

March 20, 2009

Report to:

Zach Rogers  
Energy Fuels Resources Corporation  
44 Union Blvd. Suite 600  
Lakewood, CO 80228

Bill to:

Accounts Payable  
Energy Fuels Resources Corporation  
44 Union Blvd. Suite 600  
Lakewood, CO 80228

Project ID: PINON RIDGE  
ACZ Project ID: L74646

Zach Rogers:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 03, 2009. This project has been assigned to ACZ's project number, L74646. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L74646. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

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

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

All samples and sub-samples associated with this project will be disposed of after April 20, 2009. 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.



Tony Antalek has reviewed and approved this report.



**Energy Fuels Resources Corporation**

Project ID: PINON RIDGE  
Sample ID: PW-3

ACZ Sample ID: **L74646-01**  
Date Sampled: 02/26/09 12:53  
Date Received: 03/03/09  
Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U	*	mg/L	0.03	0.2	03/12/09 22:52	ear
Arsenic, dissolved	M200.8 ICP-MS	0.0120			mg/L	0.0005	0.002	03/12/09 21:53	msh
Boron, dissolved	M200.7 ICP	0.43			mg/L	0.01	0.05	03/11/09 2:35	ear
Calcium, dissolved	M200.7 ICP	73.7			mg/L	0.2	1	03/11/09 2:35	ear
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	03/11/09 2:35	ear
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	03/11/09 2:35	ear
Lead, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	03/12/09 21:53	msh
Magnesium, dissolved	M200.7 ICP	71.7			mg/L	0.2	1	03/11/09 2:35	ear
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	03/11/09 2:35	ear
Molybdenum, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	03/11/09 2:35	ear
Potassium, dissolved	M200.7 ICP	14.3			mg/L	0.3	2	03/11/09 2:35	ear
Selenium, dissolved	M200.8 ICP-MS	0.0209			mg/L	0.0001	0.0005	03/12/09 21:53	msh
Silica, dissolved	M200.7 ICP	15.6			mg/L	0.4	2	03/11/09 2:35	ear
Sodium, dissolved	M200.7 ICP	101			mg/L	0.3	2	03/11/09 2:35	ear
Uranium, dissolved	M200.8 ICP-MS	0.0731			mg/L	0.0001	0.0005	03/12/09 21:53	msh
Vanadium, dissolved	M200.7 ICP	0.024	B		mg/L	0.005	0.03	03/18/09 13:22	ear
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	03/11/09 2:35	ear

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		242			mg/L	2	20	03/06/09 0:00	jlf
Carbonate as CaCO3			U		mg/L	2	20	03/06/09 0:00	jlf
Hydroxide as CaCO3			U		mg/L	2	20	03/06/09 0:00	jlf
Total Alkalinity		242			mg/L	2	20	03/06/09 0:00	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		1.1			%			03/20/09 11:51	calc
Sum of Anions		14.1			meq/L	0.1	0.5	03/20/09 11:51	calc
Sum of Cations		14.4			meq/L	0.1	0.5	03/20/09 11:51	calc
Chloride	SM4500Cl-E	37		*	mg/L	1	5	03/16/09 9:28	aml
Fluoride	SM4500F-C	0.5	B	*	mg/L	0.1	0.5	03/10/09 15:43	jlf
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.77		*	mg/L	0.02	0.1	03/19/09 22:29	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	03/18/09 17:02	neb
Residue, Filterable (TDS) @180C	SM2540C	850			mg/L	10	20	03/04/09 11:05	abm
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	03/05/09 8:14	abm
Sulfate	SM4500 SO4-D	390			mg/L	10	50	03/17/09 11:47	abm
Sulfide as S	376.2 - Methylene Blue		U	*	mg/L	0.02	0.1	03/04/09 13:52	jlf
TDS (calculated)	Calculation	849			mg/L	10	50	03/20/09 11:51	calc
TDS (ratio - measured/calculated)	Calculation	1.00						03/20/09 11:51	calc

**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. 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, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

**QC Sample Types**

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

**QC Sample Type Explanations**

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

**ACZ Qualifiers (Qual)**

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

**Method References**

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- (6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

**Comments**

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.

For a complete list of ACZ's Extended Qualifiers, please click:

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

**Energy Fuels Resources Corporation**  
 Project ID: PINON RIDGE

ACZ Project ID: **L74646**

**Alkalinity as CaCO3** SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260632</b>													
WG260632PBW2	PBW	03/06/09 21:16				U	mg/L		-20	20			
WG260632LCSW5	LCSW	03/06/09 21:34	WC090219-2	820.0001		766.9	mg/L	93.5	90	110			
L74653-03DUP	DUP	03/06/09 23:48			36	35.4	mg/L				1.7	20	
WG260632PBW3	PBW	03/07/09 1:58				U	mg/L		-20	20			
WG260632LCSW8	LCSW	03/07/09 2:18	WC090219-2	820.0001		762.3	mg/L	93	90	110			
WG260632PBW4	PBW	03/07/09 6:28				U	mg/L		-20	20			
WG260632LCSW11	LCSW	03/07/09 6:47	WC090219-2	820.0001		773.4	mg/L	94.3	90	110			
WG260632LCSW14	LCSW	03/07/09 10:15	WC090219-2	820.0001		774.5	mg/L	94.5	90	110			

