		20
(7) Barium		98.4			103	110							
(7) Yttrium		123			112	111							

ACCOUNT:
Energy Fuels Resources

PROJECT:

SDG:
L1851392

DATE/TIME: 05/30/25 07:44

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1 Cp 2 Tc 3 Ss 4 Cn 5 Sr 6 Qc 7 Gl 8 Al 9 Sc

Method Blank (MB)

(MB) R4217864-4 05/20/25 20:01									
Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l				
URANIUM-234	0.0223	U	0.0619	0.103	0.0350				
URANIUM-235	-0.0182	U	0.0529	0.126	0.0405				
URANIUM-238	-0.0134	U	0.0392	0.0932	0.0300				
(T) URANIUM-232	88.2		88.2						

L1851392-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1851392-09 05/20/25 16:25 • (DUP) R4217864-3 05/20/25 16:25													
Analyte	Original Result	Original 2 sigma CE	Original MDA	Original Lc	DUP Result	DUP 2 sigma CE	DUP MDA	DUP Lc	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	+ / -	pCi/l	pCi/l	pCi/l	+ / -	pCi/l	pCi/l	%			%	
URANIUM-234	5.02	0.944	0.371	0.119	5.71	0.997	0.375	0.122	12.9	0.503		20	3
URANIUM-235	0.221	0.339	0.508	0.164	0.0393	0.267	0.500	0.162	140	0.421	U	20	3
URANIUM-238	3.11	0.751	0.371	0.119	4.23	0.862	0.365	0.117	30.7	0.985		20	3
(T) URANIUM-232	82.3				88.7	88.7							

Laboratory Control Sample (LCS)

(LCS) R4217864-1 05/20/25 16:25									
Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier				
URANIUM-234	5.03	5.25	104	80.0-120					
URANIUM-238	4.90	5.81	119	80.0-120					
(T) URANIUM-232			89.1						

L1851392-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1851392-08 05/20/25 16:25 • (MS) R4217864-2 05/20/25 16:25									
Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier		
URANIUM-234	20.1	8.94	30.5	107	1	75.0-125			
URANIUM-238	19.6	5.76	27.9	113	1	75.0-125			
(T) URANIUM-232		40.4		75.2					

Method Blank (MB)

(MB) R4204804-2 04/24/25 20:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity,Carbonate	U		4.75	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1851387-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1851387-01 04/24/25 21:13 • (DUP) R4204804-3 04/24/25 21:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Carbonate	8.96	9.35	1	4.29	J	20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5 Headspace

L1851392-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1851392-05 04/24/25 23:00 • (DUP) R4204804-4 04/24/25 23:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Carbonate	U	U	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5 Headspace

WG2501988

Wet Chemistry by Method 353.2

QUALITY CONTROL SUMMARY

L1851392-01,02,03,04,05

Method Blank (MB)

(MB) R4207262-1 04/29/25 21:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0435	0.200

Laboratory Control Sample (LCS)

(LCS) R4207262-2 04/29/25 21:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.55	102	90.0-110	

L1850678-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850678-01 04/29/25 21:34 • (MS) R4207262-3 04/29/25 21:35 • (MSD) R4207262-4 04/29/25 21:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	U	2.59	2.60	104	104	1	90.0-110			0.385	20

L1851101-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851101-06 04/29/25 21:40 • (MS) R4207262-5 04/29/25 21:41 • (MSD) R4207262-6 04/29/25 21:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	2.40	4.90	5.03	100	105	1	90.0-110		E	2.62	20

WG2499437

Wet Chemistry by Method 9040C

QUALITY CONTROL SUMMARY

L1851392-01,02,03,04

L1849604-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1849604-02 04/25/25 17:00 • (DUP) R4205363-2 04/25/25 17:00

Analyte	Original Result		DUP Result		Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
	SU		SU					
pH	7.69		7.71		1	0.260		1

Sample Narrative:

OS: 7.69 at 21.1C

DUP: 7.71 at 21.5C

L1851431-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1851431-01 04/25/25 17:00 • (DUP) R4205363-3 04/25/25 17:00

Analyte	Original Result		DUP Result		Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
	SU		SU					
pH	7.60		7.59		1	0.132		1

Sample Narrative:

OS: 7.6 at 20.7C

DUP: 7.59 at 20.9C

Laboratory Control Sample (LCS)

(LCS) R4205363-1 04/25/25 17:00

Analyte	Spike Amount		LCS Result		LCS Rec.		Rec. Limits		LCS Qualifier
	SU		SU		%		%		
pH	10.0		9.97		99.7		99.0-101		

Sample Narrative:

LCS: 9.97 at 20.4C

WG2500194

Wet Chemistry by Method 9040C

QUALITY CONTROL SUMMARY

L1851392-05

L1851164-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1851164-01 04/26/25 08:55 • (DUP) R4205711-2 04/26/25 08:55

Analyte	Original Result		DUP Result		Dilution	DUP RPD %	DUP Qualifier		DUP RPD Limits %
	SU		SU						
pH	5.78		5.76		1	0.347			1

Sample Narrative:

OS: 5.78 at 20.5C

DUP: 5.76 at 20.5C

L1851723-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1851723-02 04/26/25 08:55 • (DUP) R4205711-3 04/26/25 08:55

Analyte	Original Result		DUP Result		Dilution	DUP RPD %	DUP Qualifier		DUP RPD Limits %
	SU		SU						
pH	7.28		7.23		1	0.689			1

Sample Narrative:

OS: 7.28 at 19.3C

DUP: 7.23 at 19.9C

Laboratory Control Sample (LCS)

(LCS) R4205711-1 04/26/25 08:55

Analyte	Spike Amount		LCS Result		LCS Rec.		Rec. Limits		LCS Qualifier	
	SU		SU		%		%			
pH	10.0		10.0		100		99.0-101			

Sample Narrative:

LCS: 10.01 at 20.6C

WG2499448

Wet Chemistry by Method 9050A

QUALITY CONTROL SUMMARY

L1851392-01,02,03,04,05

Method Blank (MB)

(MB) R4204813-1 04/24/25 23:01

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:
BLANK: at 25C

L1851387-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1851387-01 04/24/25 23:01 • (DUP) R4204813-3 04/24/25 23:01

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1730	1730	1	0.000		10

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4204813-2 04/24/25 23:01

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1070	94.5	85.0-115	

Sample Narrative:
LCS: at 25C

WG2499217

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

L1851392-01,02,03,04,05

Method Blank (MB)

(MB) R4207716-1 04/30/25 01:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	U		0.0761	0.150
Sulfate	U		0.637	5.00

L1851392-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1851392-02 04/30/25 07:14 • (DUP) R4207716-3 04/30/25 07:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.138	0.132	1	4.52	J	15

L1851392-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1851392-02 04/30/25 08:04 • (DUP) R4207716-6 04/30/25 08:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	116	119	10	3.17		15

L1851392-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1851392-04 04/30/25 08:54 • (DUP) R4207716-7 04/30/25 09:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	U	U	10	0.000		15
Sulfate	121	118	10	2.69		15

Sample Narrative:

OS: Dilution due to matrix impact on instrumentation at lower dilution

Laboratory Control Sample (LCS)

(LCS) R4207716-2 04/30/25 02:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	8.00	7.67	95.9	80.0-120	
Sulfate	40.0	38.5	96.1	80.0-120	



WG2499217

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

L1851392-01.02.03.04.05

L1851392-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851392-02 04/30/25 07:14 • (MS) R4207716-4 04/30/25 07:39 • (MSD) R4207716-5 04/30/25 07:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	0.138	7.65	7.67	93.9	1	80.0-120			0.283	15
Sulfate	40.0	120	128	127	20.3	1	80.0-120	E J6	E J6	0.314	15

L1851392-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1851392-04 04/30/25 08:54 • (MS) R4207716-8 04/30/25 09:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Fluoride	8.00	U	7.88	98.5	10	80.0-120	
Sulfate	40.0	121	128	16.9	10	80.0-120	J6

Sample Narrative:

OS: Dilution due to matrix impact on instrumentation at lower dilution

WG2500134

Mercury by Method 7470A

QUALITY CONTROL SUMMARY

L1851392-01.02.03.04.05

Method Blank (MB)

(MB) R4207102-1 04/29/25 12:59				
Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4207102-2 04/29/25 13:01				
Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %
Mercury,Dissolved	0.00300	0.00293	97.6	80.0-120

L1851242-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851242-04 04/29/25 13:04 • (MS) R4207102-4 04/29/25 13:09 • (MSD) R4207102-5 04/29/25 13:12									
Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	MSD Result mg/l	MSD Rec. %	Dilution	Rec. Limits %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00295	98.3	0.00292	97.2	1	75.0-125	20

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

WG2503257

Metals (ICP) by Method 6010D

QUALITY CONTROL SUMMARY

L1851392-01.02.03.04.05

Method Blank (MB)

(MB) R4208398-1 05/01/25 10:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic, Dissolved	U		0.00783	0.0100
Barium, Dissolved	U		0.000773	0.00500
Beryllium, Dissolved	U		0.000501	0.00200
Cadmium, Dissolved	U		0.000538	0.00200
Calcium, Dissolved	U		0.153	1.00
Chromium, Dissolved	U		0.00151	0.0100
Lead, Dissolved	U		0.00243	0.00600
Magnesium, Dissolved	U		0.101	1.00
Nickel, Dissolved	U		0.00196	0.0100
Potassium, Dissolved	U		0.624	2.00
Selenium, Dissolved	U		0.00616	0.0100
Sodium, Dissolved	U		0.444	3.00

Laboratory Control Sample (LCS)

(LCS) R4208398-2 05/01/25 10:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Dissolved	1.00	0.987	98.7	80.0-120	
Barium, Dissolved	1.00	1.04	104	80.0-120	
Beryllium, Dissolved	1.00	1.04	104	80.0-120	
Cadmium, Dissolved	1.00	0.982	98.2	80.0-120	
Calcium, Dissolved	10.0	10.0	100	80.0-120	
Chromium, Dissolved	1.00	1.03	103	80.0-120	
Lead, Dissolved	1.00	0.990	99.0	80.0-120	
Magnesium, Dissolved	10.0	10.1	101	80.0-120	
Nickel, Dissolved	1.00	0.971	97.1	80.0-120	
Potassium, Dissolved	10.0	10.0	100	80.0-120	
Selenium, Dissolved	1.00	0.956	95.6	80.0-120	
Sodium, Dissolved	10.0	10.6	106	80.0-120	

L1851242-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851242-01 05/01/25 10:46 • (MS) R4208398-4 05/01/25 10:49 • (MSD) R4208398-5 05/01/25 10:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic, Dissolved	1.00	U	1.03	1.01	1	75.0-125			113	20
Barium, Dissolved	1.00	0.0365	1.08	1.05	1	75.0-125			3.31	20
Beryllium, Dissolved	1.00	U	1.00	0.996	1	75.0-125			0.744	20

ACCOUNT:
Energy Fuels Resources

PROJECT:
SDG: L1851392

DATE/TIME:
05/30/25 07:44

PAGE:
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WG2503257

Metals (ICP) by Method 6010D

QUALITY CONTROL SUMMARY

L1851392-01,02,03,04,05

L1851242-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851242-01 05/01/25 10:46 • (MS) R4208398-4 05/01/25 10:49 • (MSD) R4208398-5 05/01/25 10:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Result %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cadmium, Dissolved	1.00	U	1.00	0.990	100	99.0	1	75.0-125			1.46	20
Calcium, Dissolved	10.0	192	200	201	76.2	85.8	1	75.0-125			0.475	20
Chromium, Dissolved	1.00	U	1.04	1.02	104	102	1	75.0-125			2.02	20
Lead, Dissolved	1.00	U	0.979	0.979	97.9	97.9	1	75.0-125			0.00173	20
Magnesium, Dissolved	10.0	104	112	113	81.9	91.3	1	75.0-125			0.834	20
Nickel, Dissolved	1.00	U	0.967	0.957	96.7	95.7	1	75.0-125			1.07	20
Potassium, Dissolved	10.0	3.24	13.3	13.2	101	99.6	1	75.0-125			0.757	20
Selenium, Dissolved	1.00	U	1.01	0.996	101	99.6	1	75.0-125			0.890	20
Sodium, Dissolved	10.0	15.3	23.6	24.3	83.2	90.5	1	75.0-125			3.05	20

ACCOUNT:
Energy Fuels Resources

PROJECT:

SDG:
L1851392

DATE/TIME:
05/30/25 07:44

PAGE:
40 of 45

WG2503274

Metals (ICPMS) by Method 6020B

QUALITY CONTROL SUMMARY

L1851392-01.02.03.04.05

Method Blank (MB)

(MB) R4208284-1 05/01/25 13:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony,Dissolved	U		0.000310	0.00400
Thallium,Dissolved	U		0.000130	0.00200
Uranium,Dissolved	U		0.000130	0.00100

Laboratory Control Sample (LCS)

(LCS) R4208284-2 05/01/25 13:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	0.0500	0.0533	107	80.0-120	
Thallium,Dissolved	0.0500	0.0506	101	80.0-120	
Uranium,Dissolved	0.0500	0.0507	101	80.0-120	

L1851514-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851514-02 05/01/25 13:26 • (MS) R4208284-4 05/01/25 13:32 • (MSD) R4208284-5 05/01/25 13:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	0.0500	U	0.0554	0.0552	111	110	1	75.0-125			0.298	20
Thallium,Dissolved	0.0500	U	0.0514	0.0505	103	101	1	75.0-125			1.81	20
Uranium,Dissolved	0.0500	0.00438	0.0560	0.0559	103	103	1	75.0-125			0.187	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

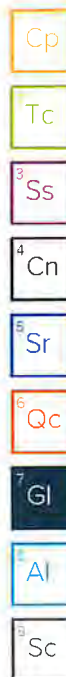
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RER	Replicate Error Ratio
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.
U	Below Detectable Limits: Indicates that the analyte was not detected.



ACCREDITATIONS & LOCATIONS

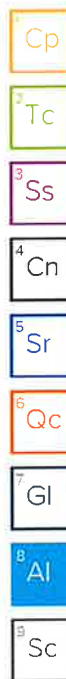
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

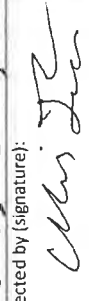
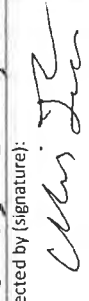
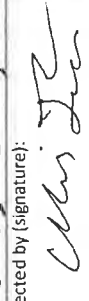
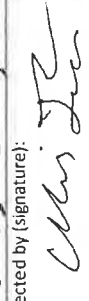
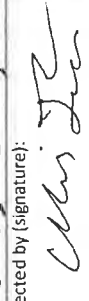
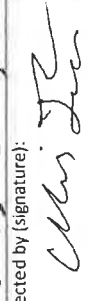
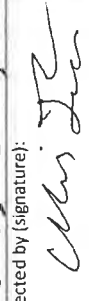
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Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: Energy Fuels Resources 225 Union Blvd Suite 600 Lakewood, CO 80228		Billing Information: Accounts Payable 225 Union Blvd Suite 600 Lakewood, CO 80228 Email To: KWeinel@energyfuels.com		Chain of Custody Page 1 of 1	
Report to: Kathy Weinel Pinyon Plain Mine GW Sampling		City/State Lakewood, CO		Analysis / Container / Preservative L2 L2 L2 L2 L2 L2	
Project Description: Pinyon Plain Mine GW Sampling		Client Project # ENEFUELCO-PINYONMINE		Pres Chk	
Phone: (303) 440-1234		Site/Facility ID # 123456		Sample ID MW-01-04222025	
Collected by (print): Chris Ferens		Quote # 12345		Remarks Sample # (lab only)	
Collected by (signature): 		Rush? (Lab MUST Be Notified) Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day ☐		Shipped Via: FedEx Ground	
Immediately Packed on Ice N ☐ Y ☒		Date Results Needed Date		Shipped Via: FedEx Ground	
Sample ID MW-01-04222025		Comp/Grab GW		Matrix * GW	
Sample ID MW-02-04232025		Comp/Grab GW		Matrix * GW	
Sample ID MW-03-04222025		Comp/Grab GW		Matrix * GW	
Sample ID MW-04-04232025		Comp/Grab GW		Matrix * GW	
Sample ID MW-05-04232025		Comp/Grab GW		Matrix * GW	
Sample ID MW-06-04222025		Comp/Grab NPW		Matrix * NPW	
Sample ID MW-07-04232025		Comp/Grab NPW		Matrix * NPW	
Sample ID MW-08-04222025		Comp/Grab NPW		Matrix * NPW	
Sample ID MW-09-04232025		Comp/Grab NPW		Matrix * NPW	
Sample ID MW-10-04232025		Comp/Grab NPW		Matrix * NPW	
Remarks: DO NOT SPLIT; keep all on 1 SDG.		Tracking # 123456789		Temp °C	
Relinquished by: (Signature) 		Date: 4/23/25		Received by: (Signature) 	
Relinquished by: (Signature) 		Date: 4/23/25		Received by: (Signature) 	
Relinquished by: (Signature) 		Date: 4/23/25		Received by: (Signature) 	

「井」

[illegible]

Andrew Barber Name

Name

Date _____



**Pinyon Plain
Field Form For Groundwater**

Well No.	MW-02
Sampler(s)	Kian Manning

Purge Date	
Sample Date	06/27/2025

WELL INFORMATION

Total Well Depth (ft)	1130
Casing Diameter (in)	6

Screened Interval (ft)	920 to 1130
Static water depth (ft)	

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	14:10	Time Completed	15:20
Pump Rate (gpm)	6.5		
Depth to Water after Purging (ft)			

Total Purge Time	70
Total Purge Volume	477.5898438

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (%)	Turbidity (NTU)
14:10	4821.25	0	15.7	649	7.19	0.9	3.97	172
14:25	4992.63	171.38	15.6	650	7.16	23.6	4.99	85.9
14:40	5092.81	271.56	15.5	649	7.22	44.1	7.24	32.4
14:55	5167.53	346.28	15.5	648	7.16	43.7	7.87	15.3
15:10	5242.11	420.86	15.3	653	7.16	42.0	5.84	26.0
15:20	5298.84	477.59	15.3	655	7.17	38.7	5.42	24.1
15:25			15.4	655	7.18	37.2	5.38	23.2
15:30			15.4	654	7.18	37.2	5.36	23.7

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
MW-02_06272025	06/27/2025	15:30	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

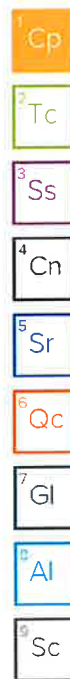
Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

Sample lost by Pace Labs



ANALYTICAL REPORT

June 25, 2025



Energy Fuels Resources

Sample Delivery Group: L1865032
Samples Received: 04/24/2025
Project Number:
Description: Pinyon Plain Mine GW Sampling

Report To: Kathy Weinel
225 Union Blvd
Suite 600
Lakewood, CO 80228

Entire Report Reviewed By:

Donna Eidson
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

Collected by

Collected date/time

Received date/time

MW-01_04222025 L1865032-01

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2530183	1	06/04/25 10:36	06/20/25 23:30	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2533696	1	06/09/25 06:11	06/11/25 18:38	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2530183	1	06/04/25 10:36	06/20/25 23:30	ASN	Mt. Juliet, TN

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

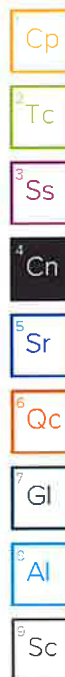
Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Donna Eidson
Project Manager



Method Blank (MB)

(MB) R4235460-1 06/09/25 17:54

Analyte	MB Result		MB Qualifier		MB 2 sigma CE		MB MDA		MB Lc	
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l	
Radium-226	0.0280		0.0672		0.134		0.0462			
(f) Barium	99.2		99.2							

L1864865-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1864865-02 06/09/25 18:55 • (DUP) R4235460-4 06/09/25 17:54

Analyte	Original Result		Original 2 sigma CE		Original MDA		Original Lc		DUP Result		DUP 2 sigma CE		DUP MDA		DUP Lc		DUP RPD		DUP RER		DUP Qualifier		DUP RPD Limits		DUP RER Limit	
	pCi/l		+ / -		pCi/l		pCi/l		pCi/l		+ / -		pCi/l		pCi/l		%		%				%			%
Radium-226	0.467		0.243		0.223		0.0681		0.731		0.427		0.431		0.131		44.1		0.538				20		3	
(f) Barium	95.8								99.1		99.1															

Laboratory Control Sample (LCS)

(LCS) R4235460-2 06/09/25 17:54

Analyte	Spike Amount		LCS Result		LCS Rec.		Rec. Limits		LCS Qualifier	
	pCi/l		pCi/l		%		%			
Radium-226	5.00		5.43		109		80.0-120			
(f) Barium					99.4					

L1864865-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1864865-01 06/09/25 18:55 • (MS) R4235460-3 06/09/25 17:54

Analyte	Spike Amount		Original Result		MS Result		MS Rec.		Dilution		Rec. Limits		MS Qualifier	
	pCi/l		pCi/l		pCi/l		%				%			
Radium-226	20.0		0.0835		23.1		115		1		75.0-125			
(f) Barium			99.5				98.9							

Radiochemistry by Method 904/9320

L1865032-01

(MB) R4229587-1 06/11/25 18:38

L1867556-25 Original Sample (OS) • Duplicate (DUP)

Laboratory Control Sample (LCS)

L1867555-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867555-22 06/11/25 18:38 • (MS) R4229587-3 06/11/25 18:38 • (MSD) R4229587-4 06/11/25 18:38																
Analyte	Spike Amount	Original Result	MS Result	pCi/l	MSD Result	MS Rec.	%	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	%	MS RER	RPD Limits
Radium-228	10.0	0.433	12.0	11.7	116	112		112	1	70.0-130			2.95			20
(7) Barium	94.8				95.0	108		108								
(7) Yttrium	102				98.9	90.3		90.3								

PAGE:
7 of 11

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

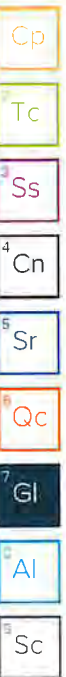
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity
Rec.	Recovery.
RER	Replicate Error Ratio
TPU	Total Propagated Uncertainty reported at 2 sigma (counting error plus all measurable variables).
Lc	Decision Level or Critical Level. DOE required Detection limit at a 68% confidence level
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate
U	Below Detectable Limits: Indicates that the analyte was not detected.