**Aluminum, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260777</b>													
WG260777ICV	ICV	03/12/09 21:50	II090115-1	2		1.956	mg/L	97.8	95	105			
WG260777ICB	ICB	03/12/09 21:53				U	mg/L		-0.09	0.09			
WG260777PQV	PQV	03/12/09 21:56	II090302-5	.15		.128	mg/L	85.3	70	130			
WG260777SIC	SIC	03/12/09 21:59	II090302-3	200.15		194.773	mg/L	97.3	1	200			
WG260777LFB	LFB	03/12/09 22:06	II090226-2	1		1.118	mg/L	111.8	85	115			
L74604-02AS	AS	03/12/09 22:13	II090226-2	1	U	1.302	mg/L	130.2	85	115			M1
L74604-02ASD	ASD	03/12/09 22:16	II090226-2	1	U	1.27	mg/L	127	85	115	2.49	20	M1
WG260777CCV1	CCV	03/12/09 22:29	II090115-2	1		1.054	mg/L	105.4	90	110			
WG260777CCB1	CCB	03/12/09 22:32				U	mg/L		-0.09	0.09			
WG260777CCV2	CCV	03/12/09 22:55	II090115-2	1		1.024	mg/L	102.4	90	110			
WG260777CCB2	CCB	03/12/09 22:59				U	mg/L		-0.09	0.09			

**Arsenic, dissolved** M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260860</b>													
WG260860ICV	ICV	03/12/09 20:57	MS081230-2	.05		.05261	mg/L	105.2	90	110			
WG260860ICB	ICB	03/12/09 21:01				U	mg/L		-0.0011	0.0011			
WG260860PQV	PQV	03/12/09 21:04	MS090302-6	.002		.00236	mg/L	118	70	130			
WG260860LFB	LFB	03/12/09 21:08	MS090227-4	.05005		.05095	mg/L	101.8	85	115			
L74606-03AS	AS	03/12/09 21:24	MS090312-4	.25025	U	.2567	mg/L	102.6	70	130			
L74606-03ASD	ASD	03/12/09 21:27	MS090312-4	.25025	U	.2539	mg/L	101.5	70	130	1.1	20	
WG260860CCV1	CCV	03/12/09 21:38	MS090302-3	.25025		.2507	mg/L	100.2	90	110			
WG260860CCB1	CCB	03/12/09 21:42				U	mg/L		-0.0015	0.0015			
WG260860CCV2	CCV	03/12/09 22:24	MS090302-3	.25025		.2511	mg/L	100.3	90	110			
WG260860CCB2	CCB	03/12/09 22:27				U	mg/L		-0.0015	0.0015			
WG260860CCV3	CCV	03/12/09 22:58	MS090302-3	.25025		.2521	mg/L	100.7	90	110			
WG260860CCB3	CCB	03/12/09 23:01				U	mg/L		-0.0015	0.0015			

**Energy Fuels Resources Corporation**  
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**Boron, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260747</b>													
WG260747ICV	ICV	03/11/09 1:34	II090115-1	2		2.016	mg/L	100.8	95	105			
WG260747ICB	ICB	03/11/09 1:38				U	mg/L		-0.03	0.03			
WG260747PQV	PQV	03/11/09 1:41	II090302-5	.05		.048	mg/L	96	70	130			
WG260747SIC	SIC	03/11/09 1:44	II090302-3	.1		.106	mg/L	106	80	120			
WG260747LFB	LFB	03/11/09 1:50	II090226-2	.5		.532	mg/L	106.4	85	115			
L74604-02AS	AS	03/11/09 1:56	II090226-2	.5	.01	.536	mg/L	105.2	85	115			
L74604-02ASD	ASD	03/11/09 1:59	II090226-2	.5	.01	.546	mg/L	107.2	85	115	1.85	20	
WG260747CCV1	CCV	03/11/09 2:22	II090115-2	1		.997	mg/L	99.7	90	110			
WG260747CCB1	CCB	03/11/09 2:25				U	mg/L		-0.03	0.03			
WG260747CCV2	CCV	03/11/09 2:38	II090115-2	1		.998	mg/L	99.8	90	110			
WG260747CCB2	CCB	03/11/09 2:41				U	mg/L		-0.03	0.03			

**Calcium, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260747</b>													
WG260747ICV	ICV	03/11/09 1:34	II090115-1	100		101.8	mg/L	101.8	95	105			
WG260747ICB	ICB	03/11/09 1:38				U	mg/L		-0.6	0.6			
WG260747PQV	PQV	03/11/09 1:41	II090302-5	1		1.02	mg/L	102	70	130			
WG260747SIC	SIC	03/11/09 1:44	II090302-3	201		200.7	mg/L	99.9	1	200			
WG260747LFB	LFB	03/11/09 1:50	II090226-2	67.97008		73.87	mg/L	108.7	85	115			
L74604-02AS	AS	03/11/09 1:56	II090226-2	67.97008	40.3	108.18	mg/L	99.9	85	115			
L74604-02ASD	ASD	03/11/09 1:59	II090226-2	67.97008	40.3	109.48	mg/L	101.8	85	115	1.19	20	
WG260747CCV1	CCV	03/11/09 2:22	II090115-2	50		50.49	mg/L	101	90	110			
WG260747CCB1	CCB	03/11/09 2:25				U	mg/L		-0.6	0.6			
WG260747CCV2	CCV	03/11/09 2:38	II090115-2	50		50.57	mg/L	101.1	90	110			
WG260747CCB2	CCB	03/11/09 2:41				U	mg/L		-0.6	0.6			

**Energy Fuels Resources Corporation**  
 Project ID: PINON RIDGE

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**Chloride** SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260957</b>													
WG260957ICB	ICB	03/16/09 9:04				U	mg/L		-3	3			
WG260957ICV	ICV	03/16/09 9:04	WI090121-2	54.835		59.4	mg/L	108.3	90	110			
WG260957CCV1	CCV	03/16/09 9:26	WI090105-1	50		53.2	mg/L	106.4	90	110			
WG260957CCB1	CCB	03/16/09 9:26				U	mg/L		-3	3			
L74606-03AS	AS	03/16/09 9:26	WI090309-3	30	70	95.7	mg/L	85.7	90	110			M2
L74606-08DUP	DUP	03/16/09 9:26			8	7.7	mg/L				3.8	20	RA
WG260957CCV2	CCV	03/16/09 9:28	WI090105-1	50		53.2	mg/L	106.4	90	110			
WG260957CCB2	CCB	03/16/09 9:28				U	mg/L		-3	3			
WG260957CCV3	CCV	03/16/09 9:30	WI090105-1	50		53.3	mg/L	106.6	90	110			
WG260957CCB3	CCB	03/16/09 9:30				U	mg/L		-3	3			
WG260957LFB2	LFB	03/16/09 9:30	WI090309-3	30		32.7	mg/L	109	90	110			
WG260957CCV4	CCV	03/16/09 9:36	WI090105-1	50		53	mg/L	106	90	110			
WG260957CCB4	CCB	03/16/09 9:36				U	mg/L		-3	3			
WG260957CCV5	CCV	03/16/09 9:36	WI090105-1	50		52.9	mg/L	105.8	90	110			
WG260957CCB5	CCB	03/16/09 9:36				U	mg/L		-3	3			
WG260957CCV6	CCV	03/16/09 9:43	WI090105-1	50		52.9	mg/L	105.8	90	110			
WG260957CCB6	CCB	03/16/09 9:43				U	mg/L		-3	3			
WG260957LFB1	LFB	03/16/09 9:50	WI090309-3	30		32.3	mg/L	107.7	90	110			
WG260957CCV7	CCV	03/16/09 9:51	WI090105-1	50		53	mg/L	106	90	110			
WG260957CCB7	CCB	03/16/09 9:51				U	mg/L		-3	3			

**Copper, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260747</b>													
WG260747ICV	ICV	03/11/09 1:34	II090115-1	2		1.939	mg/L	97	95	105			
WG260747ICB	ICB	03/11/09 1:38				U	mg/L		-0.03	0.03			
WG260747PQV	PQV	03/11/09 1:41	II090302-5	.05		.048	mg/L	96	70	130			
WG260747SIC	SIC	03/11/09 1:44	II090302-3	.1		.101	mg/L	101	80	120			
WG260747LFB	LFB	03/11/09 1:50	II090226-2	.5		.513	mg/L	102.6	85	115			
L74604-02AS	AS	03/11/09 1:56	II090226-2	.5	.06	.555	mg/L	99	85	115			
L74604-02ASD	ASD	03/11/09 1:59	II090226-2	.5	.06	.575	mg/L	103	85	115	3.54	20	
WG260747CCV1	CCV	03/11/09 2:22	II090115-2	1		.959	mg/L	95.9	90	110			
WG260747CCB1	CCB	03/11/09 2:25				U	mg/L		-0.03	0.03			
WG260747CCV2	CCV	03/11/09 2:38	II090115-2	1		.959	mg/L	95.9	90	110			
WG260747CCB2	CCB	03/11/09 2:41				U	mg/L		-0.03	0.03			

**Energy Fuels Resources Corporation**  
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**Fluoride** SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260728</b>													
WG260728ICV	ICV	03/10/09 13:04	WC090219-1	2		2.07	mg/L	103.5	95	105			
WG260728ICB	ICB	03/10/09 13:11				U	mg/L		-0.3	0.3			
WG260728PQV	PQV	03/10/09 13:15	WC090302-3	.5		.51	mg/L	102	70	130			
WG260728LFB	LFB	03/10/09 13:18	WC090302-4	5		4.96	mg/L	99.2	90	110			
WG260728CCV2	CCV	03/10/09 14:49	WC090219-1	2		2.07	mg/L	103.5	90	110			
WG260728CCB2	CCB	03/10/09 14:57				U	mg/L		-0.3	0.3			
L74632-01DUP	DUP	03/10/09 15:21			.5	.49	mg/L				2	20	RA
L74632-02AS	AS	03/10/09 15:32	WC090302-4	5	.5	5.29	mg/L	95.8	90	110			
WG260728CCV3	CCV	03/10/09 15:55	WC090219-1	2		2.14	mg/L	107	90	110			
WG260728CCB3	CCB	03/10/09 16:02				U	mg/L		-0.3	0.3			
WG260728CCV4	CCV	03/10/09 16:30	WC090219-1	2		2.11	mg/L	105.5	90	110			
WG260728CCB4	CCB	03/10/09 16:36				.1	mg/L		-0.3	0.3			
WG260728CCV5	CCV	03/10/09 16:50	WC090219-1	2		2.04	mg/L	102	90	110			
WG260728CCB5	CCB	03/10/09 16:55				U	mg/L		-0.3	0.3			
WG260728CCV7	CCV	03/10/09 18:20	WC090219-1	2		2.1	mg/L	105	90	110			
WG260728CCB7	CCB	03/10/09 18:29				U	mg/L		-0.3	0.3			
WG260728CCV8	CCV	03/10/09 19:14	WC090219-1	2		2	mg/L	100	90	110			
WG260728CCB8	CCB	03/10/09 19:22				U	mg/L		-0.3	0.3			