ACCREDITATIONS & LOCATIONS

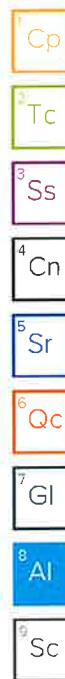
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



[illegible]

DC#_Title: Excel Form Template
Effective Date:

Multiple Parcel Form

#7

U8517a~

[illegible]

Whaley Barker

Name

Date _____

04/24/2025



PINYON PLAIN MINE WATER SAMPLING FIELD FORM

Sampling Event/Purpose: Quarterly GWS Date & Time: 7/17/25 1307

Sampling Location/Description: Sump Pump (Sump-1470)

Sample ID: Sump-1470-07172025 Sampler's Name: Kian Ramsey

Weather: overcast 75 °F

FIELD MEASUREMENTS

Conductance:	<u>1991</u>	Units:	<u>µS/cm</u>
pH:	<u>7.96</u>		<u>pH</u>
Temperature :	<u>17.0</u>		<u>°C</u>
Redox Potential:	<u>92.9</u>		<u>mV</u>
Turbidity:	<u>13.5</u>		<u>NTU</u>

Conductance:	Units:
pH:	
Temperature:	
Redox Potential:	
Turbidity:	

Notes/Comments:

Laboratory Name: _____
Date Shipped: _____

SUMP-1470_07172025

Collected date/time: 07/17/25 13:07

SAMPLE RESULTS - 01

L1880227

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1350		20.0	1	07/24/2025 11:21	WG2564887

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity, Carbonate	U		4.75	20.0	1	07/28/2025 11:40	WG2567785

Sample Narrative:

L1880227-01 WG2567785: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	97.8		0.870	4.00	20	07/25/2025 00:18	WG2566070

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.88	T8	1	07/29/2025 21:00	WG2568948

Sample Narrative:

L1880227-01 WG2568948: 7.88 at 20.7C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1990	umhos/cm		10.0	1	07/31/2025 23:20	WG2569025

Sample Narrative:

L1880227-01 WG2569025: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Fluoride	0.674	J	0.380	0.750	5	07/26/2025 20:28	WG2563213
Sulfate	571		12.7	100	20	07/26/2025 20:41	WG2563213

Sample Narrative:

L1880227-01 WG2563213: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.000971		0.0000700	0.000200	1	08/04/2025 11:30	WG2568112

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	18.1	V	0.00783	0.0100	1	08/03/2025 22:42	WG2568754
Barium	6.83	V	0.000773	0.00500	1	08/03/2025 22:42	WG2568754
Beryllium	0.00603		0.000501	0.00200	1	08/03/2025 22:42	WG2568754
Cadmium	0.0434		0.00269	0.0100	5	08/04/2025 03:19	WG2568754

SUMP-1470_07172025

Collected date/time: 07/17/25 13:07

SAMPLE RESULTS - 01

L1880227

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	460	V	0.153	1.00	1	08/03/2025 22:42	WG2568754
Chromium	0.0881		0.00151	0.0100	1	08/03/2025 22:42	WG2568754
Copper	64.8		0.0113	0.0500	5	08/04/2025 03:19	WG2568754
Iron	32.7		0.0205	0.100	1	08/03/2025 22:42	WG2568754
Lead	5.19		0.00243	0.00600	1	08/03/2025 22:42	WG2568754
Magnesium	202	V	0.101	1.00	1	08/03/2025 22:42	WG2568754
Manganese	0.951		0.00101	0.0100	1	08/03/2025 22:42	WG2568754
Nickel	6.42	V	0.00196	0.0100	1	08/03/2025 22:42	WG2568754
Potassium	27.5		0.624	2.00	1	08/03/2025 22:42	WG2568754
Selenium	0.0188		0.00616	0.0100	1	08/03/2025 22:42	WG2568754
Sodium	38.8		0.444	3.00	1	08/03/2025 22:42	WG2568754

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony	0.00856		0.000310	0.00400	1	08/24/2025 15:12	WG2573686
Thallium	0.0111		0.000130	0.00200	1	08/24/2025 15:12	WG2573686
Uranium	133		0.0650	0.500	500	08/24/2025 16:27	WG2573686
Vanadium	0.319		0.000520	0.00500	1	08/24/2025 15:12	WG2573686
Zinc	4.43		0.0800	0.500	20	08/24/2025 16:20	WG2573686

Cp

Tc

Ss

Cn

Sr

Qc

GI

Al

Sc

SUMP-1470_07172025

Collected date/time: 07/17/25 13:07

SAMPLE RESULTS - 02

L1880227

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	372000		1770	1770	36.9	15.2	07/30/2025 03:34	WG2566060

Cp

Tc

Ss

Cn

Sr

Qc

GI

AI

Sc

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	16100		48.2	48.3	0.360	0.124	08/16/2025 05:56	WG2567753
(T) Barium	112					30.0-143	08/16/2025 05:56	WG2567753

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	10.3		0.930	1.08	0.858	0.261	08/13/2025 16:12	WG2572329
(T) Barium	101					30.0-143	08/13/2025 16:12	WG2572329
(T) Yttrium	102					30.0-136	08/13/2025 16:12	WG2572329

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	343000				09/03/2025 10:33	WG2566060

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	15400		1810	1860	244	39.0	09/03/2025 10:33	WG2580848
URANIUM-235	3250		977	999	394	85.0	09/03/2025 10:33	WG2580848
URANIUM-238	13600		1700	1750	241	37.4	09/03/2025 10:33	WG2580848
(T) URANIUM-232	45.0					30.0-110	09/03/2025 10:33	WG2580848



**Pinyon Plain
Field Form For Groundwater**

Well No.	MW-01
Sampler(s)	

Purge Date	07/15/2025
Sample Date	07/15/2025

WELL INFORMATION

Total Well Depth (ft)	1148
Casing Diameter (in)	6

Screened Interval (ft)	920 to 1148
Static water depth (ft)	998.5

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	13:09	Time Completed	15:34
Pump Rate (gpm)	6.76		
Depth to Water after Purging (ft)			

Total Purge Time	145
Total Purge Volume	-4727.120117

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (%)	Turbidity (NTU)
13:09	5398.64	0	16.3	797	7.21	69.3	2.57	150
13:39	5528.25	129.61	15.4	756	7.30	-31.1	5.76	20.5
13:54	5571.93	173.29	15.5	750	7.31	36.3	5.25	23.8
14:54	5753.77	355.13	16.4	744	7.36	70.5	5.31	23.8
15:04	5786.68	388.04	15.3	754	7.38	72.6	5.34	19.7
15:14	5813.84	415.2	15.3	748	7.36	76.8	5.38	12.0
15:24	5840.33	441.69	15.4	743	7.36	77.6	5.41	11.42
15:34	671.52	-4727.12	15.4	746	7.37	78.1	5.43	9.32

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
MW-01_07152025	07/15/2025	15:35	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

MW-01_07152025

Collected date/time: 07/15/25 15:35

SAMPLE RESULTS - 06

L1880230

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	25.1		4.25	4.27	2.71	1.12	07/30/2025 03:34	WG2566060
GROSS BETA	5.28		2.02	2.03	2.34	1.12	07/30/2025 03:34	WG2566060

Cp

Tc

Ss

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	19.3		1.19	1.33	0.234	0.0888	08/16/2025 02:04	WG2567753
(T) Barium	98.9					30.0-143	08/16/2025 02:04	WG2567753

Cn

Sr

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.500	J	0.504	0.536	0.841	0.255	08/08/2025 12:32	WG2572329
(T) Barium	123					30.0-143	08/08/2025 12:32	WG2572329
(T) Yttrium	95.0					30.0-136	08/08/2025 12:32	WG2572329

Qc

GI

Al

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	3.98				08/08/2025 01:50	WG2566060

Sc

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	12.9		1.62	1.98	0.542	0.195	08/08/2025 01:50	WG2565238
URANIUM-235	1.97		0.788	0.926	0.612	0.203	08/08/2025 01:50	WG2565238
URANIUM-238	8.15		1.29	1.57	0.441	0.144	08/08/2025 01:50	WG2565238
(T) URANIUM-232	76.8					30.0-110	08/08/2025 01:50	WG2565238

MW-01_07152025

Collected date/time: 07/15/25 15:35

SAMPLE RESULTS - 06

L1896295

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	2.69		0.534	0.670	0.358	0.142	09/18/2025 01:40	WG2596514
(T) Barium	102					30.0-110	09/18/2025 01:40	WG2596514

Cp

Tc

Ss

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.02	J	0.768	0.815	1.26	0.409	09/22/2025 18:15	WG2597450
(T) Barium	88.2					30.0-110	09/22/2025 18:15	WG2597450
(T) Yttrium	101					30.0-110	09/22/2025 18:15	WG2597450

Cn

Sr

Qc

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Uranium	0.00860		0.000130	0.00100	1	09/19/2025 14:45	WG2600276

Gl

Al

Sc

MW-01_07152025

Collected date/time: 07/15/25 15:35

SAMPLE RESULTS - 01

L1880230

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	574		10.0	1	07/22/2025 18:10	WG2564333

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Alkalinity,Carbonate	U		4.75	20.0	1	07/28/2025 10:41	WG2567774

Sample Narrative:

L1880230-01 WG2567774: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0435	0.200	1	07/25/2025 00:20	WG2566070

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.61	T8	1	07/29/2025 21:00	WG2568948

Sample Narrative:

L1880230-01 WG2568948: 7.61 at 20.4C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis	Batch
						date / time	
Specific Conductance	853	umhos/cm		10.0	1	07/31/2025 23:20	WG2569025

Sample Narrative:

L1880230-01 WG2569025: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Fluoride	0.183		0.0761	0.150	1	07/26/2025 20:54	WG2563213
Sulfate	224		6.37	50.0	10	07/26/2025 21:47	WG2563213

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury,Dissolved	U		0.0000700	0.000200	1	07/25/2025 13:24	WG2565309

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic,Dissolved	0.0110		0.00783	0.0100	1	08/06/2025 23:28	WG2572910
Barium,Dissolved	0.0394		0.000773	0.00500	1	08/06/2025 23:28	WG2572910
Beryllium,Dissolved	U		0.000501	0.00200	1	08/06/2025 23:28	WG2572910
Cadmium,Dissolved	U		0.000538	0.00200	1	08/06/2025 23:28	WG2572910
Calcium,Dissolved	101		0.153	1.00	1	08/06/2025 23:28	WG2572910
Chromium,Dissolved	U		0.00151	0.0100	1	08/06/2025 23:28	WG2572910
Lead,Dissolved	U		0.00243	0.00600	1	08/06/2025 23:28	WG2572910



MW-01_07152025

SAMPLE RESULTS - 01

Collected date/time: 07/15/25 15:35

L1880230

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Magnesium,Dissolved	49.2		0.101	1.00	1	08/06/2025 23:28	WG2572910
Nickel,Dissolved	0.0355		0.00196	0.0100	1	08/06/2025 23:28	WG2572910
Potassium,Dissolved	1.74	J	0.624	2.00	1	08/06/2025 23:28	WG2572910
Selenium,Dissolved	U		0.00616	0.0100	1	08/06/2025 23:28	WG2572910
Sodium,Dissolved	2.81	J	0.444	3.00	1	08/06/2025 23:28	WG2572910

Cp

Tc

Ss

Cn

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	0.00243	J	0.000310	0.00400	1	08/21/2025 21:39	WG2572914
Thallium,Dissolved	0.00105	J	0.000130	0.00200	1	08/21/2025 21:39	WG2572914
Uranium,Dissolved	0.00918		0.000130	0.00100	1	08/21/2025 21:39	WG2572914

Sr

Qc

Gl

Al

Sc



**Pinyon Plain
Field Form For Groundwater**

Well No.	MW-02
Sampler(s)	

Purge Date	07/17/2025
Sample Date	07/17/2025

WELL INFORMATION

Total Well Depth (ft)	1130
Casing Diameter (in)	6

Screened Interval (ft)	920 to 1130
Static water depth (ft)	995.45

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	12:18	Time Completed	14:03
Pump Rate (gpm)	7.10		
Depth to Water after Purging (ft)			

Total Purge Time	105
Total Purge Volume	549.1298828

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (%)	Turbidity (NTU)
12:18	9381.62	0	15.1	342.2	7.07	-57.1	0.32	75.7
13:18	9747.67	366.05	15.4	623	7.25	13.6	7.58	9.20
13:48	9882.19	500.57	15.2	644	7.26	8.9	5.73	12.9
13:58	9913.38	531.76	15.3	644	7.26	8.9	5.73	12.9
14:03	9930.75	549.13	15.2	645	7.27	8.4	6.03	13.2

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
MW-02_07172025	07/17/2025	14:06	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

MW-02_07172025

Collected date/time: 07/17/25 14:06

SAMPLE RESULTS - 02

L1880230

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	405		10.0	1	07/24/2025 11:21	WG2564887

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity, Carbonate	U		4.75	20.0	1	07/28/2025 12:38	WG2567774

Sample Narrative:

L1880230-02 WG2567774: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0435	0.200	1	07/25/2025 00:21	WG2566070

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.83	T8	1	07/29/2025 21:00	WG2568948

Sample Narrative:

L1880230-02 WG2568948: 7.83 at 20.1C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	666	umhos/cm		10.0	1	07/31/2025 23:20	WG2569025

Sample Narrative:

L1880230-02 WG2569025: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Fluoride	0.138	J	0.0761	0.150	1	07/26/2025 22:14	WG2563213
Sulfate	112		3.18	25.0	5	07/26/2025 22:55	WG2563213

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury, Dissolved	U		0.0000700	0.000200	1	07/25/2025 13:27	WG2565309

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic, Dissolved	0.0428		0.00783	0.0100	1	08/06/2025 23:30	WG2572910
Barium, Dissolved	0.0506		0.000773	0.00500	1	08/06/2025 23:30	WG2572910
Beryllium, Dissolved	U		0.000501	0.00200	1	08/06/2025 23:30	WG2572910
Cadmium, Dissolved	U		0.000538	0.00200	1	08/06/2025 23:30	WG2572910
Calcium, Dissolved	80.2		0.153	1.00	1	08/06/2025 23:30	WG2572910
Chromium, Dissolved	0.00169	J	0.00151	0.0100	1	08/06/2025 23:30	WG2572910
Lead, Dissolved	U		0.00243	0.00600	1	08/06/2025 23:30	WG2572910



MW-02_07172025

SAMPLE RESULTS - 02

Collected date/time: 07/17/25 14:06

L1880230

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Magnesium,Dissolved	37.9		0.101	1.00	1	08/06/2025 23:30	WG2572910
Nickel,Dissolved	0.0100		0.00196	0.0100	1	08/06/2025 23:30	WG2572910
Potassium,Dissolved	1.60	J	0.624	2.00	1	08/06/2025 23:30	WG2572910
Selenium,Dissolved	U		0.00616	0.0100	1	08/06/2025 23:30	WG2572910
Sodium,Dissolved	2.43	J	0.444	3.00	1	08/06/2025 23:30	WG2572910

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	U		0.000310	0.00400	1	08/21/2025 21:52	WG2572914
Thallium,Dissolved	0.000574	J	0.000130	0.00200	1	08/21/2025 21:52	WG2572914
Uranium,Dissolved	0.00725		0.000130	0.00100	1	08/21/2025 21:52	WG2572914

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-02_07172025

Collected date/time: 07/17/25 14:06

SAMPLE RESULTS - 07

L1880230

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	20.3		3.11	3.12	1.79	0.737	07/30/2025 03:34	WG2566060
GROSS BETA	5.80		1.88	1.89	2.09	1.00	07/30/2025 03:34	WG2566060

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	4.87		0.878	1.02	0.310	0.0947	07/31/2025 18:02	WG2567753
(T) Barium	91.6					30.0-143	07/31/2025 18:02	WG2567753

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.05	J	0.708	0.755	1.16	0.356	08/08/2025 12:32	WG2572329
(T) Barium	126					30.0-143	08/08/2025 12:32	WG2572329
(T) Yttrium	95.8					30.0-136	08/08/2025 12:32	WG2572329

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	8.02				08/08/2025 01:50	WG2566060

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	9.10		1.31	1.55	0.456	0.157	08/08/2025 01:50	WG2565238
URANIUM-235	0.536	J	0.461	0.519	0.559	0.184	08/08/2025 01:50	WG2565238
URANIUM-238	3.16		0.781	0.923	0.394	0.127	08/08/2025 01:50	WG2565238
(T) URANIUM-232	81.2					30.0-110	08/08/2025 01:50	WG2565238

Cp

Tc

Ss

Cn

Sr

Qc

GI

AI

Sc

MW-02_07172025

Collected date/time: 07/17/25 14:06

SAMPLE RESULTS - 07

L1896295

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	2.59		0.522	0.660	0.312	0.118	09/18/2025 01:40	WG2596514
(T) Barium	99.0					30.0-110	09/18/2025 01:40	WG2596514

Cp

Tc

Ss

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.333	<u>U</u>	0.590	0.616	1.01	0.326	09/22/2025 18:15	WG2597450
(T) Barium	106					30.0-110	09/22/2025 18:15	WG2597450
(T) Yttrium	101					30.0-110	09/22/2025 18:15	WG2597450

Cn

Sr

Qc

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Uranium	0.00676		0.000130	0.00100	1	09/19/2025 14:48	WG2600276

Gl

Al

Sc



Pinyon Plain
Field Form For Groundwater

Well No.	MW-03
Sampler(s)	

Purge Date	7/16/2025 0:00
Sample Date	07/16/2025

WELL INFORMATION

Total Well Depth (ft)	1145
Casing Diameter (in)	6

Screened Interval (ft)	920 to 1145
Static water depth (ft)	956.64

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	12:25	Time Completed	16:40
Pump Rate (gpm)	5.24		
Depth to Water after Purging (ft)			

Total Purge Time	255
Total Purge Volume	785.6601563

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (%)	Turbidity (NTU)
12:25	7230.42	0	14.3	1492	6.92	-142.1	0.09	13.7
13:25	7527.50	297.08	15.2	1500	6.75	-101.5	0.23	36.1
14:25	7696.82	466.4	15.4	737	6.69	-74.1	0.85	6.99
15:25	7824.47	594.05	15.3	1481	6.84	-111.7	1.12	20.0
15:55	7919.19	688.77	15.2	1497	6.75	-92.3	1.28	5.67
16:05	7925.93	695.51	15.3	1498	6.72	-94.3	1.35	2.76
16:15	7952.82	722.4	15.2	1501	6.73	-93.7	1.41	3.02
16:25	7978.15	747.73	15.3	1496	6.72	-92.9	1.44	2.83
16:35	8001.10	770.68	15.3	1499	6.74	-93.2	1.50	3.47
16:40	8016.08	785.66	15.2	1493	6.71	-92.4	1.54	2.98

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
MW-03_07162025	07/16/2025	16:43	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

MW-03_07162025

Collected date/time: 07/16/25 16:43

SAMPLE RESULTS - 03

L1880230

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1190		20.0	1	07/23/2025 13:56	WG2564413

Wet Chemistry by Method 2320 B-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Alkalinity,Carbonate	U		4.75	20.0	1	07/28/2025 10:51	WG2567785

Sample Narrative:

L1880230-03 WG2567785: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0435	0.200	1	07/25/2025 00:22	WG2566070

Wet Chemistry by Method 9040C

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.14	T8	1	07/29/2025 21:00	WG2568948

Sample Narrative:

L1880230-03 WG2568948: 7.14 at 20.4C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1510	umhos/cm		10.0	1	07/31/2025 23:20	WG2569025

Sample Narrative:

L1880230-03 WG2569025: at 25C

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Fluoride	U		0.380	0.750	5	07/26/2025 23:21	WG2563213
Sulfate	715		12.7	100	20	07/26/2025 23:35	WG2563213

Sample Narrative:

L1880230-03 WG2563213: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	U		0.0000700	0.000200	1	07/25/2025 13:29	WG2565309

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.0207		0.00783	0.0100	1	08/06/2025 23:32	WG2572910
Barium,Dissolved	0.00705		0.000773	0.00500	1	08/06/2025 23:32	WG2572910
Beryllium,Dissolved	U		0.000501	0.00200	1	08/06/2025 23:32	WG2572910
Cadmium,Dissolved	U		0.000538	0.00200	1	08/06/2025 23:32	WG2572910



MW-03_07162025

SAMPLE RESULTS - 03

Collected date/time: 07/16/25 16:43

L1880230

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium,Dissolved	202		0.153	1.00	1	08/06/2025 23:32	WG2572910
Chromium,Dissolved	U		0.00151	0.0100	1	08/06/2025 23:32	WG2572910
Lead,Dissolved	0.00249	J	0.00243	0.00600	1	08/06/2025 23:32	WG2572910
Magnesium,Dissolved	90.8		0.101	1.00	1	08/06/2025 23:32	WG2572910
Nickel,Dissolved	0.244		0.00196	0.0100	1	08/06/2025 23:32	WG2572910
Potassium,Dissolved	2.44		0.624	2.00	1	08/06/2025 23:32	WG2572910
Selenium,Dissolved	U		0.00616	0.0100	1	08/06/2025 23:32	WG2572910
Sodium,Dissolved	4.43		0.444	3.00	1	08/06/2025 23:32	WG2572910

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	U		0.000310	0.00400	1	08/21/2025 21:55	WG2572914
Thallium,Dissolved	U		0.000130	0.00200	1	08/21/2025 21:55	WG2572914
Uranium,Dissolved	0.0230		0.000130	0.00100	1	08/21/2025 21:55	WG2572914

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

MW-03_07162025

Collected date/time: 07/16/25 16:43

SAMPLE RESULTS - 08

L1880230

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	25.0		6.04	6.08	4.39	1.74	07/30/2025 03:34	WG2566060
GROSS BETA	7.71		4.22	4.26	5.08	2.41	07/30/2025 03:34	WG2566060

Cp

Tc

Ss

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	2.99		0.683	0.820	0.455	0.172	07/31/2025 19:02	WG2567753
(T) Barium	99.5					30.0-143	07/31/2025 19:02	WG2567753

Cn

Sr

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.425	J	0.572	0.602	0.970	0.304	08/08/2025 16:55	WG2572529
(T) Barium	80.2					30.0-143	08/08/2025 16:55	WG2572529
(T) Yttrium	110					30.0-136	08/08/2025 16:55	WG2572529

Qc

Gl

Al

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	6.67				08/19/2025 16:24	WG2566060

Sc

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	9.65		1.29	1.59	0.454	0.163	08/19/2025 16:24	WG2580848
URANIUM-235	0.137	U	0.314	0.350	0.510	0.169	08/19/2025 16:24	WG2580848
URANIUM-238	8.70		1.21	1.50	0.369	0.120	08/19/2025 16:24	WG2580848
(T) URANIUM-232	91.8					30.0-110	08/19/2025 16:24	WG2580848



Pinyon Plain
Field Form For Groundwater

Well No.	RW-01
Sampler(s)	

Purge Date	07/17/2025
Sample Date	07/17/2025

WELL INFORMATION

Total Well Depth (ft)	3086
Casing Diameter (in)	8

Screened Interval (ft)	2584 to 2960
Static water depth (ft)	2525

PURGE INFORMATION AND FIELD MEASUREMENTS

Purge Method	3 Casings		
Time Started	14:55	Time Completed	14:55
Pump Rate (gpm)	34.24		
Depth to Water after Purging (ft)			

Total Purge Time	0
Total Purge Volume	0

Time	Totalizer	Volume Purged (gals)	Temp (C)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (%)	Turbidity (NTU)
14:55	210170.4	0	22.1	400.8	7.27	-15.5	1.47	34.6
15:40			24.7	341.3	7.24	-19.1	1.39	3.55
15:50			24.9	334.9	7.23	-19.1	1.37	6.07
15:55			24.9	337.7	7.22	-18.6	1.41	3.62
16:00			25.0	340.1	7.22	-18.1	1.45	4.19
16:05			24.9	338.2	7.22	-18.4	1.48	3.91

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
MW-01_07172025	07/17/2025	16:08	

Water column height = total depth of the well - measured depth to water

Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

RW-01_07172025

Collected date/time: 07/17/25 16:08

SAMPLE RESULTS - 05

L1880230

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l			
Dissolved Solids	241		10.0	1	07/24/2025 11:21	WG2564887

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Wet Chemistry by Method 2320 B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Alkalinity,Carbonate	U		4.75	20.0	1	07/28/2025 11:54	WG2567785

Sample Narrative:

L1880230-05 WG2567785: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Nitrate-Nitrite	0.101	J	0.0435	0.200	1	07/25/2025 00:31	WG2566070

Wet Chemistry by Method 9040C

	Result	Qualifier	Dilution	Analysis date / time	Batch
Analyte	su				
pH	7.93	T8	1	07/29/2025 21:00	WG2568948

Sample Narrative:

L1880230-05 WG2568948: 7.93 at 20.7C

Wet Chemistry by Method 9050A

	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte							
Specific Conductance	466	umhos/cm		10.0	1	07/31/2025 23:20	WG2569025

Sample Narrative:

L1880230-05 WG2569025: at 25C

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Fluoride	0.307		0.0761	0.150	1	07/27/2025 00:42	WG2563213
Sulfate	19.3		0.637	5.00	1	07/27/2025 00:42	WG2563213

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Mercury,Dissolved	U		0.0000700	0.000200	1	07/25/2025 13:39	WG2565309

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l	mg/l			
Arsenic,Dissolved	U		0.00783	0.0100	1	08/06/2025 22:51	WG2572910
Barium,Dissolved	0.0840		0.000773	0.00500	1	08/06/2025 22:51	WG2572910
Beryllium,Dissolved	U		0.000501	0.00200	1	08/06/2025 22:51	WG2572910
Cadmium,Dissolved	0.000722	B J	0.000538	0.00200	1	08/06/2025 22:51	WG2572910
Calcium,Dissolved	40.9		0.153	1.00	1	08/06/2025 22:51	WG2572910
Chromium,Dissolved	U		0.00151	0.0100	1	08/06/2025 22:51	WG2572910
Lead,Dissolved	U		0.00243	0.00600	1	08/06/2025 22:51	WG2572910

RW-01_07172025

SAMPLE RESULTS - 05

Collected date/time: 07/17/25 16:08

L1880230

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch	¹ Cp
Magnesium,Dissolved	28.6		0.101	1.00	1	08/06/2025 22:51	WG2572910	² Tc
Nickel,Dissolved	0.0193		0.00196	0.0100	1	08/06/2025 22:51	WG2572910	³ Ss
Potassium,Dissolved	2.61		0.624	2.00	1	08/06/2025 22:51	WG2572910	⁴ Cn
Selenium,Dissolved	U		0.00616	0.0100	1	08/06/2025 22:51	WG2572910	⁵ Sr
Sodium,Dissolved	7.08		0.444	3.00	1	08/06/2025 22:51	WG2572910	⁶ Qc

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch	⁷ Gl
Antimony,Dissolved	U		0.000310	0.00400	1	08/21/2025 22:01	WG2572914	⁸ Al
Thallium,Dissolved	U		0.000130	0.00200	1	08/21/2025 22:01	WG2572914	⁹ Sc
Uranium,Dissolved	0.0147		0.000130	0.00100	1	08/21/2025 22:01	WG2572914	

RW-01_07172025

Collected date/time: 07/17/25 16:08

SAMPLE RESULTS - 10

L1880230

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	20.5		2.34	2.35	0.983	0.396	07/30/2025 03:34	WG2566060
GROSS BETA	5.23		1.34	1.35	1.33	0.630	07/30/2025 03:34	WG2566060

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	27.8		1.43	1.56	0.182	0.0627	08/16/2025 02:04	WG2567753
(T) Barium	101					30.0-143	08/16/2025 02:04	WG2567753

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.893	J	0.711	0.752	1.17	0.373	08/13/2025 10:55	WG2573659
(T) Barium	107					30.0-143	08/13/2025 10:55	WG2573659
(T) Yttrium	84.3					30.0-136	08/13/2025 10:55	WG2573659

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	0.000				08/08/2025 01:50	WG2566060

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	11.3		1.38	1.75	0.349	0.110	08/21/2025 19:10	WG2565238
URANIUM-235	0.392	J	0.383	0.452	0.487	0.157	08/21/2025 19:10	WG2565238
URANIUM-238	4.96		0.922	1.17	0.349	0.110	08/21/2025 19:10	WG2565238
(T) URANIUM-232	89.9					30.0-110	08/21/2025 19:10	WG2565238

Cp

Tc

Ss

Cn

Sr

Qc

GI

Al

Sc

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	1.68		0.430	0.567	0.335	0.131	09/18/2025 01:40	WG2596514
(T) Barium	105					30.0-110	09/18/2025 01:40	WG2596514

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.81	J	1.11	1.18	1.81	0.570	09/19/2025 12:08	WG2599346
(T) Barium	131	C1				30.0-110	09/19/2025 12:08	WG2599346
(T) Yttrium	99.0					30.0-110	09/19/2025 12:08	WG2599346

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Radiochemistry by Method 900

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
GROSS ALPHA	19.9		2.44	2.45	1.08	0.435	09/23/2025 19:31	WG2604205
GROSS BETA	2.92		1.31	1.32	1.40	0.663	09/23/2025 19:31	WG2604205

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	2.17		0.648	0.786	0.534	0.203	09/24/2025 01:51	WG2604089
(T) Barium	98.1					30.0-110	09/24/2025 01:51	WG2604089

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.722	J	0.713	0.750	1.19	0.381	10/08/2025 13:03	WG2607695
(T) Barium	103					30.0-110	10/08/2025 13:03	WG2607695
(T) Yttrium	94.5					30.0-110	10/08/2025 13:03	WG2607695

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Adjusted Gross Alpha	4.61				09/23/2025 19:31	WG2604205

Radiochemistry by Method D3972 U-02

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
URANIUM-234	10.1		1.27	1.52	0.406	0.143	09/18/2025 23:40	WG2602853
URANIUM-235	0.0846	U	0.272	0.295	0.470	0.153	09/18/2025 23:40	WG2602853
URANIUM-238	5.21		0.917	1.10	0.348	0.113	09/18/2025 23:40	WG2602853
(T) URANIUM-232	94.7					30.0-110	09/18/2025 23:40	WG2602853

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



CANYON MINE WATER SAMPLING FIELD FORM

Sampling Event/Purpose: GW Q4 2025

Sampling Location/Description: R. Sump 11:15

Sample ID: Sump-1470-10222025 Sampler's Name: Chris Ferens

Weather: Cloudy

FIELD MEASUREMENTS

Conductance: 1502 Units: _____

pH: 7.49

Temperature: ~~12.1~~ 12.1°C

Redox Potential: -16.2

Turbidity: - out of range

Conductance: _____ Units: _____

pH: _____

Temperature: _____

Redox Potential: _____

Turbidity: _____

Notes/Comments: _____

Laboratory Name: ACZ

Date Shipped: 10/23/25

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: SUMP-1470_10222025

ACZ Sample ID: **L97900-01**
Date Sampled: 10/22/25 11:15
Date Received: 10/24/25
Sample Matrix: Groundwater

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Total Hot Block Digestion ICP	EPA 200.2				*				10/29/25 13:20	smw
Total Hot Block Digestion ICP-MS	EPA 200.2				*				10/28/25 18:30	sjs

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, total	EPA 200.8	50	0.357			mg/L	0.02	0.1	10/30/25 18:55	jrj
Arsenic, total	EPA 200.8	2000	214			mg/L	0.4	2	11/03/25 13:33	aps
Barium, total	EPA 200.7	10	109			mg/L	0.09	0.35	10/31/25 21:36	wtc
Beryllium, total	EPA 200.8	2000	<0.2	U	*	mg/L	0.2	0.5	11/03/25 13:33	aps
Cadmium, total	EPA 200.8	50	0.685			mg/L	0.0025	0.0125	10/30/25 18:55	jrj
Calcium, total	EPA 200.7	10	1550			mg/L	2	5	10/31/25 21:36	wtc
Chromium, total	EPA 200.7	10	0.962			mg/L	0.2	0.5	10/31/25 21:36	wtc
Copper, total	EPA 200.7	20	1090			mg/L	0.4	1	11/01/25 16:01	wtc
Iron, total	EPA 200.7	10	649			mg/L	0.9	1.5	10/31/25 21:36	wtc
Lead, total	EPA 200.8	50	49.7			mg/L	0.005	0.025	10/30/25 18:55	jrj
Magnesium, total	EPA 200.7	10	846			mg/L	2	10	10/31/25 21:36	wtc
Manganese, total	EPA 200.8	50	4.97		*	mg/L	0.02	0.1	10/30/25 18:55	jrj
Mercury, total	EPA 245.1	10	0.0600			mg/L	0.002	0.01	11/05/25 13:00	rjw
Nickel, total	EPA 200.7	10	78.4			mg/L	0.08	0.4	10/31/25 21:36	wtc
Potassium, total	EPA 200.7	10	205			mg/L	5	10	10/31/25 21:36	wtc
Selenium, total	EPA 200.8	2000	0.297	B	*	mg/L	0.2	0.5	11/03/25 13:33	aps
Sodium, total	EPA 200.7	10	38.3			mg/L	2	10	10/31/25 21:36	wtc
Thallium, total	EPA 200.8	50	0.262			mg/L	0.005	0.025	10/30/25 18:55	jrj
Uranium, total	EPA 200.8	2000	484			mg/L	0.2	1	11/03/25 13:33	aps
Vanadium, total	EPA 200.8	50	2.52		*	mg/L	0.025	0.1	10/30/25 18:55	jrj
Zinc, total	EPA 200.8	50	96.8			mg/L	0.3	0.75	10/30/25 18:55	jrj

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: SUMP-1470_10222025

ACZ Sample ID: **L97900-01**
Date Sampled: 10/22/25 11:15
Date Received: 10/24/25
Sample Matrix: Groundwater

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM 2320 B-2011									
Bicarbonate as CaCO ₃		1	156			mg/L	2	20	11/05/25 0:00	jck
Carbonate as CaCO ₃		1	39.8			mg/L	2	20	11/05/25 0:00	jck
Hydroxide as CaCO ₃		1	<2	U		mg/L	2	20	11/05/25 0:00	jck
Total Alkalinity		1	196		*	mg/L	2	20	11/05/25 0:00	jck
Conductivity @25C	SM 2510 B-2011	1	1520		*	umhos/cm	1	10	11/05/25 10:04	jck
Fluoride	SM 4500-F C-2011	4	<0.6	U	*	mg/L	0.6	1.4	11/12/25 21:15	cm
Lab Filtration (0.45um filter)	SOPWC050	1							11/12/25 16:09	cm
Nitrate/Nitrite as N	EPA 353.2	25	30.0		*	mg/L	0.5	2.5	11/08/25 23:20	pjb
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.0	H	*	units	0.1	0.1	11/05/25 0:00	jck
pH measured at		1	20.1			C	0.1	0.1	11/05/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	10	1260			mg/L	200	400	10/29/25 15:27	nls
Sulfate	ASTM D516-07/-11/-16	50	560		*	mg/L	50	250	11/17/25 12:19	jqr

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.

Project ID:

Sample ID: SUMP-1470_10222025

Locator:

ACZ Sample ID: **L97900-01**

Date Sampled: 10/22/25 11:15

Date Received: 10/24/25

Sample Matrix: Groundwater

Gross Alpha Total, corrected
Calculation

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha Total, corrected	12/16/25 11:17		1100000			pCi/L		calc

Gross Alpha, total
EPA 900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, total	10/31/25 0:31		1100000	11000	940	pCi/L	*	tlc/msm

Radium 226, total
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, total	12/16/25 0:20		54000	89	4.5	pCi/L	*	ksl

Radium 228, total
EPA 904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, total	12/01/25 18:57		1800	52	34	pCi/L	*	tlc

Uranium, Isotopic Total
EICHROM ACW03

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234, total	12/12/25 13:48		13700	6500	200	pCi/L	*	ksl
Uranium 235, total	12/12/25 13:48		730	400	220	pCi/L	*	ksl
Uranium 238, total	12/12/25 13:48		11100	5300	150	pCi/L	*	ksl

Arizona license number: AZ0102

ENERGY FUELS GROUNDWATER SAMPLING FORM

Project Name: Phylon Plain 4Q 2025 Date: 10/21/25
 Sampler(s): Chris Forens Well No.: MW-01

WELL INFORMATION

Total Well Depth (ft.): 1148 Screened Interval (ft.): 1002.40
 Casing Diameter (in.): 6 Static Depth to Water (ft.): 1002.40

PURGE INFORMATION AND FIELD MEASUREMENTS

Time Started: 1257 Time Completed: 1614 Total Purge Time: 2hr 48 min
 Purge Method: Volumetric Pump Placement: before sample
 Pump Type: Submersible, dedicated Total Purge Volume: 642
 Pump Rate: 3.25 (gpm) Calculated Time to Purge 3 Volumes: (mins)
 Depth to Water after Purging (if not dry): (ft.)
 Depth to Water After Recovery (if well purged dry): (ft.)

DO?

Time	Totalizer Volume Purged (gals)	Temp (°C / °F)	Conductivity (µS/cm)	pH (SU)	ORP (mV)	DO (mg/L %)	Turbidity (NTU)	Location before start
1257	12680							
1332	12900	15.2	777	7.09	32	4.21		42
1356	12982	15.3	774	7.17	45	5.84	28.2	54
1415	13050	15.0	775	7.19	53.2	5.36	21.6	54
1433	13110	15.2	777	7.21	56	6.05	24	62
1450	13165	15.3	781	7.23	58	6.80	28	56
1515	13243	15.3	783	7.26	61.1	6.61	17.1	66
1522	13263	15.2	785	7.25	62.0	5.10	23.4	50.8
1526	13275	15.2	783	7.26	62.8	5.15	25.1	57.4
1530	13288	15.2	782	7.27	63.8	5.21	24.2	52.2
1538	13312	15.2	781	7.27	65.0	4.42		49.1
1540	13318	15.2	781	7.27	64.9	4.90	12.5	49
1614	13416	Turn off generator						
	747	gallons pumped						

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
MW-01_10212025	10/21/25	1545	AD&A Dup'd MW-01

Water column height = total depth of the well - measured depth to water

Casing Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)

Redwell Volume Calculation = 1.5 gallons per foot X 461 ft. based on a H₂O of 3086-2525 historic water level

$$1148 - 1002.4 = 145.6$$

$$\times 1.47 = 214$$

$$13416 - 214 = 13202$$

Energy Fuels Resources (USA) Inc.

Project ID:

Sample ID: MW-01_10212025

ACZ Sample ID: **L97899-01**

Date Sampled: 10/21/25 15:45

Date Received: 10/24/25

Sample Matrix: Groundwater

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um) & Acidification	EPA 200.7/200.8/3005A Filter								11/04/25 14:00	jrj

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, dissolved	EPA 200.8	1	0.00269			mg/L	0.0004	0.002	11/06/25 13:33	aps
Arsenic, dissolved	EPA 200.8	1	0.0126			mg/L	0.0002	0.001	11/06/25 13:33	aps
Barium, dissolved	EPA 200.7	1	0.0477			mg/L	0.009	0.035	11/07/25 17:52	wtc
Beryllium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	11/06/25 13:33	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	11/06/25 13:33	aps
Calcium, dissolved	EPA 200.7	1	96.3			mg/L	0.2	0.5	11/07/25 17:52	wtc
Chromium, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	11/10/25 13:54	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	11/06/25 13:33	aps
Magnesium, dissolved	EPA 200.7	1	50.4			mg/L	0.2	1	11/07/25 17:52	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	11/06/25 13:46	rjw
Nickel, dissolved	EPA 200.7	1	0.0353	B		mg/L	0.008	0.04	11/07/25 17:52	wtc
Potassium, dissolved	EPA 200.7	1	1.95			mg/L	0.5	1	11/07/25 17:52	wtc
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	11/06/25 13:33	aps
Sodium, dissolved	EPA 200.7	1	3.15			mg/L	0.2	1	11/07/25 17:52	wtc
Thallium, dissolved	EPA 200.8	1	0.00110			mg/L	0.0001	0.0005	11/06/25 13:33	aps
Uranium, dissolved	EPA 200.8	1	0.00924			mg/L	0.0001	0.0005	11/06/25 13:33	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	198			mg/L	2	20	10/31/25 0:00	jck
Carbonate as CaCO3		1	43.0			mg/L	2	20	10/31/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	10/31/25 0:00	jck
Total Alkalinity		1	241			mg/L	2	20	10/31/25 0:00	jck
Conductivity @25C	SM 2510 B-2011	1	789			umhos/cm	1	10	10/31/25 11:41	jck
Fluoride	SM 4500-F C-2011	1	0.20	B		mg/L	0.15	0.35	11/12/25 20:35	cm
Lab Filtration (0.45um filter)	SOPWC050	1							11/12/25 15:46	cm
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	11/08/25 1:46	pjb
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.0	H		units	0.1	0.1	10/31/25 0:00	jck
pH measured at		1	19.5			C	0.1	0.1	10/31/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	550		*	mg/L	20	40	10/28/25 16:27	nls
Sulfate	ASTM D516-07/-11/-16	25	235		*	mg/L	25	125	11/14/25 11:19	jqr

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.