**Iron, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260747</b>													
WG260747ICV	ICV	03/11/09 1:34	II090115-1	2		1.943	mg/L	97.2	95	105			
WG260747ICB	ICB	03/11/09 1:38				U	mg/L		-0.06	0.06			
WG260747PQV	PQV	03/11/09 1:41	II090302-5	.05		.037	mg/L	74	70	130			
WG260747SIC	SIC	03/11/09 1:44	II090302-3	200.05		190.94	mg/L	95.4	1	200			
WG260747LFB	LFB	03/11/09 1:50	II090226-2	1		1.056	mg/L	105.6	85	115			
L74604-02AS	AS	03/11/09 1:56	II090226-2	1	.11	1.124	mg/L	101.4	85	115			
L74604-02ASD	ASD	03/11/09 1:59	II090226-2	1	.11	1.152	mg/L	104.2	85	115	2.46	20	
WG260747CCV1	CCV	03/11/09 2:22	II090115-2	1		.973	mg/L	97.3	90	110			
WG260747CCB1	CCB	03/11/09 2:25				U	mg/L		-0.06	0.06			
WG260747CCV2	CCV	03/11/09 2:38	II090115-2	1		.973	mg/L	97.3	90	110			
WG260747CCB2	CCB	03/11/09 2:41				U	mg/L		-0.06	0.06			

**Energy Fuels Resources Corporation**  
 Project ID: PINON RIDGE

ACZ Project ID: **L74646**

**Lead, dissolved** M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260860</b>													
WG260860ICV	ICV	03/12/09 20:57	MS081230-2	.05		.05003	mg/L	100.1	90	110			
WG260860ICB	ICB	03/12/09 21:01				U	mg/L		-0.00022	0.00022			
WG260860PQV	PQV	03/12/09 21:04	MS090302-6	.0005005		.00051	mg/L	101.9	70	130			
WG260860LFB	LFB	03/12/09 21:08	MS090227-4	.05		.04897	mg/L	97.9	85	115			
L74606-03AS	AS	03/12/09 21:24	MS090312-4	.25025	U	.2572	mg/L	102.8	70	130			
L74606-03ASD	ASD	03/12/09 21:27	MS090312-4	.25025	U	.25375	mg/L	101.4	70	130	1.35	20	
WG260860CCV1	CCV	03/12/09 21:38	MS090302-3	.25025		.2495	mg/L	99.7	90	110			
WG260860CCB1	CCB	03/12/09 21:42				U	mg/L		-0.0003	0.0003			
WG260860CCV2	CCV	03/12/09 22:24	MS090302-3	.25025		.2496	mg/L	99.7	90	110			
WG260860CCB2	CCB	03/12/09 22:27				U	mg/L		-0.0003	0.0003			
WG260860CCV3	CCV	03/12/09 22:58	MS090302-3	.25025		.2492	mg/L	99.6	90	110			
WG260860CCB3	CCB	03/12/09 23:01				U	mg/L		-0.0003	0.0003			

**Magnesium, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260747</b>													
WG260747ICV	ICV	03/11/09 1:34	II090115-1	100		103.66	mg/L	103.7	95	105			
WG260747ICB	ICB	03/11/09 1:38				U	mg/L		-0.6	0.6			
WG260747PQV	PQV	03/11/09 1:41	II090302-5	1		.81	mg/L	81	70	130			
WG260747SIC	SIC	03/11/09 1:44	II090302-3	201		198.83	mg/L	98.9	1	200			
WG260747LFB	LFB	03/11/09 1:50	II090226-2	49.96908		53.38	mg/L	106.8	85	115			
L74604-02AS	AS	03/11/09 1:56	II090226-2	49.96908	8.2	59.77	mg/L	103.2	85	115			
L74604-02ASD	ASD	03/11/09 1:59	II090226-2	49.96908	8.2	59.93	mg/L	103.5	85	115	0.27	20	
WG260747CCV1	CCV	03/11/09 2:22	II090115-2	50		50.27	mg/L	100.5	90	110			
WG260747CCB1	CCB	03/11/09 2:25				U	mg/L		-0.6	0.6			
WG260747CCV2	CCV	03/11/09 2:38	II090115-2	50		50.52	mg/L	101	90	110			
WG260747CCB2	CCB	03/11/09 2:41				U	mg/L		-0.6	0.6			

**Manganese, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260747</b>													
WG260747ICV	ICV	03/11/09 1:34	II090115-1	2		1.9679	mg/L	98.4	95	105			
WG260747ICB	ICB	03/11/09 1:38				U	mg/L		-0.015	0.015			
WG260747PQV	PQV	03/11/09 1:41	II090302-5	.025		.0226	mg/L	90.4	70	130			
WG260747SIC	SIC	03/11/09 1:44	II090302-3	50.025		47.244	mg/L	94.4	1	200			
WG260747LFB	LFB	03/11/09 1:50	II090226-2	.5		.5375	mg/L	107.5	85	115			
L74604-02AS	AS	03/11/09 1:56	II090226-2	.5	.017	.535	mg/L	103.6	85	115			
L74604-02ASD	ASD	03/11/09 1:59	II090226-2	.5	.017	.5459	mg/L	105.8	85	115	2.02	20	
WG260747CCV1	CCV	03/11/09 2:22	II090115-2	1		.9666	mg/L	96.7	90	110			
WG260747CCB1	CCB	03/11/09 2:25				U	mg/L		-0.015	0.015			
WG260747CCV2	CCV	03/11/09 2:38	II090115-2	1		.9663	mg/L	96.6	90	110			
WG260747CCB2	CCB	03/11/09 2:41				U	mg/L		-0.015	0.015			