Project ID:

Sample ID: MW-01_10212025

Locator:

ACZ Sample ID: **L97899-01**

Date Sampled: 10/21/25 15:45

Date Received: 10/24/25

Sample Matrix: Groundwater

Combined Radium (total)

Prep Method:

Calculation (RA226 + RA228)

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium (total)	11/20/25 7:46		2.2			pCi/L		calc

Gross Alpha Total, corrected

Prep Method:

Calculation

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha Total, corrected	11/20/25 7:47		4.4			pCi/L		calc

Gross Alpha, total

Prep Method:

EPA 900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, total	10/31/25 0:23		15	5.3	8.3	pCi/L	*	tlc/msm

Radium 226, total

Prep Method:

EPA 903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, total	12/16/25 0:12		2.2	0.18	0.38	pCi/L	*	ksl

Radium 228, total

Prep Method:

EPA 904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, total	12/01/25 18:57		1.9	0.94	2.3	pCi/L	*	tlc

Uranium, Isotopic Total

Prep Method:

EICHROM ACW03

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234, total	12/02/25 8:05		6.63	2.3	2.5	pCi/L	*	amk
Uranium 235, total	12/02/25 8:05		-1.04	1.2	2.7	pCi/L	*	amk
Uranium 238, total	12/02/25 8:05		4.01	1.6	1.6	pCi/L	*	amk

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.

Project ID:

Sample ID: MW-02_10212025

ACZ Sample ID: **L97899-02**

Date Sampled: 10/21/25 11:30

Date Received: 10/24/25

Sample Matrix: Groundwater

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um) & Acidification	EPA 200.7/200.8/3005A Filter								11/04/25 14:00	jrj

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, dissolved	EPA 200.8	1	<0.0004	U		mg/L	0.0004	0.002	11/06/25 13:35	aps
Arsenic, dissolved	EPA 200.8	1	0.0426			mg/L	0.0002	0.001	11/06/25 13:35	aps
Barium, dissolved	EPA 200.7	1	0.0529			mg/L	0.009	0.035	11/07/25 18:01	wtc
Beryllium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	11/06/25 13:35	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	11/06/25 13:35	aps
Calcium, dissolved	EPA 200.7	1	79.9			mg/L	0.2	0.5	11/07/25 18:01	wtc
Chromium, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	11/10/25 13:56	msh
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	11/06/25 13:35	aps
Magnesium, dissolved	EPA 200.7	1	39.5			mg/L	0.2	1	11/07/25 18:01	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	11/06/25 13:47	rjw
Nickel, dissolved	EPA 200.7	1	0.0130	B		mg/L	0.008	0.04	11/07/25 18:01	wtc
Potassium, dissolved	EPA 200.7	1	1.64			mg/L	0.5	1	11/07/25 18:01	wtc
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	11/06/25 13:35	aps
Sodium, dissolved	EPA 200.7	1	2.66			mg/L	0.2	1	11/07/25 18:01	wtc
Thallium, dissolved	EPA 200.8	1	0.00066			mg/L	0.0001	0.0005	11/06/25 13:35	aps
Uranium, dissolved	EPA 200.8	1	0.00696			mg/L	0.0001	0.0005	11/06/25 13:35	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	193			mg/L	2	20	10/31/25 0:00	jck
Carbonate as CaCO3		1	48.3			mg/L	2	20	10/31/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	10/31/25 0:00	jck
Total Alkalinity		1	241			mg/L	2	20	10/31/25 0:00	jck
Conductivity @25C	SM 2510 B-2011	1	654			umhos/cm	1	10	10/31/25 12:00	jck
Fluoride	SM 4500-F C-2011	1	0.16	B		mg/L	0.15	0.35	11/12/25 20:40	cm
Lab Filtration (0.45um filter)	SOPWC050	1							11/12/25 15:51	cm
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	11/08/25 1:48	pjb
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.2	H		units	0.1	0.1	10/31/25 0:00	jck
pH measured at		1	19.7			C	0.1	0.1	10/31/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	406	H	*	mg/L	20	40	11/17/25 14:14	nls
Sulfate	ASTM D516-07/11/16	5	116		*	mg/L	5	25	11/14/25 10:56	jqr

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.

Project ID:

Sample ID: MW-02_10212025

Locator:

ACZ Sample ID: **L97899-02**

Date Sampled: 10/21/25 11:30

Date Received: 10/24/25

Sample Matrix: Groundwater

Combined Radium (total)

Prep Method:

Calculation (RA226 + RA228)

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium (total)	11/20/25 7:46		2.4			pCi/L		calc

Gross Alpha Total, corrected

Prep Method:

Calculation

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha Total, corrected	11/20/25 7:47		6.2			pCi/L		calc

Gross Alpha, total

Prep Method:

EPA 900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, total	10/31/25 0:25		14	5	9.2	pCi/L	*	tlc/msm

Radium 226, total

Prep Method:

EPA 903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, total	12/16/25 0:14		2.4	0.2	0.43	pCi/L	*	ksl

Radium 228, total

Prep Method:

EPA 904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, total	12/01/25 18:57		0.68	1.1	2.8	pCi/L	*	tlc

Uranium, Isotopic Total

Prep Method:

EICHROM ACW03

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234, total	12/02/25 8:05		4.46	2.1	2.7	pCi/L	*	amk
Uranium 235, total	12/02/25 8:05		-1.23	1.3	3	pCi/L	*	amk
Uranium 238, total	12/02/25 8:05		3.34	1.7	2.2	pCi/L	*	amk

Arizona license number: AZ0102

ENERGY FUELS GROUNDWATER SAMPLING FORM

Project Name: Pinyon plain 4G 2025
 Sampler(s): Chris Feece

Date: 10/22/25
 Well No: MW-03

WELL INFORMATION

Total Well Depth (ft): 1145 Screened Interval (ft.): 458.68'
 Casing Diameter (in.): 6 Static Depth to Water (ft.): 958.68' before at 0715

PURGE INFORMATION AND FIELD MEASUREMENTS

Time Started: 0733 Time Completed: 1145 Total Purge Time: 4 hours 12 min
 Purge Method: Voluntary Pump Placement:
 Pump Type: Dedicated Total Purge Volume: 821.67
 Pump Rate: 22.6 (gpm) 2.5 Calculated Time to Purge 3 Volumes: 228 (min)
 Depth to Water after Purging (if not dry): (ft)
 Depth to Water After Recovery (if well purged dry): (ft)

D.O.Y.

82
2.5
↓
23 gpm
+3
6 gal
19
12
116
+19
123

Time	Total Volume Pumped (gals)	Temp (°C / °F)	Conductivity (µS/cm)	pH (SL)	ORP (mV)	Turbidity (NTU)	Parabits (µM)	DO (mg/L or %)	Water Level (ft)
0733	13416								
0751	13512								
813	13524								
0840	13758	14.4	1449	6.43	-85.4	0.52	36.6	5.8	6
859	13837	14.6	1472	7.03	-104.4	0.84	20.6	8.3	
912	13874	14.5	1407	7.06	-103.3	0.79	15.9	7.8	
943	13956	14.9	1464	6.96	-87.7	0.48	21.5	9.8	
952	13981	15.0	1479	6.94	-86.4	1.05	4.05	10.5	
1016	14042	15.1	1335	6.91	-82.2		4.23		
1030	14075	15.0	1385	6.89	-81.0	1.63	2.85	16.0	
1126	14211	15.1	1492	6.88	-83.0	1.28	4.42	12.1	
1128	14216	15.1	1492	6.88	-82.8	1.22	5.01	12.3	
1129	14219	15.0	1495	6.87	-81.8	1.25	4.02	12.5	

USE
turn off
D.O.

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
<u>MW-03-10222025</u>	<u>10/22/25</u>	<u>11:30</u>	

Water column height = total depth of the well - measured depth to water

Casings Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft)

Recovery Volume Calculation = 1.5 gallons per foot X 561 ft (based on a TD of 3086-1525 historic water level)

$$(1145 - 958.68) = 186.32' \\ \times 1.47 = 273.89$$

4.5 min
at 6

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: MW-03_10222025

ACZ Sample ID: **L97899-03**
Date Sampled: 10/22/25 11:30
Date Received: 10/24/25
Sample Matrix: Groundwater

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um) & Acidification	EPA 200.7/200.8/3005A Filter								11/04/25 14:00	jrj

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, dissolved	EPA 200.8	1	<0.0004	U		mg/L	0.0004	0.002	11/06/25 13:37	aps
Arsenic, dissolved	EPA 200.8	1	0.00722			mg/L	0.0002	0.001	11/06/25 13:37	aps
Barium, dissolved	EPA 200.7	1	<0.009	U		mg/L	0.009	0.035	11/07/25 18:04	wtc
Beryllium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	11/06/25 13:37	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	11/06/25 13:37	aps
Calcium, dissolved	EPA 200.7	1	204			mg/L	0.2	0.5	11/07/25 18:04	wtc
Chromium, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	11/10/25 13:58	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	11/06/25 13:37	aps
Magnesium, dissolved	EPA 200.7	1	97.3			mg/L	0.2	1	11/07/25 18:04	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	11/06/25 13:50	rjw
Nickel, dissolved	EPA 200.7	1	0.234			mg/L	0.008	0.04	11/07/25 18:04	wtc
Potassium, dissolved	EPA 200.7	1	2.49			mg/L	0.5	1	11/07/25 18:04	wtc
Selenium, dissolved	EPA 200.8	1	0.00010	B		mg/L	0.0001	0.00025	11/06/25 13:37	aps
Sodium, dissolved	EPA 200.7	1	4.82			mg/L	0.2	1	11/07/25 18:04	wtc
Thallium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	11/06/25 13:37	aps
Uranium, dissolved	EPA 200.8	1	0.0187			mg/L	0.0001	0.0005	11/06/25 13:37	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	172			mg/L	2	20	10/31/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	10/31/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	10/31/25 0:00	jck
Total Alkalinity		1	172			mg/L	2	20	10/31/25 0:00	jck
Conductivity @25C	SM 2510 B-2011	1	1470			umhos/cm	1	10	10/31/25 12:18	jck
Fluoride	SM 4500-F C-2011	1	<0.15	U		mg/L	0.15	0.35	11/12/25 20:46	cm
Lab Filtration (0.45um filter)	SOPWC050	1							11/12/25 15:55	cm
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	11/08/25 1:50	pjb
pH (lab)	SM 4500-H+ B-2011									
pH		1	7.2	H		units	0.1	0.1	10/31/25 0:00	jck
pH measured at		1	20.2			C	0.1	0.1	10/31/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1240		*	mg/L	20	40	10/28/25 16:32	nls
Sulfate	ASTM D516-07/-11/-16	100	724		*	mg/L	100	500	11/14/25 11:21	jqr

Arizona license number: AZ0102

Energy Fuels Resources (USA) Inc.

Project ID:

Sample ID: MW-03_10222025

Locator:

ACZ Sample ID: **L97899-03**

Date Sampled: 10/22/25 11:30

Date Received: 10/24/25

Sample Matrix: Groundwater

Combined Radium (total)

Prep Method:

Calculation (RA226 + RA228)

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium (total)	11/20/25 7:46		1.8			pCi/L		calc

Gross Alpha Total, corrected

Prep Method:

Calculation

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha Total, corrected	11/20/25 7:47		6.0			pCi/L		calc

Gross Alpha, total

Prep Method:

EPA 900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, total	10/31/25 0:27		21	7.9	15	pCi/L	*	tlc/msm

Radium 226, total

Prep Method:

EPA 903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, total	12/16/25 0:15		1.8	0.17	0.4	pCi/L	*	ksl

Radium 228, total

Prep Method:

EPA 904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, total	12/01/25 18:57		1.3	0.84	2.1	pCi/L	*	tlc

Uranium, Isotopic Total

Prep Method:

EICHROM ACW03

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234, total	12/02/25 8:05		7.11	2.4	2.7	pCi/L	*	amk
Uranium 235, total	12/02/25 8:05		-0.196	1.5	3	pCi/L	*	amk
Uranium 238, total	12/02/25 8:05		7.9	2.3	1.9	pCi/L	*	amk

Arizona license number: AZ0102

ENERGY FUELS GROUNDWATER SAMPLING FORM

Project Name: Pavon Plaza LW 042025
 Sampler(s): Chris Ferens

Date: 10/22/25
 Well No.: RW-01

WELL INFORMATION

Total Well Depth (ft.): 3086 Screened Interval (ft.): _____ to _____
 Casing Diameter (in.): _____ Static Depth to Water (ft.): _____

PURGE INFORMATION AND FIELD MEASUREMENTS

Time Started: 1223 Time Completed: _____ Total Purge Time: _____
 Purge Method: Volumetric Pump Placement: _____
 Pump Type: _____ Total Purge Volume: 2349
 Pump Rate: 37 (gpm) Calculated Time to Purge 3 Volumes: 64 (mins.)
 Depth to Water after Purging (if not dry): _____ (ft.)
 Depth to Water After Recovery (if well purged dry): _____ (ft.)

Time	Totalizer Volume Purged (gals)	Temp (°C/°F)	Conductivity (µs/cm)	pH (SU)	ORP (mV)	D.O. (mg/L or %)	Turbidity (NTU)	Water Level (ft. Below TOC)
1223	277.584							
1232	water 277.820							
1232	278.015	19.1	446.6	7.47	-98	0.76	15.4	8.2
1241	278.148	21.9	447	7.41	-71	1.07	11.3	12.1
1248	279.105	23.1	450.5	7.39	-50.5	0.79	4.38	6.3
1255	279.170	23.4	450.7	7.39	-41.8	0.67	2.45	7.7
1300	279.428	23.6	451	7.39	-38.9	0.63	1.75	7.5
1308	280.176	24.1	452	7.38	-32.8	0.21	1.44	8.5
1326		24.5	453	7.36	-17.5	1.00	0.99	12
1333	281.790	24.6	454	7.35	-13.2	1.03	1.01	12.4
1334		24.6	454	7.35	-12.2	1.08	0.82	12.7
1335		24.6	454	7.35	-11.5	1.08	0.90	13
→ totalizer not reading right use 37 gpm								
Cleared out strainer later								

0.0 y
 tank
 level
 6.7

7.8
 8.2

SAMPLE INFORMATION

Sample Name	Date	Time	Notes
RW-01-10222025	10/22/25	1337	
MW-65-10222025	↓	1200	dup

Water column height = total depth of the well - measured depth to water
 Coconino Bore Volume Calculation = 1.47 gallons per foot X height of water column (ft.)
 Redwall Volume Calculation = 1.5 gallons per foot X 561 ft. (based on a TD of 3086-2525 historic water level)

→ 2564' (march 25)

Energy Fuels Resources (USA) Inc.
Project ID:
Sample ID: RW-01_10222025

ACZ Sample ID: **L97899-05**
Date Sampled: 10/22/25 13:37
Date Received: 10/24/25
Sample Matrix: Groundwater

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um) & Acidification	EPA 200.7/200.8/3005A Filter								11/04/25 14:00	jrj

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Antimony, dissolved	EPA 200.8	1	<0.0004	U		mg/L	0.0004	0.002	11/06/25 13:41	aps
Arsenic, dissolved	EPA 200.8	1	0.00021	B		mg/L	0.0002	0.001	11/06/25 13:41	aps
Barium, dissolved	EPA 200.7	1	0.0802			mg/L	0.009	0.035	11/08/25 9:30	wtc
Beryllium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	11/06/25 13:41	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	11/06/25 13:41	aps
Calcium, dissolved	EPA 200.7	1	42.7			mg/L	0.2	0.5	11/08/25 9:30	wtc
Chromium, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	11/08/25 9:30	wtc
Lead, dissolved	EPA 200.8	1	0.00040	B		mg/L	0.0001	0.0005	11/06/25 13:41	aps
Magnesium, dissolved	EPA 200.7	1	29.0			mg/L	0.2	1	11/08/25 9:30	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	11/06/25 13:52	rjw
Nickel, dissolved	EPA 200.7	1	0.0197	B		mg/L	0.008	0.04	11/08/25 9:30	wtc
Potassium, dissolved	EPA 200.7	1	2.54			mg/L	0.5	1	11/08/25 9:30	wtc
Selenium, dissolved	EPA 200.8	1	0.00648			mg/L	0.0001	0.00025	11/06/25 13:41	aps
Sodium, dissolved	EPA 200.7	1	6.58			mg/L	0.2	1	11/08/25 9:30	wtc
Thallium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	11/06/25 13:41	aps
Uranium, dissolved	EPA 200.8	1	0.0155			mg/L	0.0001	0.0005	11/06/25 13:41	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	179			mg/L	2	20	11/05/25 0:00	jck
Carbonate as CaCO3		1	39.4			mg/L	2	20	11/05/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	11/05/25 0:00	jck
Total Alkalinity		1	218			mg/L	2	20	11/05/25 0:00	jck
Conductivity @25C	SM 2510 B-2011	1	450			umhos/cm	1	10	11/05/25 9:46	jck
Fluoride	SM 4500-F C-2011	1	0.35			mg/L	0.15	0.35	11/12/25 21:10	cm
Lab Filtration (0.45um filter)	SOPWC050	1							11/12/25 16:05	cm
Nitrate/Nitrite as N	EPA 353.2	1	0.104		*	mg/L	0.02	0.1	11/08/25 1:54	pjb
pH (lab)	SM 4500-H+ B-2011									
pH		1	7.9	H		units	0.1	0.1	11/05/25 0:00	jck
pH measured at		1	19.5			C	0.1	0.1	11/05/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	238	H	*	mg/L	20	40	11/10/25 16:58	nls
Sulfate	ASTM D516-07/-11/-16	1	21.1		*	mg/L	1	5	11/14/25 10:48	jqr

Arizona license number: **AZ0102**

Energy Fuels Resources (USA) Inc.

Project ID:

Sample ID: RW-01_10222025

Locator:

ACZ Sample ID: **L97899-05**

Date Sampled: 10/22/25 13:37

Date Received: 10/24/25

Sample Matrix: Groundwater

Combined Radium (total)

Prep Method:

Calculation (RA226 + RA228)

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Combined Radium (total)	11/20/25 7:46		1.4			pCi/L		calc

Gross Alpha Total, corrected

Prep Method:

Calculation

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha Total, corrected	11/20/25 7:47		-3.0			pCi/L		calc

Gross Alpha, total

Prep Method:

EPA 900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha, total	10/31/25 0:30		15	4.2	7	pCi/L	*	tlc/msm

Radium 226, total

Prep Method:

EPA 903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, total	12/16/25 0:18		1.4	0.16	0.4	pCi/L	*	ksl

Radium 228, total

Prep Method:

EPA 904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, total	12/01/25 18:57		-0.08	0.8	2	pCi/L	*	tlc

Uranium, Isotopic Total

Prep Method:

EICHROM ACW03

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Uranium 234, total	12/02/25 8:05		13.9	3.6	3.7	pCi/L	*	amk
Uranium 235, total	12/02/25 8:05		1.21	1.8	3	pCi/L	*	amk
Uranium 238, total	12/02/25 8:05		4.05	2.4	3.5	pCi/L	*	amk

Arizona license number: AZ0102

December 18, 2025

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: Jordan App

Project ID:

ACZ Project ID: L97900

Kathy Weinel:

Enclosed are revised analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 24, 2025 and originally reported on December 16, 2025. Refer to the case narrative for an explanation of the changes. This project was assigned to ACZ's project number, L97900. 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 L97900. 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 15, 2026. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

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

Madeleine Murray

Madeleine Murray has reviewed
and approved this report.



Energy Fuels Resources (USA) Inc.

December 18, 2025

Project ID:

ACZ Project ID: L97900

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 4 groundwater samples from Energy Fuels Resources (USA) Inc. on October 24, 2025. 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 L97900. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic, radiochemistry parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The following required further detail not provided by the Extended Qualifier Report:

1. The below is from WG624722, Qualifier: N1, Applies to: L97900-01 through -04/RADIUM 228 - Prep blank (PBW) total Barium and Yttrium recovery low. PBW value less than LLD. Sample deemed acceptable for control.
2. The below is from WG625179, Qualifier: N1A, Applies to: L97900-01/URANIUM 234, URANIUM 235, URANIUM 238 - Uranium 232 tracer recovery outside acceptance limits due to sample matrix. Sample analyzed on dilution twice. Sample separated from sediment to accommodate draining through the resin. High activity and sample matrix contributing to low tracer recovery.
3. The below is from WG625179, Qualifier: N1, Applies to: L97900-01, -03, -04/URANIUM 234, URANIUM 235, URANIUM 238 - Recovery of the LCSW was outside acceptance limits. MS within limits and used for positive control.

This report was revised on 12/18/25 to include results for corrected Gross Alpha, which were missing from the initial report. No other changes were made.



Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Reference

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.