**Energy Fuels Resources Corporation**  
 Project ID: PINON RIDGE

ACZ Project ID: **L74646**

**Molybdenum, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260747</b>													
WG260747ICV	ICV	03/11/09 1:34	II090115-1	2		2.045	mg/L	102.3	95	105			
WG260747ICB	ICB	03/11/09 1:38				U	mg/L		-0.03	0.03			
WG260747PQV	PQV	03/11/09 1:41	II090302-5	.05		.047	mg/L	94	70	130			
WG260747SIC	SIC	03/11/09 1:44	II090302-3	.1		.085	mg/L	85	80	120			
WG260747LFB	LFB	03/11/09 1:50	II090226-2	.5		.542	mg/L	108.4	85	115			
L74604-02AS	AS	03/11/09 1:56	II090226-2	.5	U	.519	mg/L	103.8	85	115			
L74604-02ASD	ASD	03/11/09 1:59	II090226-2	.5	U	.53	mg/L	106	85	115	2.1	20	
WG260747CCV1	CCV	03/11/09 2:22	II090115-2	1		1.003	mg/L	100.3	90	110			
WG260747CCB1	CCB	03/11/09 2:25				U	mg/L		-0.03	0.03			
WG260747CCV2	CCV	03/11/09 2:38	II090115-2	1		1.009	mg/L	100.9	90	110			
WG260747CCB2	CCB	03/11/09 2:41				U	mg/L		-0.03	0.03			

**Nitrate/Nitrite as N** M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG261174</b>													
WG261174ICV	ICV	03/19/09 20:59	WI090318-4	2.416		2.476	mg/L	102.5	90	110			
WG261174ICB	ICB	03/19/09 21:00				U	mg/L		-0.06	0.06			
<b>WG261176</b>													
WG261176ICV	ICV	03/19/09 22:20	WI090318-4	2.416		2.408	mg/L	99.7	90	110			
WG261176ICB	ICB	03/19/09 22:21				U	mg/L		-0.06	0.06			
WG261176LFB	LFB	03/19/09 22:22	WI090317-8	2		2.038	mg/L	101.9	90	110			
L74632-01AS	AS	03/19/09 22:25	WI090317-8	2	.37	2.466	mg/L	104.8	90	110			
L74632-02DUP	DUP	03/19/09 22:28			.03	.029	mg/L				3.4	20	RA
WG261176CCV1	CCV	03/19/09 22:35	WI090317-9	2		1.93	mg/L	96.5	90	110			
WG261176CCB1	CCB	03/19/09 22:39				U	mg/L		-0.06	0.06			
WG261176CCV2	CCV	03/19/09 22:53	WI090317-9	2		1.87	mg/L	93.5	90	110			
WG261176CCB2	CCB	03/19/09 22:56				U	mg/L		-0.06	0.06			
WG261176CCV3	CCV	03/19/09 23:02	WI090317-9	2		1.854	mg/L	92.7	90	110			
WG261176CCB3	CCB	03/19/09 23:06				U	mg/L		-0.06	0.06			

**Nitrogen, ammonia** M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG261091</b>													
WG261091ICV	ICV	03/18/09 16:52	WI080918-3	.999		1.035	mg/L	103.6	90	110			
WG261091ICB	ICB	03/18/09 16:55				U	mg/L		-0.15	0.15			
WG261091LFB	LFB	03/18/09 16:56	WI090318-2	3		3.068	mg/L	102.3	90	110			
L74632-01AS	AS	03/18/09 16:58	WI090318-2	3	.16	3.078	mg/L	97.3	90	110			
L74632-02DUP	DUP	03/18/09 17:01			U	U	mg/L				0	20	RA
WG261091CCV1	CCV	03/18/09 17:07	WI080918-2	2		1.971	mg/L	98.6	90	110			
WG261091CCB1	CCB	03/18/09 17:08				U	mg/L		-0.15	0.15			
WG261091CCV2	CCV	03/18/09 17:20	WI080918-2	2		2.042	mg/L	102.1	90	110			
WG261091CCB2	CCB	03/18/09 17:21				U	mg/L		-0.15	0.15			
WG261091CCV3	CCV	03/18/09 17:31	WI080918-2	2		1.989	mg/L	99.5	90	110			
WG261091CCB3	CCB	03/18/09 17:32				U	mg/L		-0.15	0.15			

**Energy Fuels Resources Corporation**  
 Project ID: PINON RIDGE

ACZ Project ID: **L74646**

**Potassium, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260747</b>													
WG260747ICV	ICV	03/11/09 1:34	II090115-1	20		20.26	mg/L	101.3	95	105			
WG260747ICB	ICB	03/11/09 1:38				U	mg/L		-0.9	0.9			
WG260747PQV	PQV	03/11/09 1:41	II090302-5	1.5		1.59	mg/L	106	70	130			
WG260747SIC	SIC	03/11/09 1:44	II090302-3	1.5		1.61	mg/L	107.3	80	120			
WG260747LFB	LFB	03/11/09 1:50	II090226-2	99.76186		103.29	mg/L	103.5	85	115			
L74604-02AS	AS	03/11/09 1:56	II090226-2	99.76186	3.5	105.05	mg/L	101.8	85	115			
L74604-02ASD	ASD	03/11/09 1:59	II090226-2	99.76186	3.5	106.38	mg/L	103.1	85	115	1.26	20	
WG260747CCV1	CCV	03/11/09 2:22	II090115-2	10		9.97	mg/L	99.7	90	110			
WG260747CCB1	CCB	03/11/09 2:25				U	mg/L		-0.9	0.9			
WG260747CCV2	CCV	03/11/09 2:38	II090115-2	10		9.9	mg/L	99	90	110			
WG260747CCB2	CCB	03/11/09 2:41				U	mg/L		-0.9	0.9			