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97900**

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

Alkalinity as CaCO3
SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623311													
WG623311PBW1	PBW	11/04/25 18:18				16.7	mg/L		-20	20			
WG623311LCSW3	LCSW	11/04/25 18:35	WC251027-8	820.0001		802.8	mg/L	98	90	110			
WG623311LCSW6	LCSW	11/04/25 22:39	WC251027-8	820.0001		818	mg/L	100	90	110			
WG623311PBW2	PBW	11/04/25 23:00				17.7	mg/L		-20	20			
WG623311LCSW9	LCSW	11/05/25 5:39	WC251027-8	820.0001		805.1	mg/L	98	90	110			
WG623311PBW3	PBW	11/05/25 6:01				15.8	mg/L		-20	20			
L97901-01DUP	DUP	11/05/25 11:16			265	268.6	mg/L				1	20	
WG623311LCSW12	LCSW	11/05/25 11:40	WC251027-8	820.0001		813.5	mg/L	99	90	110			
WG623311PBW4	PBW	11/05/25 12:05				14.6	mg/L		-20	20			
WG623311LCSW15	LCSW	11/05/25 18:00	WC251027-8	820.0001		823	mg/L	100	90	110			

Antimony, total
EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623047													
WG623047ICV	ICV	10/30/25 17:55	MS250911-3	.02		.01945	mg/L	97	90	110			
WG623047ICB	ICB	10/30/25 17:57				U	mg/L		-0.0012	0.0012			
WG622816LRB	LRB	10/30/25 17:59				U	mg/L		-0.00088	0.00088			
WG622816LFB	LFB	10/30/25 18:01	MS251014-3	.01		.00957	mg/L	96	85	115			
L97897-07LFM	LFM	10/30/25 18:51	MS2XW	.02002	U	.01908	mg/L	95	70	130			
L97897-07LFMD	LFMD	10/30/25 18:53	MS2XW	.02002	U	.0191	mg/L	95	70	130	0	20	

WG623052

WG623052ICV	ICV	10/30/25 19:21	MS250911-3	.02		.01962	mg/L	98	90	110			
WG623052ICB	ICB	10/30/25 19:23				U	mg/L		-0.0012	0.0012			
WG622960LRB	LRB	10/30/25 19:25				U	mg/L		-0.00088	0.00088			
WG622960LFB	LFB	10/30/25 19:27	MS251014-3	.01		.00952	mg/L	95	85	115			
L97914-07LFM	LFM	10/30/25 19:52	MS2XW	.02002	U	.01917	mg/L	96	70	130			
L97914-07LFMD	LFMD	10/30/25 19:54	MS2XW	.02002	U	.019	mg/L	95	70	130	1	20	

Arsenic, total
EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623052													
WG623052ICV	ICV	10/30/25 19:21	MS250911-3	.05		.04845	mg/L	97	90	110			
WG623052ICB	ICB	10/30/25 19:23				U	mg/L		-0.0006	0.0006			
WG622960LRB	LRB	10/30/25 19:25				U	mg/L		-0.00044	0.00044			
WG622960LFB	LFB	10/30/25 19:27	MS251014-3	.05005		.04738	mg/L	95	85	115			
L97914-07LFM	LFM	10/30/25 19:52	MS2XW	.1002	U	.09489	mg/L	95	70	130			
L97914-07LFMD	LFMD	10/30/25 19:54	MS2XW	.1002	U	.09208	mg/L	92	70	130	3	20	

WG623175

WG623175ICV	ICV	11/03/25 12:31	MS250911-3	.05		.04761	mg/L	95	90	110			
WG623175ICB	ICB	11/03/25 12:33				U	mg/L		-0.0006	0.0006			
WG622816LRB	LRB	11/03/25 12:35				U	mg/L		-0.00044	0.00044			
WG622816LFB	LFB	11/03/25 12:37	MS251014-3	.05005		.0516	mg/L	103	85	115			
L97897-07LFM	LFM	11/03/25 13:29	MS2XW	.1002	U	.10435	mg/L	104	70	130			
L97897-07LFMD	LFMD	11/03/25 13:31	MS2XW	.1002	U	.10043	mg/L	100	70	130	4	20	

Energy Fuels Resources (USA) Inc.
ACZ Project ID: L97900

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

Barium, total EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623112													
WG623112ICV	ICV	10/31/25 20:48	II251028-1	2		1.97	mg/L	99	95	105			
WG623112ICB	ICB	10/31/25 20:50				U	mg/L		-0.027	0.027			
WG622869LRB	LRB	10/31/25 20:59				U	mg/L		-0.0198	0.0198			
WG622869LFB	LFB	10/31/25 21:01	II250930-2	.501		.489	mg/L	98	85	115			
L97914-04LFM	LFM	10/31/25 21:50	II250930-2	.501	.142	.62	mg/L	95	70	130			
L97914-04LFMD	LFMD	10/31/25 21:52	II250930-2	.501	.142	.632	mg/L	98	70	130	2	20	

WG623222

WG623222ICV	ICV	11/03/25 21:19	II251028-1	2		1.9718	mg/L	99	95	105			
WG623222ICB	ICB	11/03/25 21:25				U	mg/L		-0.027	0.027			
WG622932LRB	LRB	11/03/25 21:38				U	mg/L		-0.0198	0.0198			
WG622932LFB	LFB	11/03/25 21:41	II251024-3	.501		.4906	mg/L	98	85	115			
L97923-01LFM	LFM	11/03/25 21:57	II251024-3	.501	.118	.6207	mg/L	100	70	130			
L97923-01LFMD	LFMD	11/03/25 22:00	II251024-3	.501	.118	.6064	mg/L	97	70	130	2	20	

Beryllium, total EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623052													
WG623052ICV	ICV	10/30/25 19:21	MS250911-3	.05		.048163	mg/L	96	90	110			
WG623052ICB	ICB	10/30/25 19:23				U	mg/L		-0.0003	0.0003			
WG622960LRB	LRB	10/30/25 19:25				U	mg/L		-0.00022	0.00022			
WG622960LFB	LFB	10/30/25 19:27	MS251014-3	.0501		.046873	mg/L	94	85	115			
L97914-07LFM	LFM	10/30/25 19:52	MS2XW	.1001	U	.093999	mg/L	94	70	130			
L97914-07LFMD	LFMD	10/30/25 19:54	MS2XW	.1001	U	.089535	mg/L	89	70	130	5	20	

WG623175

WG623175ICV	ICV	11/03/25 12:31	MS250911-3	.05		.048154	mg/L	96	90	110			
WG623175ICB	ICB	11/03/25 12:33				U	mg/L		-0.0003	0.0003			
WG622816LRB	LRB	11/03/25 12:35				U	mg/L		-0.00022	0.00022			
WG622816LFB	LFB	11/03/25 12:37	MS251014-3	.0501		.051043	mg/L	102	85	115			
L97897-07LFM	LFM	11/03/25 13:29	MS2XW	.1001	U	.10146	mg/L	101	70	130			
L97897-07LFMD	LFMD	11/03/25 13:31	MS2XW	.1001	U	.100624	mg/L	101	70	130	1	20	

Cadmium, total EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623047													
WG623047ICV	ICV	10/30/25 17:55	MS250911-3	.05		.048875	mg/L	98	90	110			
WG623047ICB	ICB	10/30/25 17:57				U	mg/L		-0.00015	0.00015			
WG622816LRB	LRB	10/30/25 17:59				U	mg/L		-0.00011	0.00011			
WG622816LFB	LFB	10/30/25 18:01	MS251014-3	.05005		.046542	mg/L	93	85	115			
L97897-07LFM	LFM	10/30/25 18:51	MS2XW	.1001	U	.094555	mg/L	94	70	130			
L97897-07LFMD	LFMD	10/30/25 18:53	MS2XW	.1001	U	.093274	mg/L	93	70	130	1	20	

WG623052

WG623052ICV	ICV	10/30/25 19:21	MS250911-3	.05		.049879	mg/L	100	90	110			
WG623052ICB	ICB	10/30/25 19:23				U	mg/L		-0.00015	0.00015			
WG622960LRB	LRB	10/30/25 19:25				U	mg/L		-0.00011	0.00011			
WG622960LFB	LFB	10/30/25 19:27	MS251014-3	.05005		.047253	mg/L	94	85	115			
L97914-07LFM	LFM	10/30/25 19:52	MS2XW	.1001	U	.094011	mg/L	94	70	130			
L97914-07LFMD	LFMD	10/30/25 19:54	MS2XW	.1001	U	.092151	mg/L	92	70	130	2	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97900**

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

Calcium, total EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623112													
WG623112ICV	ICV	10/31/25 20:48	II251028-1	100		103	mg/L	103	95	105			
WG623112ICB	ICB	10/31/25 20:50				U	mg/L		-0.6	0.6			
WG622869LRB	LRB	10/31/25 20:59				U	mg/L		-0.44	0.44			
WG622869LFB	LFB	10/31/25 21:01	II250930-2	68.56872		71.6	mg/L	104	85	115			
L97914-04LFM	LFM	10/31/25 21:50	II250930-2	68.56872	544	606	mg/L	90	70	130			
L97914-04LFMD	LFMD	10/31/25 21:52	II250930-2	68.56872	544	620	mg/L	111	70	130	2	20	
WG623222													
WG623222ICV	ICV	11/03/25 21:19	II251028-1	100		99.52	mg/L	100	95	105			
WG623222ICB	ICB	11/03/25 21:25				U	mg/L		-0.6	0.6			
WG622932LRB	LRB	11/03/25 21:38				U	mg/L		-0.44	0.44			
WG622932LFB	LFB	11/03/25 21:41	II251024-3	68.53982		69.51	mg/L	101	85	115			
L97923-01LFM	LFM	11/03/25 21:57	II251024-3	68.53982	64.9	135.1	mg/L	102	70	130			
L97923-01LFMD	LFMD	11/03/25 22:00	II251024-3	68.53982	64.9	131.3	mg/L	97	70	130	3	20	

Chromium, total EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623112													
WG623112ICV	ICV	10/31/25 20:48	II251028-1	2		1.98	mg/L	99	95	105			
WG623112ICB	ICB	10/31/25 20:50				U	mg/L		-0.06	0.06			
WG622869LRB	LRB	10/31/25 20:59				U	mg/L		-0.044	0.044			
WG622869LFB	LFB	10/31/25 21:01	II250930-2	.5015		.491	mg/L	98	85	115			
L97914-04LFM	LFM	10/31/25 21:50	II250930-2	.5015	U	.462	mg/L	92	70	130			
L97914-04LFMD	LFMD	10/31/25 21:52	II250930-2	.5015	U	.472	mg/L	94	70	130	2	20	
WG623222													
WG623222ICV	ICV	11/03/25 21:19	II251028-1	2		1.978	mg/L	99	95	105			
WG623222ICB	ICB	11/03/25 21:25				U	mg/L		-0.06	0.06			
WG622932LRB	LRB	11/03/25 21:38				U	mg/L		-0.044	0.044			
WG622932LFB	LFB	11/03/25 21:41	II251024-3	.5015		.502	mg/L	100	85	115			
L97923-01LFM	LFM	11/03/25 21:57	II251024-3	.5015	U	.51	mg/L	102	70	130			
L97923-01LFMD	LFMD	11/03/25 22:00	II251024-3	.5015	U	.496	mg/L	99	70	130	3	20	

Conductivity @25C SM 2510 B-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623311													
WG623311LCSW2	LCSW	11/04/25 18:33	PCN628898	1410		1429	umhos/cm	101	90	110			
WG623311LCSW5	LCSW	11/04/25 22:36	PCN628898	1410		1416	umhos/cm	100	90	110			
WG623311LCSW8	LCSW	11/05/25 5:36	PCN628898	1410		1424	umhos/cm	101	90	110			
L97901-01DUP	DUP	11/05/25 11:16			581	580	umhos/cm				0	20	
WG623311LCSW11	LCSW	11/05/25 11:38	PCN628898	1410		1427	umhos/cm	101	90	110			
WG623311LCSW14	LCSW	11/05/25 17:58	PCN628898	1410		1438	umhos/cm	102	90	110			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97900

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

Copper, total

EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623123													
WG623123ICV	ICV	11/01/25 15:40	II251028-1	2		1.92	mg/L	96	95	105			
WG623123ICB	ICB	11/01/25 15:43				U	mg/L		-0.06	0.06			
WG622869LRB	LRB	11/01/25 15:51				U	mg/L		-0.044	0.044			
WG622869LFB	LFB	11/01/25 15:53	II250930-2	.5005		.491	mg/L	98	85	115			
L97882-03LFM	LFM	11/01/25 15:57	II250930-2	.5005	U	.489	mg/L	98	70	130			
L97882-03LFMD	LFMD	11/01/25 15:59	II250930-2	.5005	U	.494	mg/L	99	70	130	1	20	
WG623222													
WG623222ICV	ICV	11/03/25 21:19	II251028-1	2		1.972	mg/L	99	95	105			
WG623222ICB	ICB	11/03/25 21:25				U	mg/L		-0.06	0.06			
WG622932LRB	LRB	11/03/25 21:38				U	mg/L		-0.044	0.044			
WG622932LFB	LFB	11/03/25 21:41	II251024-3	.5005		.5	mg/L	100	85	115			
L97923-01LFM	LFM	11/03/25 21:57	II251024-3	.5005	U	.506	mg/L	101	70	130			
L97923-01LFMD	LFMD	11/03/25 22:00	II251024-3	.5005	U	.503	mg/L	100	70	130	1	20	

Fluoride

SM 4500-F C-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623925													
WG623925ICV	ICV	11/12/25 16:56	WC251104-2	2		1.93	mg/L	97	90	110			
WG623925ICB	ICB	11/12/25 17:03				U	mg/L		-0.3	0.3			
WG623925LFB1	LFB	11/12/25 17:15	WC250604-1	5		5.2	mg/L	104	90	110			
WG623925LFB2	LFB	11/12/25 20:27	WC250604-1	5		5.28	mg/L	106	90	110			
L97900-04AS	AS	11/12/25 21:38	WC250604-1	5	.2	5.45	mg/L	105	90	110			
L97900-04ASD	ASD	11/12/25 21:42	WC250604-1	5	.2	5.39	mg/L	104	90	110	1	20	

Iron, total

EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623112													
WG623112ICV	ICV	10/31/25 20:48	II251028-1	2		1.95	mg/L	98	95	105			
WG623112ICB	ICB	10/31/25 20:50				U	mg/L		-0.27	0.27			
WG622869LRB	LRB	10/31/25 20:59				U	mg/L		-0.198	0.198			
WG622869LFB	LFB	10/31/25 21:01	II250930-2	1.002		.987	mg/L	99	85	115			
L97914-04LFM	LFM	10/31/25 21:50	II250930-2	1.002	.338	1.31	mg/L	97	70	130			
L97914-04LFMD	LFMD	10/31/25 21:52	II250930-2	1.002	.338	1.346	mg/L	101	70	130	3	20	
WG623222													
WG623222ICV	ICV	11/03/25 21:19	II251028-1	2		1.993	mg/L	100	95	105			
WG623222ICB	ICB	11/03/25 21:25				U	mg/L		-0.27	0.27			
WG622932LRB	LRB	11/03/25 21:38				U	mg/L		-0.198	0.198			
WG622932LFB	LFB	11/03/25 21:41	II251024-3	1.002		.994	mg/L	99	85	115			
L97923-01LFM	LFM	11/03/25 21:57	II251024-3	1.002	.351	1.512	mg/L	116	70	130			
L97923-01LFMD	LFMD	11/03/25 22:00	II251024-3	1.002	.351	1.538	mg/L	118	70	130	2	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97900**

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

Lead, total EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623047													
WG623047ICV	ICV	10/30/25 17:55	MS250911-3	.05		.04852	mg/L	97	90	110			
WG623047ICB	ICB	10/30/25 17:57				U	mg/L		-0.0003	0.0003			
WG622816LRB	LRB	10/30/25 17:59				U	mg/L		-0.00022	0.00022			
WG622816LFB	LFB	10/30/25 18:01	MS251014-3	.05005		.04459	mg/L	89	85	115			
L97897-07LFM	LFM	10/30/25 18:51	MS2XW	.1001	U	.09073	mg/L	91	70	130			
L97897-07LFMD	LFMD	10/30/25 18:53	MS2XW	.1001	U	.08865	mg/L	89	70	130	2	20	

WG623052

WG623052ICV	ICV	10/30/25 19:21	MS250911-3	.05		.04906	mg/L	98	90	110			
WG623052ICB	ICB	10/30/25 19:23				U	mg/L		-0.0003	0.0003			
WG622960LRB	LRB	10/30/25 19:25				U	mg/L		-0.00022	0.00022			
WG622960LFB	LFB	10/30/25 19:27	MS251014-3	.05005		.045	mg/L	90	85	115			
L97914-07LFM	LFM	10/30/25 19:52	MS2XW	.1001	U	.09044	mg/L	90	70	130			
L97914-07LFMD	LFMD	10/30/25 19:54	MS2XW	.1001	U	.08699	mg/L	87	70	130	4	20	

Magnesium, total EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623112													
WG623112ICV	ICV	10/31/25 20:48	II251028-1	100		101	mg/L	101	95	105			
WG623112ICB	ICB	10/31/25 20:50				U	mg/L		-0.6	0.6			
WG622869LRB	LRB	10/31/25 20:59				U	mg/L		-0.44	0.44			
WG622869LFB	LFB	10/31/25 21:01	II250930-2	50.3388		50.7	mg/L	101	85	115			
L97914-04LFM	LFM	10/31/25 21:50	II250930-2	50.3388	140	190.8	mg/L	101	70	130			
L97914-04LFMD	LFMD	10/31/25 21:52	II250930-2	50.3388	140	192.2	mg/L	104	70	130	1	20	

WG623222

WG623222ICV	ICV	11/03/25 21:19	II251028-1	100		98.12	mg/L	98	95	105			
WG623222ICB	ICB	11/03/25 21:25				U	mg/L		-0.6	0.6			
WG622932LRB	LRB	11/03/25 21:38				U	mg/L		-0.44	0.44			
WG622932LFB	LFB	11/03/25 21:41	II251024-3	50.3388		49.32	mg/L	98	85	115			
L97923-01LFM	LFM	11/03/25 21:57	II251024-3	50.3388	40.7	90.45	mg/L	99	70	130			
L97923-01LFMD	LFMD	11/03/25 22:00	II251024-3	50.3388	40.7	87.85	mg/L	94	70	130	3	20	

Manganese, total EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623047													
WG623047ICV	ICV	10/30/25 17:55	MS250911-3	.05		.04862	mg/L	97	90	110			
WG623047ICB	ICB	10/30/25 17:57				U	mg/L		-0.0012	0.0012			
WG622816LRB	LRB	10/30/25 17:59				U	mg/L		-0.00088	0.00088			
WG622816LFB	LFB	10/30/25 18:01	MS251014-3	.04995		.04564	mg/L	91	85	115			
L97897-07LFM	LFM	10/30/25 18:51	MS2XW	.1001	.475	.56277	mg/L	88	70	130			
L97897-07LFMD	LFMD	10/30/25 18:53	MS2XW	.1001	.475	.08712	mg/L	-387	70	130	146	20	M3 R4

WG623052

WG623052ICV	ICV	10/30/25 19:21	MS250911-3	.05		.04879	mg/L	98	90	110			
WG623052ICB	ICB	10/30/25 19:23				U	mg/L		-0.0012	0.0012			
WG622960LRB	LRB	10/30/25 19:25				U	mg/L		-0.00088	0.00088			
WG622960LFB	LFB	10/30/25 19:27	MS251014-3	.04995		.0473	mg/L	95	85	115			
L97914-07LFM	LFM	10/30/25 19:52	MS2XW	.1001	U	.09375	mg/L	94	70	130			
L97914-07LFMD	LFMD	10/30/25 19:54	MS2XW	.1001	U	.08849	mg/L	88	70	130	6	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97900**

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

Mercury, total EPA 245.1

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623316													
WG623316ICV	ICV	11/05/25 12:56	HG251016-3	.005015		.00514	mg/L	102	95	105			
WG623316ICB	ICB	11/05/25 12:57				U	mg/L		-0.0002	0.0002			
WG623316LRB	LRB	11/05/25 12:59				U	mg/L		-0.00044	0.00044			
WG623316LFB	LFB	11/05/25 13:00	HG251027-6	.002002		.00197	mg/L	98	85	115			
L97900-02LFM	LFM	11/05/25 13:02	HG251027-6	.002002	U	.00195	mg/L	97	85	115			
L97900-02LFMD	LFMD	11/05/25 13:03	HG251027-6	.002002	U	.00196	mg/L	98	85	115	1	20	

Nickel, total EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623112													
WG623112ICV	ICV	10/31/25 20:48	II251028-1	2.004		2.03	mg/L	101	95	105			
WG623112ICB	ICB	10/31/25 20:50				U	mg/L		-0.024	0.024			
WG622869LRB	LRB	10/31/25 20:59				U	mg/L		-0.0176	0.0176			
WG622869LFB	LFB	10/31/25 21:01	II250930-2	.5		.516	mg/L	103	85	115			
L97914-04LFM	LFM	10/31/25 21:50	II250930-2	.5	U	.496	mg/L	99	70	130			
L97914-04LFMD	LFMD	10/31/25 21:52	II250930-2	.5	U	.5	mg/L	100	70	130	1	20	

WG623222

WG623222ICV	ICV	11/03/25 21:19	II251028-1	2.004		1.992	mg/L	99	95	105			
WG623222ICB	ICB	11/03/25 21:25				U	mg/L		-0.024	0.024			
WG622932LRB	LRB	11/03/25 21:38				U	mg/L		-0.0176	0.0176			
WG622932LFB	LFB	11/03/25 21:41	II251024-3	.5		.4953	mg/L	99	85	115			
L97923-01LFM	LFM	11/03/25 21:57	II251024-3	.5	U	.5036	mg/L	101	70	130			
L97923-01LFMD	LFMD	11/03/25 22:00	II251024-3	.5	U	.4928	mg/L	99	70	130	2	20	

Nitrate/Nitrite as N EPA 353.2

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623596													
WG623596ICV	ICV	11/08/25 22:33	WI251008-11	2.416		2.456	mg/L	102	90	110			
WG623596ICB	ICB	11/08/25 22:35				U	mg/L		-0.02	0.02			
WG623596LFB	LFB	11/08/25 22:38	WI250801-9	2		1.996	mg/L	100	90	110			
L97886-03AS	AS	11/08/25 23:00	WI250801-9	2	.106	2.066	mg/L	98	90	110			
L97886-04DUP	DUP	11/08/25 23:03			U	U	mg/L				0	20	RA