**Residue, Filterable (TDS) @180C** SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260489</b>													
WG260489PBW	PBW	03/04/09 10:50				U	mg/L		-20	20			
WG260489LCSW	LCSW	03/04/09 10:50	PCN31036	260		272	mg/L	104.6	80	120			
L74657-02DUP	DUP	03/04/09 11:09			2820	2844	mg/L				0.8	20	

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

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260547</b>													
WG260547PBW	PBW	03/05/09 8:10				U	mg/L		-15	15			
WG260547LCSW	LCSW	03/05/09 8:10	PCN31035	160		148	mg/L	92.5	80	120			
L74657-03DUP	DUP	03/05/09 8:20			U	U	mg/L				0	20	RA

**Selenium, dissolved** M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260860</b>													
WG260860ICV	ICV	03/12/09 20:57	MS081230-2	.05		.05323	mg/L	106.5	90	110			
WG260860ICB	ICB	03/12/09 21:01				U	mg/L		-0.00022	0.00022			
WG260860PQV	PQV	03/12/09 21:04	MS090302-6	.00025025		.00026	mg/L	103.9	70	130			
WG260860LFB	LFB	03/12/09 21:08	MS090227-4	.05		.04912	mg/L	98.2	85	115			
L74606-03AS	AS	03/12/09 21:24	MS090312-4	.25025	U	.24545	mg/L	98.1	70	130			
L74606-03ASD	ASD	03/12/09 21:27	MS090312-4	.25025	U	.2401	mg/L	95.9	70	130	2.2	20	
WG260860CCV1	CCV	03/12/09 21:38	MS090302-3	.25		.2538	mg/L	101.5	90	110			
WG260860CCB1	CCB	03/12/09 21:42				U	mg/L		-0.0003	0.0003			
WG260860CCV2	CCV	03/12/09 22:24	MS090302-3	.25		.2513	mg/L	100.5	90	110			
WG260860CCB2	CCB	03/12/09 22:27				U	mg/L		-0.0003	0.0003			
WG260860CCV3	CCV	03/12/09 22:58	MS090302-3	.25		.2541	mg/L	101.6	90	110			
WG260860CCB3	CCB	03/12/09 23:01				U	mg/L		-0.0003	0.0003			

**Energy Fuels Resources Corporation**  
 Project ID: PINON RIDGE

ACZ Project ID: **L74646**

**Silica, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260747</b>													
WG260747ICV	ICV	03/11/09 1:34	II090115-1	42.8		41.52	mg/L	97	95	105			
WG260747ICB	ICB	03/11/09 1:38				U	mg/L		-1.2	1.2			
WG260747PQV	PQV	03/11/09 1:41	II090302-5	2.14		2.24	mg/L	104.7	70	130			
WG260747SIC	SIC	03/11/09 1:44	II090302-3	2.14		2.27	mg/L	106.1	80	120			
WG260747LFB	LFB	03/11/09 1:50	II090226-2	21.4		22.4	mg/L	104.7	85	115			
L74604-02AS	AS	03/11/09 1:56	II090226-2	21.4	6.7	28.2	mg/L	100.5	85	115			
L74604-02ASD	ASD	03/11/09 1:59	II090226-2	21.4	6.7	28.86	mg/L	103.6	85	115	2.31	20	
WG260747CCV1	CCV	03/11/09 2:22	II090115-2	21.4		20.89	mg/L	97.6	90	110			
WG260747CCB1	CCB	03/11/09 2:25				U	mg/L		-1.2	1.2			
WG260747CCV2	CCV	03/11/09 2:38	II090115-2	21.4		20.99	mg/L	98.1	90	110			
WG260747CCB2	CCB	03/11/09 2:41				U	mg/L		-1.2	1.2			

**Sodium, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260747</b>													
WG260747ICV	ICV	03/11/09 1:34	II090115-1	100		101.45	mg/L	101.5	95	105			
WG260747ICB	ICB	03/11/09 1:38				U	mg/L		-0.9	0.9			
WG260747PQV	PQV	03/11/09 1:41	II090302-5	1.5		1.71	mg/L	114	70	130			
WG260747SIC	SIC	03/11/09 1:44	II090302-3	1.5		1.59	mg/L	106	80	120			
WG260747LFB	LFB	03/11/09 1:50	II090226-2	98.21624		102.13	mg/L	104	85	115			
L74604-02AS	AS	03/11/09 1:56	II090226-2	98.21624	26.2	123.58	mg/L	99.1	85	115			
L74604-02ASD	ASD	03/11/09 1:59	II090226-2	98.21624	26.2	126.27	mg/L	101.9	85	115	2.15	20	
WG260747CCV1	CCV	03/11/09 2:22	II090115-2	50		50.26	mg/L	100.5	90	110			
WG260747CCB1	CCB	03/11/09 2:25				U	mg/L		-0.9	0.9			
WG260747CCV2	CCV	03/11/09 2:38	II090115-2	50		50.26	mg/L	100.5	90	110			
WG260747CCB2	CCB	03/11/09 2:41				U	mg/L		-0.9	0.9			

**Sulfate** SM4500 SO4-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG261007</b>													
WG261007PBW	PBW	03/17/09 11:40				U	mg/L		-30	30			
WG261007LCSW	LCSW	03/17/09 11:42	WC080910-2	100		115	mg/L	115	80	120			
L74754-02DUP	DUP	03/17/09 12:10			800	775	mg/L				3.2	20	

**Energy Fuels Resources Corporation**  
 Project ID: PINON RIDGE

ACZ Project ID: **L74646**

**Sulfide as S** 376.2 - Methylene Blue

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260519</b>													
WG260519ICV	ICV	03/04/09 13:30	WC090304-9	.376		.383	mg/L	101.9	90	110			
WG260519ICB	ICB	03/04/09 13:35				U	mg/L		-0.06	0.06			
WG260519LFB	LFB	03/04/09 13:41	WC090304-1	.2551067		.28	mg/L	109.8	80	120			
WG260519CCV1	CCV	03/04/09 14:31	WC090304-8	.19133		.174	mg/L	90.9	90	110			
WG260519CCB1	CCB	03/04/09 14:37				U	mg/L		-0.06	0.06			
L74666-05AS	AS	03/04/09 14:54	WC090304-1	.2551067	U	.267	mg/L	104.7	75	125			
L74666-05DUP	DUP	03/04/09 15:00			U	U	mg/L				0	20	RA
WG260519CCV2	CCV	03/04/09 15:39	WC090304-8	.19133		.173	mg/L	90.4	90	110			
WG260519CCB2	CCB	03/04/09 15:45				U	mg/L		-0.06	0.06			
WG260519CCV3	CCV	03/04/09 16:24	WC090304-8	.19133		.173	mg/L	90.4	90	110			
WG260519CCB3	CCB	03/04/09 16:30				U	mg/L		-0.06	0.06			

**Uranium, dissolved** M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260860</b>													
WG260860ICV	ICV	03/12/09 20:57	MS081230-2	.05		.05061	mg/L	101.2	90	110			
WG260860ICB	ICB	03/12/09 21:01				U	mg/L		-0.00022	0.00022			
WG260860PQV	PQV	03/12/09 21:04	MS090302-6	.0005		.0005	mg/L	100	70	130			
WG260860LFB	LFB	03/12/09 21:08	MS090227-4	.05		.04995	mg/L	99.9	85	115			
L74606-03AS	AS	03/12/09 21:24	MS090312-4	.25	U	.28035	mg/L	112.1	70	130			
L74606-03ASD	ASD	03/12/09 21:27	MS090312-4	.25	U	.27745	mg/L	111	70	130	1.04	20	
WG260860CCV1	CCV	03/12/09 21:38	MS090302-3	.1		.1001	mg/L	100.1	90	110			
WG260860CCB1	CCB	03/12/09 21:42				U	mg/L		-0.0003	0.0003			
WG260860CCV2	CCV	03/12/09 22:24	MS090302-3	.1		.09988	mg/L	99.9	90	110			
WG260860CCB2	CCB	03/12/09 22:27				U	mg/L		-0.0003	0.0003			
WG260860CCV3	CCV	03/12/09 22:58	MS090302-3	.1		.09925	mg/L	99.3	90	110			
WG260860CCB3	CCB	03/12/09 23:01				U	mg/L		-0.0003	0.0003			

**Vanadium, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG261053</b>													
WG261053ICV	ICV	03/18/09 11:04	II090115-1	2		2.103	mg/L	105.2	95	105			
WG261053ICB	ICB	03/18/09 11:07				U	mg/L		-0.015	0.015			
L74646-01AS	AS	03/18/09 11:27	II090313-2	.5	.023	.5911	mg/L	113.6	85	115			
L74646-01ASD	ASD	03/18/09 11:30	II090313-2	.5	.023	.5782	mg/L	111	85	115	2.21	20	
<b>WG261073</b>													
WG261073CCV	CCV	03/18/09 13:06	II090115-2	1		1.0908	mg/L	109.1	90	110			
WG261073CCB	CCB	03/18/09 13:08				U	mg/L		-0.015	0.015			
WG261073PQV	PQV	03/18/09 13:11	II090317-2	.025		.0291	mg/L	116.4	70	130			
WG261073SIC	SIC	03/18/09 13:14	II090302-3	.1		.102	mg/L	102	80	120			
WG261073LFB	LFB	03/18/09 13:20	II090313-2	.5		.5417	mg/L	108.3	85	115			
L74646-01AS	AS	03/18/09 13:25	II090313-2	.5	.024	.5702	mg/L	109.2	85	115			
L74646-01ASD	ASD	03/18/09 13:28	II090313-2	.5	.024	.5809	mg/L	111.4	85	115	1.86	20	
WG261073CCV1	CCV	03/18/09 13:31	II090115-2	1		1.0748	mg/L	107.5	90	110			
WG261073CCB1	CCB	03/18/09 13:34				U	mg/L		-0.015	0.015			