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623311													
WG623311LCSW1	LCSW	11/04/25 18:29	PCN627839	6		6.03	units	101	5.9	6.1			
WG623311LCSW4	LCSW	11/04/25 22:33	PCN627839	6		6.04	units	101	5.9	6.1			
WG623311LCSW7	LCSW	11/05/25 5:33	PCN627839	6		6.04	units	101	5.9	6.1			
L97901-01DUP	DUP	11/05/25 11:16			8.1	8.3	units				2	20	
WG623311LCSW10	LCSW	11/05/25 11:34	PCN627839	6		6.03	units	101	5.9	6.1			
WG623311LCSW13	LCSW	11/05/25 17:54	PCN627839	6		6.02	units	100	5.9	6.1			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97900**

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

Potassium, total EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623112													
WG623112ICV	ICV	10/31/25 20:48	II251028-1	20		20.7	mg/L	104	95	105			
WG623112ICB	ICB	10/31/25 20:50				U	mg/L		-1.5	1.5			
WG622869LRB	LRB	10/31/25 20:59				U	mg/L		-1.1	1.1			
WG622869LFB	LFB	10/31/25 21:01	II250930-2	99.96323		103	mg/L	103	85	115			
L97914-04LFM	LFM	10/31/25 21:50	II250930-2	99.96323	8.2	111.4	mg/L	103	70	130			
L97914-04LFMD	LFMD	10/31/25 21:52	II250930-2	99.96323	8.2	112.6	mg/L	104	70	130	1	20	

WG623222

WG623222ICV	ICV	11/03/25 21:19	II251028-1	20		19.46	mg/L	97	95	105			
WG623222ICB	ICB	11/03/25 21:25				U	mg/L		-1.5	1.5			
WG622932LRB	LRB	11/03/25 21:38				U	mg/L		-1.1	1.1			
WG622932LFB	LFB	11/03/25 21:41	II251024-3	100.0209		98.72	mg/L	99	85	115			
L97923-01LFM	LFM	11/03/25 21:57	II251024-3	100.0209	7.04	107.4	mg/L	100	70	130			
L97923-01LFMD	LFMD	11/03/25 22:00	II251024-3	100.0209	7.04	105.2	mg/L	98	70	130	2	20	

Residue, Filterable (TDS) @180C SM 2540 C-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG622956													
WG622956PBW	PBW	10/29/25 14:40				U	mg/L		-20	20			
WG622956LCSW	LCSW	10/29/25 14:42	PCN629364	1000		1006	mg/L	101	90	110			
L97901-01DUP	DUP	10/29/25 15:40			342	342	mg/L				0	10	

Selenium, total EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623052													
WG623052ICV	ICV	10/30/25 19:21	MS250911-3	.05		.0492	mg/L	98	90	110			
WG623052ICB	ICB	10/30/25 19:23				U	mg/L		-0.0003	0.0003			
WG622960LRB	LRB	10/30/25 19:25				U	mg/L		-0.00022	0.00022			
WG622960LFB	LFB	10/30/25 19:27	MS251014-3	.05005		.04628	mg/L	92	85	115			
L97914-07LFM	LFM	10/30/25 19:52	MS2XW	.1003	U	.09216	mg/L	92	70	130			
L97914-07LFMD	LFMD	10/30/25 19:54	MS2XW	.1003	U	.08848	mg/L	88	70	130	4	20	

WG623175

WG623175ICV	ICV	11/03/25 12:31	MS250911-3	.05		.05087	mg/L	102	90	110			
WG623175ICB	ICB	11/03/25 12:33				.00011	mg/L		-0.0003	0.0003			
WG622816LRB	LRB	11/03/25 12:35				U	mg/L		-0.00022	0.00022			
WG622816LFB	LFB	11/03/25 12:37	MS251014-3	.05005		.05314	mg/L	106	85	115			
L97897-07LFM	LFM	11/03/25 13:29	MS2XW	.1003	U	.10197	mg/L	102	70	130			
L97897-07LFMD	LFMD	11/03/25 13:31	MS2XW	.1003	U	.10231	mg/L	102	70	130	0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97900**

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

Sodium, total

EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623112													
WG623112ICV	ICV	10/31/25 20:48	II251028-1	100		104	mg/L	104	95	105			
WG623112ICB	ICB	10/31/25 20:50				U	mg/L		-0.6	0.6			
WG622869LRB	LRB	10/31/25 20:59				U	mg/L		-0.44	0.44			
WG622869LFB	LFB	10/31/25 21:01	II250930-2	100.0039		103	mg/L	103	85	115			
L97914-04LFM	LFM	10/31/25 21:50	II250930-2	100.0039	196	296	mg/L	100	70	130			
L97914-04LFMD	LFMD	10/31/25 21:52	II250930-2	100.0039	196	300	mg/L	104	70	130	1	20	

WG623222

WG623222ICV	ICV	11/03/25 21:19	II251028-1	100		100.06	mg/L	100	95	105			
WG623222ICB	ICB	11/03/25 21:25				U	mg/L		-0.6	0.6			
WG622932LRB	LRB	11/03/25 21:38				U	mg/L		-0.44	0.44			
WG622932LFB	LFB	11/03/25 21:41	II251024-3	100.2493		99.18	mg/L	99	85	115			
L97923-01LFM	LFM	11/03/25 21:57	II251024-3	100.2493	72.8	173	mg/L	100	70	130			
L97923-01LFMD	LFMD	11/03/25 22:00	II251024-3	100.2493	72.8	168.5	mg/L	95	70	130	3	20	

Sulfate

ASTM D516-07/-11/-16

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG624161													
WG624161ICV	ICV	11/17/25 8:52	WI251117-2	19.96		20.1	mg/L	101	85	115			
WG624161ICB	ICB	11/17/25 8:52				U	mg/L		-2.5	2.5			
WG624161LFB	LFB	11/17/25 11:44	WI251015-1	10		10.9	mg/L	109	85	115			
L97900-01AS	AS	11/17/25 12:20	SO4TURB50X	10	560	520.6	mg/L	-394	85	115			M3
L97900-01ASD	ASD	11/17/25 12:20	SO4TURB50X	10	560	579.2	mg/L	192	85	115	11	20	M3

Thallium, total

EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623047													
WG623047ICV	ICV	10/30/25 17:55	MS250911-3	.05		.04991	mg/L	100	90	110			
WG623047ICB	ICB	10/30/25 17:57				U	mg/L		-0.0003	0.0003			
WG622816LRB	LRB	10/30/25 17:59				U	mg/L		-0.00022	0.00022			
WG622816LFB	LFB	10/30/25 18:01	MS251014-3	.0501		.04531	mg/L	90	85	115			
L97897-07LFM	LFM	10/30/25 18:51	MS2XW	.1002	U	.09315	mg/L	93	70	130			
L97897-07LFMD	LFMD	10/30/25 18:53	MS2XW	.1002	U	.09074	mg/L	91	70	130	3	20	
WG623052													
WG623052ICV	ICV	10/30/25 19:21	MS250911-3	.05		.05041	mg/L	101	90	110			
WG623052ICB	ICB	10/30/25 19:23				U	mg/L		-0.0003	0.0003			
WG622960LRB	LRB	10/30/25 19:25				U	mg/L		-0.00022	0.00022			
WG622960LFB	LFB	10/30/25 19:27	MS251014-3	.0501		.04602	mg/L	92	85	115			
L97914-07LFM	LFM	10/30/25 19:52	MS2XW	.1002	U	.09203	mg/L	92	70	130			
L97914-07LFMD	LFMD	10/30/25 19:54	MS2XW	.1002	U	.08808	mg/L	88	70	130	4	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97900**

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

Uranium, total EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623052													
WG623052ICV	ICV	10/30/25 19:21	MS250911-3	.05		.04868	mg/L	97	90	110			
WG623052ICB	ICB	10/30/25 19:23				U	mg/L		-0.0003	0.0003			
WG622960LRB	LRB	10/30/25 19:25				U	mg/L		-0.00022	0.00022			
WG622960LFB	LFB	10/30/25 19:27	MS251014-3	.05		.04572	mg/L	91	85	115			
L97914-07LFM	LFM	10/30/25 19:52	MS2XW	.1	U	.09139	mg/L	91	70	130			
L97914-07LFMD	LFMD	10/30/25 19:54	MS2XW	.1	U	.08803	mg/L	88	70	130	4	20	
WG623175													
WG623175ICV	ICV	11/03/25 12:31	MS250911-3	.05		.04967	mg/L	99	90	110			
WG623175ICB	ICB	11/03/25 12:33				U	mg/L		-0.0003	0.0003			
WG622816LRB	LRB	11/03/25 12:35				U	mg/L		-0.00022	0.00022			
WG622816LFB	LFB	11/03/25 12:37	MS251014-3	.05		.04992	mg/L	100	85	115			
L97897-07LFM	LFM	11/03/25 13:29	MS2XW	.1	U	.10363	mg/L	104	70	130			
L97897-07LFMD	LFMD	11/03/25 13:31	MS2XW	.1	U	.10306	mg/L	103	70	130	1	20	

Vanadium, total EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623047													
WG623047ICV	ICV	10/30/25 17:55	MS250911-3	.05		.04763	mg/L	95	90	110			
WG623047ICB	ICB	10/30/25 17:57				U	mg/L		-0.0015	0.0015			
WG622816LRB	LRB	10/30/25 17:59				U	mg/L		-0.0011	0.0011			
WG622816LFB	LFB	10/30/25 18:01	MS251014-3	.05005		.04624	mg/L	92	85	115			
L97897-07LFM	LFM	10/30/25 18:51	MS2XW	.1001	U	.0982	mg/L	98	70	130			
L97897-07LFMD	LFMD	10/30/25 18:53	MS2XW	.1001	U	.0981	mg/L	98	70	130	0	20	
WG623052													
WG623052ICV	ICV	10/30/25 19:21	MS250911-3	.05		.04896	mg/L	98	90	110			
WG623052ICB	ICB	10/30/25 19:23				U	mg/L		-0.0015	0.0015			
WG622960LRB	LRB	10/30/25 19:25				U	mg/L		-0.0011	0.0011			
WG622960LFB	LFB	10/30/25 19:27	MS251014-3	.05005		.0478	mg/L	96	85	115			
L97914-07LFM	LFM	10/30/25 19:52	MS2XW	.1001	U	.09743	mg/L	97	70	130			
L97914-07LFMD	LFMD	10/30/25 19:54	MS2XW	.1001	U	.09485	mg/L	95	70	130	3	20	

Zinc, total EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623047													
WG623047ICV	ICV	10/30/25 17:55	MS250911-3	.05		.0487	mg/L	97	90	110			
WG623047ICB	ICB	10/30/25 17:57				U	mg/L		-0.018	0.018			
WG622816LRB	LRB	10/30/25 17:59				U	mg/L		-0.0132	0.0132			
WG622816LFB	LFB	10/30/25 18:01	MS251014-3	.050015		.0496	mg/L	99	85	115			
L97897-07LFM	LFM	10/30/25 18:51	MS2XW	.10016	U	.0977	mg/L	98	70	130			
L97897-07LFMD	LFMD	10/30/25 18:53	MS2XW	.10016	U	.0942	mg/L	94	70	130	4	20	
WG623052													
WG623052ICV	ICV	10/30/25 19:21	MS250911-3	.05		.0493	mg/L	99	90	110			
WG623052ICB	ICB	10/30/25 19:23				U	mg/L		-0.018	0.018			
WG622960LRB	LRB	10/30/25 19:25				U	mg/L		-0.0132	0.0132			
WG622960LFB	LFB	10/30/25 19:27	MS251014-3	.050015		.0494	mg/L	99	85	115			
L97914-07LFM	LFM	10/30/25 19:52	MS2XW	.10016	U	.0975	mg/L	97	70	130			
L97914-07LFMD	LFMD	10/30/25 19:54	MS2XW	.10016	U	.0942	mg/L	94	70	130	3	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97900**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L97900-01	WG623175	Beryllium, total	EPA 200.8	DC	Sample required dilution. Non-target analyte exceeded calibration range.
	WG623311	Conductivity @25C	SM 2510 B-2011	Q12	A filtered sample was used for analysis because an unfiltered sample was not available.
	WG623925	Fluoride	SM 4500-F C-2011	DL	Sample required dilution due to high AL and/or FE value.
	WG623047	Manganese, total	EPA 200.8	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			EPA 200.8	R4	RPD for a spike and spike duplicate exceeded the method or laboratory acceptance limit. At a minimum, one spike recovery met acceptance criteria.
	WG623596	Nitrate/Nitrite as N	EPA 353.2	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).
	WG623311	pH	SM 4500-H+ B-2011	Q12	A filtered sample was used for analysis because an unfiltered sample was not available.
	WG623175	Selenium, total	EPA 200.8	DC	Sample required dilution. Non-target analyte exceeded calibration range.
	WG624161	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
				Q12	A filtered sample was used for analysis because an unfiltered sample was not available.
	WG623311	Total Alkalinity	SM 2320 B-2011	Q12	A filtered sample was used for analysis because an unfiltered sample was not available.
	WG622869	Total Hot Block Digestion ICP	EPA 200.2	DF	Sample required dilution due to high sediment.
			EPA 200.2	QB	Method-specified preservation criteria cannot be met due to sample matrix.
	WG622816	Total Hot Block Digestion ICP-MS	EPA 200.2	DF	Sample required dilution due to high sediment.
L97900-02	WG623596	Nitrate/Nitrite as N	EPA 353.2	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).
	WG624161	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L97900-03	WG623596	Nitrate/Nitrite as N	EPA 353.2	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).
	WG624161	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L97900-04	WG623596	Nitrate/Nitrite as N	EPA 353.2	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).
	WG624161	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

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:

<https://aczk.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97900**

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

Gross Alpha, total

EPA 900.0

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG622916																
WG622916PBW	PBW	10/31/25						2.4	1.5	5.3			10.6			
WG622916LCSWA	LCSW	10/31/25	PCN628501	99.9				79	7.4	4.3	79	67	144			
L96867-04DUP	DUP-RPD	10/31/25			44	11	13	39	10	18				12	20	
L97899-01MSA	MS	10/31/25	PCN628501	99.9	15	5.3	8.3	78	12	16	63	67	144			M2
L97900-02DUP	DUP-RPD	10/31/25			52	8.9	19	49	8.2	6.5				6	20	

Radium 226, total

EPA 903.1

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG625289																
WG625289LCSW	LCSW	12/16/25	PCN629606	20				17	0.47	0.05	85	43	148			N1
WG625289PBW	PBW	12/16/25						.14	0.1	0.09			0.18			
L97886-06DUP	DUP-RPD	12/16/25			-0.04	0.09	0.42	.09	0.11	0.39				520	20	RG
L97886-06DUP	DUP-RER	12/16/25			-0.04	0.09	0.42	.09	0.11	0.39				0.91	2	
L98076-01MS	MS	12/16/25	PCN629606	20	0.28	0.08	0.31	20	0.53	0.27	99	43	148			
L98076-02DUP	DUP-RER	12/16/25			0.19	0.11	0.32	.26	0.07	0.52				0.54	2	
L98076-02DUP	DUP-RPD	12/16/25			0.19	0.11	0.32	.26	0.07	0.52				31	20	RG

Radium 228, total

EPA 904.0

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG624722																
WG624722LCSW	LCSW	12/01/25	PCN627317	8.52				10	1.3	2.2	117	47	123			N1
WG624722PBW	PBW	12/01/25						3.4	2.4	6.8			13.6			
L97886-08DUP	DUP-RPD	12/01/25			0.15	0.7	1.9	.64	0.85	2.1				124	20	RG
L97886-08DUP	DUP-RER	12/01/25			0.15	0.7	1.9	.64	0.85	2.1				0.44	2	
L97899-01MS	MS	12/01/25	PCN627317	8.52	1.9	0.94	2.3	11	1.2	2.3	107	47	123			
L97929-01DUP	DUP-RER	12/01/25			1.8	1.1	2.5	1.3	0.89	2.2				0.35	2	
L97929-01DUP	DUP-RPD	12/01/25			1.8	1.1	2.5	1.3	0.89	2.2				32	20	RG

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97900

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

U-232

EICHRUM ACW03

Units: %

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG624833																
WG624833LCSW	LCSW	12/01/25	PCN627842					57	130	30						
WG624833PBW	PBW	12/01/25						86	130	30			60			
L97886-01DUP	DUP-RER	12/01/25			77	130	30	72	130	30					20	
L97886-01DUP	DUP-RPD	12/01/25			77	130	30							7	20	
L97886-01DUP	DUP-RPD	12/01/25			77	130	30	72	130	30					20	
L97900-02DUP	DUP-RER	12/02/25			82	130	30	81	130	30					20	
L97900-02DUP	DUP-RPD	12/02/25			82	130	30							1	20	
L97900-02DUP	DUP-RPD	12/02/25			82	130	30	81	130	30					20	
L97886-06MS	MS	12/02/25	PCN627842		85	130	30	76	130	30					20	
WG625179																
WG625179LCSW	LCSW	12/11/25	PCN627842					51	130	30						
WG625179PBW	PBW	12/11/25						56	130	30			60			
L98017-06DUP	DUP-RPD	12/12/25			82	130	30	70	130	30					20	
L98017-06DUP	DUP-RER	12/12/25			82	130	30	70	130	30					20	
L98017-06DUP	DUP-RPD	12/12/25			82	130	30							16	20	
L98152-02DUP	DUP-RPD	12/12/25			74	130	30	79	130	30					20	
L98152-02DUP	DUP-RPD	12/12/25			74	130	30							7	20	
L98152-02DUP	DUP-RER	12/12/25			74	130	30	79	130	30					20	
L98197-01MS	MS	12/12/25	PCN627842		78	130	30	59	130	30					20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97900

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

U-234

EICHRM ACW03

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/ISON	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG624833																
WG624833LCSW	LCSW	12/01/25	PCN627842	98.2				104	14	3.1	106	77	122			
WG624833PBW	PBW	12/01/25						-937	1.5	3			6			
L97886-01DUP	DUP-RPD	12/01/25			2.59	1.8	2.7	3.97	2.5	3.7				42	20	RG
L97886-01DUP	DUP-RER	12/01/25			2.59	1.8	2.7	3.97	2.5	3.7				0.45	2	
L97900-02DUP	DUP-RPD	12/02/25			33.9	5.7	3.2	37.2	5.9	2.4				9	20	
L97886-06MS	MS	12/02/25	PCN627842	98.2	1.49	1.4	2.3	94.5	12	2.8	95	77	122			
WG625179																
WG625179LCSW	LCSW	12/11/25	PCN627842	98.2				136	19	4.7	138	77	122			N1
WG625179PBW	PBW	12/11/25						-2.27	2.5	5			10			
L98017-06DUP	DUP-RPD	12/12/25			4.19	2.1	3	4.31	2.7	4				3	20	
L98152-02DUP	DUP-RER	12/12/25			2.77	2.1	3.2	.675	2.2	3.9				0.69	2	
L98152-02DUP	DUP-RPD	12/12/25			2.77	2.1	3.2	.675	2.2	3.9				122	20	RG
L98197-01MS	MS	12/12/25	PCN627842	98.2	2.83	1.7	2.3	95.5	14	4.1	94	77	122			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97900

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

U-235

EICHIROM ACW03

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG624833																
WG624833LCSW	LCSW	12/01/25	PCN627842	4.48				3.5	2.3	3.3	78	42	136			
WG624833PBW	PBW	12/01/25						-803	1.3	2.8			5.6			
L97886-01DUP	DUP-RER	12/01/25			-0.907	1.4	3	.87	1.5	2.7				0.87	2	
L97886-01DUP	DUP-RPD	12/01/25			-0.907	1.4	3	.87	1.5	2.7				9605	20	RG
L97900-02DUP	DUP-RER	12/02/25			2.39	1.9	2.8	3.12	1.8	2.3				0.28	2	
L97900-02DUP	DUP-RPD	12/02/25			2.39	1.9	2.8	3.12	1.8	2.3				26	20	RG
L97886-06MS	MS	12/02/25	PCN627842	4.48	-0.201	1	2.2	4.36	2.3	3.1	102	42	136			
WG625179																
WG625179LCSW	LCSW	12/11/25	PCN627842	4.48				8.53	3.7	4.4	190	42	136			N1
WG625179PBW	PBW	12/11/25						-2.74	2.1	4.7			9.4			
L98017-06DUP	DUP-RER	12/12/25			-0.981	1.2	2.7	-617	1.9	3.8				0.16	2	
L98017-06DUP	DUP-RPD	12/12/25			-0.981	1.2	2.7	-617	1.9	3.8				46	20	RG
L98152-02DUP	DUP-RPD	12/12/25			0.701	1.4	2.5	-756	1.5	3.1				5298	20	RG
L98152-02DUP	DUP-RER	12/12/25			0.701	1.4	2.5	-756	1.5	3.1				0.71	2	
L98197-01MS	MS	12/12/25	PCN627842	4.48	0.932	1.1	1.8	4.43	2.7	3.8	78	42	136			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97900

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

U-238

EICHRM ACW03

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG624833																
WG624833LCSW	LCSW	12/01/25	PCN627842	97.3				106	15	2.5	109	87	124			
WG624833PBW	PBW	12/01/25						-772	1.1	2.4			4.8			
L97886-01DUP	DUP-RPD	12/01/25			2.01	1.4	1.9	2.06	1.7	2.5				2	20	
L97900-02DUP	DUP-RPD	12/02/25			16.1	3.5	2.5	17.1	3.4	1.1				6	20	
L97886-06MS	MS	12/02/25	PCN627842	97.3	0.643	0.7	1.1	99.1	13	2.2	101	87	124			
WG625179																
WG625179LCSW	LCSW	12/11/25	PCN627842	97.3				151	21	2.7	155	87	124			N1
WG625179PBW	PBW	12/11/25						-761	1.6	3.4			6.8			
L98017-06DUP	DUP-RER	12/12/25			6.02	1.9	1.7	4.53	2.1	2.7				0.53	2	
L98017-06DUP	DUP-RPD	12/12/25			6.02	1.9	1.7	4.53	2.1	2.7				28	20	RG
L98152-02DUP	DUP-RER	12/12/25			-0.438	1.7	3.3	2.28	1.9	3				1.07	2	
L98152-02DUP	DUP-RPD	12/12/25			-0.438	1.7	3.3	2.28	1.9	3				295	20	RG
L98197-01MS	MS	12/12/25	PCN627842	97.3	0.537	0.99	1.8	100	14	2.4	102	87	124			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97900**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L97900-01	WG622916	Gross Alpha, total	EPA 900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG625289	Radium 226, total	EPA 903.1	D1	Sample required dilution due to matrix.
			EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624722	Radium 228, total	EPA 904.0	D1	Sample required dilution due to matrix.
			EPA 904.0	N1	See Case Narrative.
			EPA 904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG625179	Uranium 234, total	EICHROM ACW03	D1	Sample required dilution due to matrix.
			EICHROM ACW03	N1	See Case Narrative.
			EICHROM ACW03	N1A	See Case Narrative.
		Uranium 235, total	EICHROM ACW03	D1	Sample required dilution due to matrix.
			EICHROM ACW03	N1	See Case Narrative.
			EICHROM ACW03	N1A	See Case Narrative.
		Uranium 238, total	EICHROM ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
			EICHROM ACW03	D1	Sample required dilution due to matrix.
L97900-02	WG622916	Gross Alpha, total	EPA 900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG625289	Radium 226, total	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624722	Radium 228, total	EPA 904.0	N1	See Case Narrative.
			EPA 904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624833	Uranium 235, total	EICHROM ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L97900-03	WG622916	Gross Alpha, total	EPA 900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG625289	Radium 226, total	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624722	Radium 228, total	EPA 904.0	N1	See Case Narrative.
			EPA 904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG625179	Uranium 234, total	EICHROM ACW03	N1	See Case Narrative.
		Uranium 235, total	EICHROM ACW03	N1	See Case Narrative.
		Uranium 238, total	EICHROM ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
			EICHROM ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.

REPAD.15.06.05.01

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97900**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L97900-04	WG622916	Gross Alpha, total	EPA 900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG625289	Radium 226, total	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624722	Radium 228, total	EPA 904.0	N1	See Case Narrative.
			EPA 904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG625179	Uranium 234, total	EICHROM ACW03	N1	See Case Narrative.
		Uranium 235, total	EICHROM ACW03	N1	See Case Narrative.
			EICHROM ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
		Uranium 238, total	EICHROM ACW03	N1	See Case Narrative.
			EICHROM ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97900**

Radiochemistry

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

Uranium 234, total	EICHROM ACW03
Uranium 235, total	EICHROM ACW03
Uranium 238, total	EICHROM ACW03

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

Uranium 234, total	EICHROM ACW03
Uranium 235, total	EICHROM ACW03
Uranium 238, total	EICHROM ACW03

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97900

Date Received: 10/24/2025 15:01

Received By:

Date Printed: 10/27/2025

Receipt Verification

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

Samples/Containers

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

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Temp Criteria (°C)	Rad (µR/Hr)	Custody Seal Intact?
NA46572	2	<=6.0	30	Yes
	Ice Present? Yes - Wet ice was present in the shipment container(s).			
7839	0.1	<=6.0	50	Yes
	Ice Present? Yes - Wet ice was present in the shipment container(s).			

Was this a domestic shipment?

Yes - This is a domestic shipment.

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97900
Date Received: 10/24/2025 15:01
Received By:
Date Printed: 10/27/2025

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).



Laboratories, Inc. L97900

CHAIN OF CUSTODY

2773 Dowdell Drive, Steamboat Springs, CO 80487 (970) 744-1429

Report to:

Name: Kathy Weiner
 Company: Energy Fuels Resources
 E-mail: kwiener@energyfuels.com

Address: 255 Union Blvd. Suite 600
Lakewood, CO 80228
 Telephone: 303 389 4134

Copy of Report to:

Name: Jordan App
 Company:

E-mail: japp@energyfuels.com
 Telephone:

Invoice to:

Name: Accounts Payable
 Company: Energy Fuels Resources
 E-mail: accounts.payable@energyfuels.com

Address: 255 Union Blvd. Suite 600
Lakewood, CO 80228
 Telephone: 303 389 4141

Copy of Invoice to:

Name:
 Company:
 E-mail:

Address:
 Telephone:

If sampler(s) received past holding time (HT), or if insufficient HT remains to sample, analyze in advance expiration, shall ACZ proceed with requested shipment analysis.

Are samples for SDWA Compliance Monitoring?

If yes, please include state forms. Results will be reported to PUL for Colorado.

Sampler's Name: Chris Ferens Sampler's Site Information:State: AZ Zip code: Time Zone: MSTSampler's Signature: CCJ Fer

I attest to the authenticity and validity of the sample information and that the sample is being shipped in accordance with the sample in custody. It is understood that the sample is being shipped by State Line.

PROJECT INFORMATION

Quote #: PP-Sump-2025

PO#:

Reporting state for compliance testing:

Check box if samples include NRC licensed material?

SAMPLE IDENTIFICATION	DATE TIME	Matrix	# of Containers	Raw 401 Chem	500ml (Raw)	500ml (Wt Chem)	250ml (Wt Chem)	Metals 250g (Red PL)	Tot. Metals 250g (Red PL)	Rad. 4L (Cubes)	Rad. 100g (Med Rad)
Sump-14 2010222025	10/22/25 11:15	WW	7	X	X	X	X	X	X	X	X
Pre-WTP 10232025	10/23/25 08:20	WW	7	X	X	X	X	X	X	X	X
Post-WTP 10232025	10/23/25 08:42	WW	7	X	X	X	X	X	X	X	X
Post-WTP 10232025	10/23/25 09:15	WW	7	X	X	X	X	X	X	X	X

Matrix: SW (Surface Water) GW (Ground Water) WW (Waste Water) DW (Drinking Water) SL (Sludge) SO (Soil) OL (Oil) Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC

RELINQUISHED BY:

DATE TIME

RECEIVED BY:

DATE TIME

CCJ Fer

10/23/25 14:15

CCJ Fer

10/24/25

1339

Qualtrax ID 1584

Revision # 3

White - Return with sample

Yellow - Retain for your records.

L97900 Chain of Custody

December 18, 2025

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: Jordan App

Project ID:

ACZ Project ID: L97899

Kathy Weinel:

Enclosed are revised analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 24, 2025 and originally reported on December 16, 2025. Refer to the case narrative for an explanation of the changes. This project was assigned to ACZ's project number, L97899. 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 L97899. 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 15, 2026. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

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

Madeleine Murray

Madeleine Murray has reviewed
and approved this report.



Energy Fuels Resources (USA) Inc.

December 18, 2025

Project ID:

ACZ Project ID: L97899

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 5 groundwater samples from Energy Fuels Resources (USA) Inc. on October 24, 2025. 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 L97899. 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 except for parameters flagged with an "HC", requiring re-analysis after the hold time had expired.

Sample Analysis

These samples were analyzed for inorganic, radiochemistry parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The following required further detail not provided by the Extended Qualifier Report:

1. The below is from WG624722, Qualifier: N1, Applies to: L97899-01 through -05/RADIUM 228 - Prep blank (PBW) total Barium and Yttrium recovery low. PBW value less than LLD. Sample deemed acceptable for control.

This report was revised on 12/18/25 to include results for corrected Gross Alpha, which were missing from the initial report. No other changes were made.



Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Reference

Report Header Explanations

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

QC Sample Types

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

QC Sample Type Explanations

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

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97899

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

Alkalinity as CaCO₃

SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623054													
WG623054PBW1	PBW	10/30/25 14:53				14.3	mg/L		-20	20			
WG623054LCSW3	LCSW	10/30/25 15:09	WC251027-8	820.0001		813.8	mg/L	99	90	110			
WG623054LCSW6	LCSW	10/30/25 18:22	WC251027-8	820.0001		812.4	mg/L	99	90	110			
WG623054PBW2	PBW	10/30/25 18:39				14.6	mg/L		-20	20			
WG623054LCSW9	LCSW	10/30/25 22:50	WC251027-8	820.0001		824.6	mg/L	101	90	110			
WG623054PBW3	PBW	10/30/25 23:12				16.6	mg/L		-20	20			
WG623054LCSW12	LCSW	10/31/25 4:42	WC251027-8	820.0001		819.6	mg/L	100	90	110			
WG623054PBW4	PBW	10/31/25 5:04				14.5	mg/L		-20	20			
WG623054LCSW15	LCSW	10/31/25 10:27	WC251027-8	820.0001		830.4	mg/L	101	90	110			
WG623054PBW5	PBW	10/31/25 10:50				11.4	mg/L		-20	20			
L97914-03DUP	DUP	10/31/25 13:37			25.1	23.9	mg/L				5	20	
WG623054LCSW18	LCSW	10/31/25 16:41	WC251027-8	820.0001		844	mg/L	103	90	110			
WG623311													
WG623311PBW1	PBW	11/04/25 18:18				16.7	mg/L		-20	20			
WG623311LCSW3	LCSW	11/04/25 18:35	WC251027-8	820.0001		802.8	mg/L	98	90	110			
WG623311LCSW6	LCSW	11/04/25 22:39	WC251027-8	820.0001		818	mg/L	100	90	110			
WG623311PBW2	PBW	11/04/25 23:00				17.7	mg/L		-20	20			
WG623311LCSW9	LCSW	11/05/25 5:39	WC251027-8	820.0001		805.1	mg/L	98	90	110			
WG623311PBW3	PBW	11/05/25 6:01				15.8	mg/L		-20	20			
L97901-01DUP	DUP	11/05/25 11:16			265	268.6	mg/L				1	20	
WG623311LCSW12	LCSW	11/05/25 11:40	WC251027-8	820.0001		813.5	mg/L	99	90	110			
WG623311PBW4	PBW	11/05/25 12:05				14.6	mg/L		-20	20			
WG623311LCSW15	LCSW	11/05/25 18:00	WC251027-8	820.0001		823	mg/L	100	90	110			

Antimony, dissolved

EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623442													
WG623442ICV	ICV	11/06/25 13:27	MS250911-3	.02		.01908	mg/L	95	90	110			
WG623442ICB	ICB	11/06/25 13:29				U	mg/L		-0.00088	0.00088			
WG623442LFB	LFB	11/06/25 13:31	MS251014-3	.01		.00984	mg/L	98	85	115			
L97899-05AS	AS	11/06/25 13:43	MS251014-3	.01	U	.01014	mg/L	101	70	130			
L97899-05ASD	ASD	11/06/25 13:45	MS251014-3	.01	U	.01038	mg/L	104	70	130	2	20	

Arsenic, dissolved

EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623442													
WG623442ICV	ICV	11/06/25 13:27	MS250911-3	.05		.04711	mg/L	94	90	110			
WG623442ICB	ICB	11/06/25 13:29				U	mg/L		-0.00044	0.00044			
WG623442LFB	LFB	11/06/25 13:31	MS251014-3	.05005		.05052	mg/L	101	85	115			
L97899-05AS	AS	11/06/25 13:43	MS251014-3	.05005	.00021	.0532	mg/L	106	70	130			
L97899-05ASD	ASD	11/06/25 13:45	MS251014-3	.05005	.00021	.05533	mg/L	110	70	130	4	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97899**

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

Barium, dissolved

EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623553													
WG623553ICV	ICV	11/07/25 17:30	II251028-2	2		1.984	mg/L	99	95	105			
WG623553ICB	ICB	11/07/25 17:36				U	mg/L		-0.027	0.027			
WG623553LFB	LFB	11/07/25 17:49	II251024-3	.501		.508	mg/L	101	85	115			
L97899-01AS	AS	11/07/25 17:55	II251024-3	.501	.0477	.5552	mg/L	101	85	115			
L97899-01ASD	ASD	11/07/25 17:58	II251024-3	.501	.0477	.554	mg/L	101	85	115	0	20	

WG623584

WG623584ICV	ICV	11/08/25 9:07	II251028-2	2		1.94	mg/L	97	95	105			
WG623584ICB	ICB	11/08/25 9:09				U	mg/L		-0.027	0.027			
WG623584LFB	LFB	11/08/25 9:18	II251024-3	.501		.481	mg/L	96	85	115			
L97899-04AS	AS	11/08/25 9:26	II251024-3	.501	.0788	.56	mg/L	96	85	115			
L97899-04ASD	ASD	11/08/25 9:28	II251024-3	.501	.0788	.57	mg/L	98	85	115	2	20	

Beryllium, dissolved

EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623442													
WG623442ICV	ICV	11/06/25 13:27	MS250911-3	.05		.047213	mg/L	94	90	110			
WG623442ICB	ICB	11/06/25 13:29				.000089	mg/L		-0.000176	0.000176			
WG623442LFB	LFB	11/06/25 13:31	MS251014-3	.0501		.04993	mg/L	100	85	115			
L97899-05AS	AS	11/06/25 13:43	MS251014-3	.0501	U	.05086	mg/L	102	70	130			
L97899-05ASD	ASD	11/06/25 13:45	MS251014-3	.0501	U	.05064	mg/L	101	70	130	0	20	

Cadmium, dissolved

EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623442													
WG623442ICV	ICV	11/06/25 13:27	MS250911-3	.05		.048565	mg/L	97	90	110			
WG623442ICB	ICB	11/06/25 13:29				U	mg/L		-0.00011	0.00011			
WG623442LFB	LFB	11/06/25 13:31	MS251014-3	.05005		.049827	mg/L	100	85	115			
L97899-05AS	AS	11/06/25 13:43	MS251014-3	.05005	U	.051523	mg/L	103	70	130			
L97899-05ASD	ASD	11/06/25 13:45	MS251014-3	.05005	U	.052847	mg/L	106	70	130	3	20	

Calcium, dissolved

EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623553													
WG623553ICV	ICV	11/07/25 17:30	II251028-2	100		100.1	mg/L	100	95	105			
WG623553ICB	ICB	11/07/25 17:36				U	mg/L		-0.6	0.6			
WG623553LFB	LFB	11/07/25 17:49	II251024-3	68.53982		70.53	mg/L	103	85	115			
L97899-01AS	AS	11/07/25 17:55	II251024-3	68.53982	96.3	162.8	mg/L	97	85	115			
L97899-01ASD	ASD	11/07/25 17:58	II251024-3	68.53982	96.3	162.5	mg/L	97	85	115	0	20	

WG623584

WG623584ICV	ICV	11/08/25 9:07	II251028-2	100		100	mg/L	100	95	105			
WG623584ICB	ICB	11/08/25 9:09				U	mg/L		-0.6	0.6			
WG623584LFB	LFB	11/08/25 9:18	II251024-3	68.53982		65.1	mg/L	95	85	115			
L97899-04AS	AS	11/08/25 9:26	II251024-3	68.53982	42.7	109	mg/L	97	85	115			
L97899-04ASD	ASD	11/08/25 9:28	II251024-3	68.53982	42.7	109	mg/L	97	85	115	0	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97899**

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

Chromium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623584													
WG623584ICV	ICV	11/08/25 9:07	II251028-2	2		1.95	mg/L	98	95	105			
WG623584ICB	ICB	11/08/25 9:09				U	mg/L		-0.06	0.06			
WG623584LFB	LFB	11/08/25 9:18	II251024-3	.5015		.483	mg/L	96	85	115			
L97899-04AS	AS	11/08/25 9:26	II251024-3	.5015	U	.495	mg/L	99	85	115			
L97899-04ASD	ASD	11/08/25 9:28	II251024-3	.5015	U	.497	mg/L	99	85	115	0	20	
WG623674													
WG623674ICV	ICV	11/10/25 13:16	II251028-2	2		2	mg/L	100	95	105			
WG623674ICB	ICB	11/10/25 13:19				U	mg/L		-0.06	0.06			
WG623674LFB	LFB	11/10/25 13:27	II251024-3	.5015		.507	mg/L	101	85	115			
L97886-08AS	AS	11/10/25 13:45	II251024-3	.5015	U	.501	mg/L	100	85	115			
L97886-08ASD	ASD	11/10/25 13:52	II251024-3	.5015	U	.499	mg/L	100	85	115	0	20	
L98020-03AS	AS	11/10/25 14:16	II251024-3	.5015	U	.511	mg/L	102	85	115			
L98020-03ASD	ASD	11/10/25 14:18	II251024-3	.5015	U	.497	mg/L	99	85	115	3	20	

Conductivity @25C SM 2510 B-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623054													
WG623054LCSW2	LCSW	10/30/25 15:06	PCN628898	1410		1416	umhos/cm	100	90	110			
WG623054LCSW5	LCSW	10/30/25 18:19	PCN628898	1410		1423	umhos/cm	101	90	110			
WG623054LCSW8	LCSW	10/30/25 22:48	PCN628898	1410		1429	umhos/cm	101	90	110			
WG623054LCSW11	LCSW	10/31/25 4:39	PCN628898	1410		1420	umhos/cm	101	90	110			
WG623054LCSW14	LCSW	10/31/25 10:24	PCN628898	1410		1419	umhos/cm	101	90	110			
L97914-03DUP	DUP	10/31/25 13:37			1160	1166	umhos/cm				1	20	
WG623054LCSW17	LCSW	10/31/25 16:39	PCN628898	1410		1437	umhos/cm	102	90	110			
WG623311													
WG623311LCSW2	LCSW	11/04/25 18:33	PCN628898	1410		1429	umhos/cm	101	90	110			
WG623311LCSW5	LCSW	11/04/25 22:36	PCN628898	1410		1416	umhos/cm	100	90	110			
WG623311LCSW8	LCSW	11/05/25 5:36	PCN628898	1410		1424	umhos/cm	101	90	110			
L97901-01DUP	DUP	11/05/25 11:16			581	580	umhos/cm				0	20	
WG623311LCSW11	LCSW	11/05/25 11:38	PCN628898	1410		1427	umhos/cm	101	90	110			
WG623311LCSW14	LCSW	11/05/25 17:58	PCN628898	1410		1438	umhos/cm	102	90	110			

Fluoride SM 4500-F C-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623925													
WG623925ICV	ICV	11/12/25 16:56	WC251104-2	2		1.93	mg/L	97	90	110			
WG623925ICB	ICB	11/12/25 17:03				U	mg/L		-0.3	0.3			
WG623925LFB1	LFB	11/12/25 17:15	WC250604-1	5		5.2	mg/L	104	90	110			
WG623925LFB2	LFB	11/12/25 20:27	WC250604-1	5		5.28	mg/L	106	90	110			
L97900-04AS	AS	11/12/25 21:38	WC250604-1	5	.2	5.45	mg/L	105	90	110			
L97900-04ASD	ASD	11/12/25 21:42	WC250604-1	5	.2	5.39	mg/L	104	90	110	1	20	

Energy Fuels Resources (USA) Inc.ACZ Project ID: **L97899**

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

Lead, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623442													
WG623442ICV	ICV	11/06/25 13:27	MS250911-3	.05		.05025	mg/L	101	90	110			
WG623442ICB	ICB	11/06/25 13:29				U	mg/L		-0.00022	0.00022			
WG623442LFB	LFB	11/06/25 13:31	MS251014-3	.05005		.05012	mg/L	100	85	115			
L97899-05AS	AS	11/06/25 13:43	MS251014-3	.05005	.0004	.05148	mg/L	102	70	130			
L97899-05ASD	ASD	11/06/25 13:45	MS251014-3	.05005	.0004	.05289	mg/L	105	70	130	3	20	

Magnesium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623553													
WG623553ICV	ICV	11/07/25 17:30	II251028-2	100		98.19	mg/L	98	95	105			
WG623553ICB	ICB	11/07/25 17:36				U	mg/L		-0.6	0.6			
WG623553LFB	LFB	11/07/25 17:49	II251024-3	50.3388		49.56	mg/L	98	85	115			
L97899-01AS	AS	11/07/25 17:55	II251024-3	50.3388	50.4	98.16	mg/L	95	85	115			
L97899-01ASD	ASD	11/07/25 17:58	II251024-3	50.3388	50.4	97.9	mg/L	94	85	115	0	20	
WG623584													
WG623584ICV	ICV	11/08/25 9:07	II251028-2	100		97.4	mg/L	97	95	105			
WG623584ICB	ICB	11/08/25 9:09				U	mg/L		-0.6	0.6			
WG623584LFB	LFB	11/08/25 9:18	II251024-3	50.3388		47.4	mg/L	94	85	115			
L97899-04AS	AS	11/08/25 9:26	II251024-3	50.3388	29.7	75.4	mg/L	91	85	115			
L97899-04ASD	ASD	11/08/25 9:28	II251024-3	50.3388	29.7	77.3	mg/L	95	85	115	2	20	

Mercury, dissolved EPA 245.1

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623410													
WG623410ICV	ICV	11/06/25 13:04	HG251016-3	.005015		.00474	mg/L	95	95	105			
WG623410ICV1	ICV	11/06/25 13:05	HG251016-3	.005015		.00479	mg/L	96	95	105			
WG623410ICB	ICB	11/06/25 13:06				U	mg/L		-0.0002	0.0002			
WG623413													
WG623413LRB	LRB	11/06/25 13:44				U	mg/L		-0.00044	0.00044			
WG623413LFB	LFB	11/06/25 13:45	HG251027-6	.002002		.0019	mg/L	95	85	115			
L97899-02LFM	LFM	11/06/25 13:48	HG251027-6	.002002	U	.00185	mg/L	92	85	115			
L97899-02LFMD	LFMD	11/06/25 13:49	HG251027-6	.002002	U	.00194	mg/L	97	85	115	5	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97899

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

Nickel, dissolved

EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623553													
WG623553ICV	ICV	11/07/25 17:30	II251028-2	2.004		2.0358	mg/L	102	95	105			
WG623553ICB	ICB	11/07/25 17:36				U	mg/L		-0.024	0.024			
WG623553LFB	LFB	11/07/25 17:49	II251024-3	.5		.532	mg/L	106	85	115			
L97899-01AS	AS	11/07/25 17:55	II251024-3	.5	.0353	.5548	mg/L	104	85	115			
L97899-01ASD	ASD	11/07/25 17:58	II251024-3	.5	.0353	.557	mg/L	104	85	115	0	20	

WG623584

WG623584ICV	ICV	11/08/25 9:07	II251028-2	2.004		1.98	mg/L	99	95	105			
WG623584ICB	ICB	11/08/25 9:09				U	mg/L		-0.024	0.024			
WG623584LFB	LFB	11/08/25 9:18	II251024-3	.5		.512	mg/L	102	85	115			
L97899-04AS	AS	11/08/25 9:26	II251024-3	.5	.0196	.532	mg/L	102	85	115			
L97899-04ASD	ASD	11/08/25 9:28	II251024-3	.5	.0196	.534	mg/L	103	85	115	0	20	

Nitrate/Nitrite as N

EPA 353.2

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623589													
WG623589ICV	ICV	11/07/25 23:02	WI251008-11	2.416		2.468	mg/L	102	90	110			
WG623589ICB	ICB	11/07/25 23:03				U	mg/L		-0.02	0.02			
WG623592													
WG623592LFB	LFB	11/08/25 1:27	WI250801-9	2		1.999	mg/L	100	90	110			
L97848-01AS	AS	11/08/25 1:30	WI250801-9	2	U	2.032	mg/L	102	90	110			
L97848-02DUP	DUP	11/08/25 1:32			.026	.026	mg/L				0	20	RA
L97899-02AS	AS	11/08/25 1:49	WI250801-9	2	U	2.014	mg/L	101	90	110			
L97899-03DUP	DUP	11/08/25 1:51			U	U	mg/L				0	20	RA

pH (lab)

SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623054													
WG623054LCSW1	LCSW	10/30/25 15:03	PCN627839	6		6.02	units	100	5.9	6.1			
WG623054LCSW4	LCSW	10/30/25 18:16	PCN627839	6		6.03	units	101	5.9	6.1			
WG623054LCSW7	LCSW	10/30/25 22:44	PCN627839	6		6.03	units	101	5.9	6.1			
WG623054LCSW10	LCSW	10/31/25 4:35	PCN627839	6		6.03	units	101	5.9	6.1			
WG623054LCSW13	LCSW	10/31/25 10:21	PCN627839	6		6.02	units	100	5.9	6.1			
L97914-03DUP	DUP	10/31/25 13:37			6.6	6.3	units				5	20	
WG623054LCSW16	LCSW	10/31/25 16:35	PCN627839	6		6.02	units	100	5.9	6.1			
WG623311													
WG623311LCSW1	LCSW	11/04/25 18:29	PCN627839	6		6.03	units	101	5.9	6.1			
WG623311LCSW4	LCSW	11/04/25 22:33	PCN627839	6		6.04	units	101	5.9	6.1			
WG623311LCSW7	LCSW	11/05/25 5:33	PCN627839	6		6.04	units	101	5.9	6.1			
L97901-01DUP	DUP	11/05/25 11:16			8.1	8.3	units				2	20	
WG623311LCSW10	LCSW	11/05/25 11:34	PCN627839	6		6.03	units	101	5.9	6.1			
WG623311LCSW13	LCSW	11/05/25 17:54	PCN627839	6		6.02	units	100	5.9	6.1			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97899**

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

Potassium, dissolved

EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623553													
WG623553ICV	ICV	11/07/25 17:30	II251028-2	20		19.68	mg/L	98	95	105			
WG623553ICB	ICB	11/07/25 17:36				U	mg/L		-1.5	1.5			
WG623553LFB	LFB	11/07/25 17:49	II251024-3	100.0209		100.3	mg/L	100	85	115			
L97899-01AS	AS	11/07/25 17:55	II251024-3	100.0209	1.95	104.2	mg/L	102	85	115			
L97899-01ASD	ASD	11/07/25 17:58	II251024-3	100.0209	1.95	103.9	mg/L	102	85	115	0	20	
WG623584													
WG623584ICV	ICV	11/08/25 9:07	II251028-2	20		19.9	mg/L	100	95	105			
WG623584ICB	ICB	11/08/25 9:09				U	mg/L		-1.5	1.5			
WG623584LFB	LFB	11/08/25 9:18	II251024-3	100.0209		91.2	mg/L	91	85	115			
L97899-04AS	AS	11/08/25 9:26	II251024-3	100.0209	2.37	99.5	mg/L	97	85	115			
L97899-04ASD	ASD	11/08/25 9:28	II251024-3	100.0209	2.37	99.7	mg/L	97	85	115	0	20	

Residue, Filterable (TDS) @180C

SM 2540 C-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG622867													
WG622867PBW	PBW	10/28/25 15:40				54	mg/L		-20	20			B7
WG622867LCSW	LCSW	10/28/25 15:42	PCN629364	1000		1056	mg/L	106	90	110			
WG623721													
WG623721PBW	PBW	11/10/25 15:50				U	mg/L		-20	20			
WG623721LCSW	LCSW	11/10/25 15:53	PCN628452	1000		1004	mg/L	100	90	110			
L97861-01DUP	DUP	11/10/25 16:14			200	194	mg/L				3	10	
WG623728													
WG623728PBW	PBW	11/10/25 16:35				U	mg/L		-20	20			
WG623728LCSW	LCSW	11/10/25 16:37	PCN628452	1000		996	mg/L	100	90	110			
L97921-01DUP	DUP	11/10/25 17:06			9600	9660	mg/L				1	10	
WG624217													
WG624217PBW	PBW	11/17/25 14:05				U	mg/L		-20	20			
WG624217LCSW	LCSW	11/17/25 14:08	PCN628449	1000		1024	mg/L	102	90	110			
L98274-01DUP	DUP	11/17/25 14:43			556	558	mg/L				0	10	

Selenium, dissolved

EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623442													
WG623442ICV	ICV	11/06/25 13:27	MS250911-3	.05		.05065	mg/L	101	90	110			
WG623442ICB	ICB	11/06/25 13:29				.00011	mg/L		-0.00022	0.00022			
WG623442LFB	LFB	11/06/25 13:31	MS251014-3	.05005		.05017	mg/L	100	85	115			
L97899-05AS	AS	11/06/25 13:43	MS251014-3	.05005	.00648	.06141	mg/L	110	70	130			
L97899-05ASD	ASD	11/06/25 13:45	MS251014-3	.05005	.00648	.06485	mg/L	117	70	130	5	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97899**

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

Sodium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623553													
WG623553ICV	ICV	11/07/25 17:30	II251028-2	100		100.98	mg/L	101	95	105			
WG623553ICB	ICB	11/07/25 17:36				U	mg/L		-0.6	0.6			
WG623553LFB	LFB	11/07/25 17:49	II251024-3	100.2493		100.9	mg/L	101	85	115			
L97899-01AS	AS	11/07/25 17:55	II251024-3	100.2493	3.15	105.9	mg/L	102	85	115			
L97899-01ASD	ASD	11/07/25 17:58	II251024-3	100.2493	3.15	105.7	mg/L	102	85	115	0	20	
WG623584													
WG623584ICV	ICV	11/08/25 9:07	II251028-2	100		100	mg/L	100	95	105			
WG623584ICB	ICB	11/08/25 9:09				U	mg/L		-0.6	0.6			
WG623584LFB	LFB	11/08/25 9:18	II251024-3	100.2493		92.5	mg/L	92	85	115			
L97899-04AS	AS	11/08/25 9:26	II251024-3	100.2493	6.57	104	mg/L	97	85	115			
L97899-04ASD	ASD	11/08/25 9:28	II251024-3	100.2493	6.57	104	mg/L	97	85	115	0	20	

Sulfate ASTM D516-07/-11/-16

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG624037													
WG624037ICV	ICV	11/14/25 10:37	WI251031-2	19.96		19.7	mg/L	99	85	115			
WG624037ICB	ICB	11/14/25 10:37				U	mg/L		-2.5	2.5			
WG624037LFB	LFB	11/14/25 10:46	WI251015-1	10		10.6	mg/L	106	85	115			
L97899-01AS	AS	11/14/25 11:20	SO4TURB25X	10	235	208.7	mg/L	-263	85	115			M3
L97899-01ASD	ASD	11/14/25 11:20	SO4TURB25X	10	235	236	mg/L	10	85	115	12	20	M3

Thallium, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623442													
WG623442ICV	ICV	11/06/25 13:27	MS250911-3	.05		.04996	mg/L	100	90	110			
WG623442ICB	ICB	11/06/25 13:29				U	mg/L		-0.00022	0.00022			
WG623442LFB	LFB	11/06/25 13:31	MS251014-3	.0501		.05003	mg/L	100	85	115			
L97899-05AS	AS	11/06/25 13:43	MS251014-3	.0501	U	.05158	mg/L	103	70	130			
L97899-05ASD	ASD	11/06/25 13:45	MS251014-3	.0501	U	.05282	mg/L	105	70	130	2	20	

Uranium, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG623442													
WG623442ICV	ICV	11/06/25 13:27	MS250911-3	.05		.04878	mg/L	98	90	110			
WG623442ICB	ICB	11/06/25 13:29				U	mg/L		-0.00022	0.00022			
WG623442LFB	LFB	11/06/25 13:31	MS251014-3	.05		.04959	mg/L	99	85	115			
L97899-05AS	AS	11/06/25 13:43	MS251014-3	.05	.0155	.06693	mg/L	103	70	130			
L97899-05ASD	ASD	11/06/25 13:45	MS251014-3	.05	.0155	.06832	mg/L	106	70	130	2	20	

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97899**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L97899-01	WG623592	Nitrate/Nitrite as N	EPA 353.2	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).
	WG622867	Residue, Filterable (TDS) @180C	SM 2540 C-2011	B7	Target analyte detected in prep / method blank at or above acceptance limit. Sample value is > 10X the concentration in the method blank.
	WG624037	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L97899-02	WG623592	Nitrate/Nitrite as N	EPA 353.2	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).
	WG624217	Residue, Filterable (TDS) @180C	SM 2540 C-2011	HC	Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.
	WG624037	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L97899-03	WG623592	Nitrate/Nitrite as N	EPA 353.2	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).
	WG622867	Residue, Filterable (TDS) @180C	SM 2540 C-2011	B7	Target analyte detected in prep / method blank at or above acceptance limit. Sample value is > 10X the concentration in the method blank.
	WG624037	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L97899-04	WG623592	Nitrate/Nitrite as N	EPA 353.2	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).
	WG623721	Residue, Filterable (TDS) @180C	SM 2540 C-2011	HC	Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.
	WG624037	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L97899-05	WG623592	Nitrate/Nitrite as N	EPA 353.2	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).
	WG623728	Residue, Filterable (TDS) @180C	SM 2540 C-2011	HC	Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.
	WG624037	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

REPAD.15.06.05.01

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:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97899

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

Gross Alpha, total

EPA 900.0

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG622916																
WG622916PBW	PBW	10/31/25						2.4	1.5	5.3			10.6			
WG622916LCSWA	LCSW	10/31/25	PCN628501	99.9				79	7.4	4.3	79	67	144			
L978867-04DUP	DUP-RPD	10/31/25			44	11	13	39	10	18				12	20	
L97899-01MSA	MS	10/31/25	PCN628501	99.9	15	5.3	8.3	78	12	16	63	67	144			M2
L97900-02DUP	DUP-RPD	10/31/25			52	8.9	19	49	8.2	6.5				6	20	

Radium 226, total

EPA 903.1

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG625289																
WG625289LCSW	LCSW	12/16/25	PCN629606	20				17	0.47	0.05	85	43	148			N1
WG625289PBW	PBW	12/16/25						.14	0.1	0.09			0.18			
L97886-06DUP	DUP-RER	12/16/25			-0.04	0.09	0.42	.09	0.11	0.39				0.91	2	
L97886-06DUP	DUP-RPD	12/16/25			-0.04	0.09	0.42	.09	0.11	0.39				520	20	RG
L98076-01MS	MS	12/16/25	PCN629606	20	0.28	0.08	0.31	20	0.53	0.27	99	43	148			RG
L98076-02DUP	DUP-RPD	12/16/25			0.19	0.11	0.32	.26	0.07	0.52				31	20	
L98076-02DUP	DUP-RER	12/16/25			0.19	0.11	0.32	.26	0.07	0.52				0.54	2	

Radium 228, total

EPA 904.0

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG624722																
WG624722LCSW	LCSW	12/01/25	PCN627317	8.52				10	1.3	2.2	117	47	123			N1
WG624722PBW	PBW	12/01/25						3.4	2.4	6.8			13.6			
L97886-08DUP	DUP-RPD	12/01/25			0.15	0.7	1.9	.64	0.85	2.1				124	20	RG
L97886-08DUP	DUP-RER	12/01/25			0.15	0.7	1.9	.64	0.85	2.1				0.44	2	
L97899-01MS	MS	12/01/25	PCN627317	8.52	1.9	0.94	2.3	11	1.2	2.3	107	47	123			
L97929-01DUP	DUP-RER	12/01/25			1.8	1.1	2.5	1.3	0.89	2.2				0.35	2	
L97929-01DUP	DUP-RPD	12/01/25			1.8	1.1	2.5	1.3	0.89	2.2				32	20	RG

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97899

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

U-232

EICHRM ACW03

Units: %

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG624833																
WG624833LCSW	LCSW	12/01/25	PCN627842					57	130	30						
WG624833PBW	PBW	12/01/25						86	130	30			60			
L97886-01DUP	DUP-RPD	12/01/25			77	130	30	72	130	30					20	
L97886-01DUP	DUP-RER	12/01/25			77	130	30	72	130	30					20	
L97886-01DUP	DUP-RPD	12/01/25			77	130	30							7	20	
L97900-02DUP	DUP-RPD	12/02/25			82	130	30	81	130	30					20	
L97900-02DUP	DUP-RPD	12/02/25			82	130	30							1	20	
L97900-02DUP	DUP-RER	12/02/25			82	130	30	81	130	30					20	
L97886-06MS	MS	12/02/25	PCN627842		85	130	30	76	130	30					20	

U-234

EICHRM ACW03

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG624833																
WG624833LCSW	LCSW	12/01/25	PCN627842	98.2				104	14	3.1	106	77	122			
WG624833PBW	PBW	12/01/25						-937	1.5	3			6			
L97886-01DUP	DUP-RPD	12/01/25			2.59	1.8	2.7	3.97	2.5	3.7				42	20	RG
L97886-01DUP	DUP-RER	12/01/25			2.59	1.8	2.7	3.97	2.5	3.7				0.45	2	
L97900-02DUP	DUP-RPD	12/02/25			33.9	5.7	3.2	37.2	5.9	2.4				9	20	
L97886-06MS	MS	12/02/25	PCN627842	98.2	1.49	1.4	2.3	94.5	12	2.8	95	77	122			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97899

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

U-235

EICHROM ACW03

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG624833																
WG624833LCSW	LCSW	12/01/25	PCN627842	4.48				3.5	2.3	3.3	78	42	136			
WG624833PBW	PBW	12/01/25						-803	1.3	2.8			5.6			
L97886-01DUP	DUP-RPD	12/01/25			-0.907	1.4	3	.87	1.5	2.7				9605	20	RG
L97886-01DUP	DUP-RER	12/01/25			-0.907	1.4	3	.87	1.5	2.7				0.87	2	
L97900-02DUP	DUP-RER	12/02/25			2.39	1.9	2.8	3.12	1.8	2.3				0.28	2	
L97900-02DUP	DUP-RPD	12/02/25			2.39	1.9	2.8	3.12	1.8	2.3				26	20	RG
L97886-06MS	MS	12/02/25	PCN627842	4.48	-0.201	1	2.2	4.36	2.3	3.1	102	42	136			

U-238

EICHROM ACW03

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec%	Lower	Upper	RPD/RER	Limit	Qual
WG624833																
WG624833LCSW	LCSW	12/01/25	PCN627842	97.3				106	15	2.5	109	87	124			
WG624833PBW	PBW	12/01/25						-772	1.1	2.4			4.8			
L97886-01DUP	DUP-RPD	12/01/25			2.01	1.4	1.9	2.06	1.7	2.5				2	20	
L97900-02DUP	DUP-RPD	12/02/25			16.1	3.5	2.5	17.1	3.4	1.1				6	20	
L97886-06MS	MS	12/02/25	PCN627842	97.3	0.643	0.7	1.1	99.1	13	2.2	101	87	124			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: **L97899**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L97899-01	WG622916	Gross Alpha, total	EPA 900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG625289	Radium 226, total	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624722	Radium 228, total	EPA 904.0	N1	See Case Narrative.
			EPA 904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624833	Uranium 235, total	EICHROM ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L97899-02	WG622916	Gross Alpha, total	EPA 900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG625289	Radium 226, total	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624722	Radium 228, total	EPA 904.0	N1	See Case Narrative.
			EPA 904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624833	Uranium 235, total	EICHROM ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L97899-03	WG622916	Gross Alpha, total	EPA 900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG625289	Radium 226, total	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624722	Radium 228, total	EPA 904.0	N1	See Case Narrative.
			EPA 904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624833	Uranium 235, total	EICHROM ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L97899-04	WG622916	Gross Alpha, total	EPA 900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG625289	Radium 226, total	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624722	Radium 228, total	EPA 904.0	N1	See Case Narrative.
			EPA 904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624833	Uranium 235, total	EICHROM ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L97899-05	WG622916	Gross Alpha, total	EPA 900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG625289	Radium 226, total	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624722	Radium 228, total	EPA 904.0	N1	See Case Narrative.
			EPA 904.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG624833	Uranium 235, total	EICHROM ACW03	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.

REPAD.15.06.05.01

Energy Fuels Resources (USA) Inc.ACZ Project ID: **L97899**

Radiochemistry

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

Uranium 234, total	EICHROM ACW03
Uranium 235, total	EICHROM ACW03
Uranium 238, total	EICHROM ACW03

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

Uranium 234, total	EICHROM ACW03
Uranium 235, total	EICHROM ACW03
Uranium 238, total	EICHROM ACW03

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97899

Date Received: 10/24/2025 14:56

Received By:

Date Printed: 10/27/2025

Receipt Verification

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

Samples/Containers

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

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Temp Criteria (°C)	Rad (µR/Hr)	Custody Seal Intact?
NA46572	2	<=6.0	30	Yes
	Ice Present? Yes - Wet ice was present in the shipment container(s).			
7839	0.1	<=6.0	50	Yes
	Ice Present? Yes - Wet ice was present in the shipment container(s).			
7538	-1.4	<=6.0	15	Yes
	Ice Present? Yes - Wet ice was present in the shipment container(s).			

Energy Fuels Resources (USA) Inc.

ACZ Project ID: L97899

Date Received: 10/24/2025 14:56

Received By:

Date Printed: 10/27/2025

Was this a domestic shipment?

Yes - This is a domestic shipment.

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

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

ACZ Laboratories, Inc. 197809 CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name: Kathy Weiner

Company: Energy Fuels Resources

E-mail: kweiner@energyfuels.com

Address: 255 Union Blvd. Suite 600

City: Lakewood, CO 80228

Telephone: 303 389 4134

Copy of report to:

Name: Jordan App

Company:

E-mail: jeapp@energyfuels.com

Telephone:

Invoice to:

Name: Accounts Payable

Company: Energy Fuels Resources

E-mail: accounts.payable@energyfuels.com

Address: 255 Union Blvd. Suite 600

City: Lakewood, CO 80228

Telephone: 303 389 4141

Copy of invoice to:

Name:

Company:

E-mail:

Address:

Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analysis?

Yes ☐ No ☐ YES ☐ NO ☐

Are samples for SDWA Compliance Monitoring?

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Chris Ferra Sampler's Site Information: State AZ Zip code Time Zone MST

Sampler's Signature: [Signature]

PROJECT INFORMATION			
Quota #:	PP-GW-APP-2025		
POI:			
Reporting state for compliance testing:			
Check box if samples include NRC licensed material?			
SAMPLE IDENTIFICATION	DATE/TIME	Matrix	# of Containers
MW-01-10212025	10/21/25 15:45	GW	7
MW-02-10212025	10/21/25 11:30	GW	7
MW-03-10220205	10/22/25 11:30	GW	7
MW-05-10220205	10/22/25 12:00	GW	7
RW-01-10220205	10/22/25 13:37	GW	7

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