**Energy Fuels Resources Corporation**  
 Project ID: PINON RIDGE

ACZ Project ID: **L74646**

**Zinc, dissolved**

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG260747</b>													
WG260747ICV	ICV	03/11/09 1:34	II090115-1	2		1.96	mg/L	98	95	105			
WG260747ICB	ICB	03/11/09 1:38				U	mg/L		-0.03	0.03			
WG260747PQV	PQV	03/11/09 1:41	II090302-5	.05		.052	mg/L	104	70	130			
WG260747SIC	SIC	03/11/09 1:44	II090302-3	.1		.089	mg/L	89	80	120			
WG260747LFB	LFB	03/11/09 1:50	II090226-2	.5		.547	mg/L	109.4	85	115			
L74604-02AS	AS	03/11/09 1:56	II090226-2	.5	.02	.597	mg/L	115.4	85	115			
L74604-02ASD	ASD	03/11/09 1:59	II090226-2	.5	.02	.586	mg/L	113.2	85	115	1.86	20	
WG260747CCV1	CCV	03/11/09 2:22	II090115-2	1		.981	mg/L	98.1	90	110			
WG260747CCB1	CCB	03/11/09 2:25				U	mg/L		-0.03	0.03			
WG260747CCV2	CCV	03/11/09 2:38	II090115-2	1		.982	mg/L	98.2	90	110			
WG260747CCB2	CCB	03/11/09 2:41				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L74646**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L74646-01	WG260777	Aluminum, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG260957	Chloride	SM4500CI-E	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			SM4500CI-E	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG260728	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG261176	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG261091	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG260547	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG260519	Sulfide as S	376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

**Energy Fuels Resources Corporation**Project ID: PINON RIDGE  
Sample ID: PW-3  
Locator:ACZ Sample ID: **L74646-01**  
Date Sampled: 02/26/09 12:53  
Date Received: 03/03/09  
Sample Matrix: Ground WaterGross Alpha & Beta, dissolved  
M900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	03/05/09 13:57		33	6.6	2.3	pCi/L		bjl
Gross Beta	03/05/09 13:57		19	4.2	4.5	pCi/L	*	bjl

Radium 226, dissolved  
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/12/09 16:02		0.23	0.1	0.23	pCi/L		skg

**Report Header Explanations**

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

**QC Sample Types**

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

**QC Sample Type Explanations**

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

**ACZ Qualifiers (Qual)**

H	Analysis exceeded method hold time.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Replicate Error Ratio (RER) accepted because sample concentrations are less than 10x the MDL.
U	No nuclides detected above the Lower Limit of Detection (LLD)
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
X	QC is out of control. See Case Narrative.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

**Method Prefix Reference**

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.
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.

For a complete list of ACZ's Extended Qualifiers, please click:

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

**Energy Fuels Resources Corporation**  
 Project ID: PINON RIDGE

ACZ Project ID: **L74646**

**Alpha** M900.0 pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
<b>WG260696</b>																
WG260544PBW	PBW	03/05/09						1.4	1.6	1.4						2.8
WG260544LCSW	LCSW	03/05/09	RC081215-1	81.06				63	6.6	1.3	77.7	52	129			
L74666-01DUP	DUP-RER	03/05/09			12	3.8	1.9	7.4	3.2	1.8				0.93	2	
L74689-01MS	MS	03/05/09	RC081215-1	81.06	0.77	1.6	1.5	58	6.5	1.4	70.6	52	129			

**Beta** M900.0 pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
<b>WG260696</b>																
WG260544PBW	PBW	03/05/09						2.1	3.1	4.2						8.4
WG260544LCSW	LCSW	03/05/09	PCN30780	100				94	6.4	3.9	94	65	104			
L74666-01DUP	DUP-RER	03/05/09			8.6	3.5	4.1	4.6	2.9	4				0.88	2	
L74690-01MS	MS	03/05/09	PCN30780	100	10	3.3	4.1	74	5.9	4	64	65	104			M2

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

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
<b>WG261051</b>																
WG260593PBW	PBW	03/12/09						-0.7	0.1	0.2						0.4
WG260593LCSW	LCSW	03/12/09	RC090209-1	23.92				17	0.6	0.28	71.1	44	128			
L74646-01DUP	DUP-RER	03/12/09			0.23	0.1	0.23	.04	0.16	0.38				1.01	2	
L74646-01MS	MS	03/12/09	RC090209-1	23.92	0.23	0.1	0.23	14	0.52	0.25	57.6	44	128			

**Energy Fuels Resources Corporation**

ACZ Project ID: **L74646**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L74646-01	WG260696	Gross Beta	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

**Energy Fuels Resources Corporation**

ACZ Project ID: **L74646**

Wet Chemistry

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

Sulfide as S

376.2 - Methylene Blue

**Energy Fuels Resources Corporation**  
 PINON RIDGE

ACZ Project ID: L74646  
 Date Received: 3/3/2009  
 Received By:  
 Date Printed: 3/3/2009

**Receipt Verification**

	YES	NO	NA
1) Does this project require special handling procedures such as CLP protocol?			X
2) Are the custody seals on the cooler intact?	X		
3) Are the custody seals on the sample containers intact?			X
4) Is there a Chain of Custody or other directive shipping papers present?	X		
5) Is the Chain of Custody complete?	X		
6) Is the Chain of Custody in agreement with the samples received?	X		
7) Is there enough sample for all requested analyses?	X		
8) Are all samples within holding times for requested analyses?	X		
9) Were all sample containers received intact?	X		
10) Are the temperature blanks present?			X
11) Is the trip blank for Cyanide present?			X
12) Is the trip blank for VOA present?			X
13) Are samples requiring no headspace, headspace free?			X
14) Do the samples that require a Foreign Soils Permit have one?			X

**Exceptions: If you answered no to any of the above questions, please describe**

N/A

**Contact (For any discrepancies, the client must be contacted)**

N/A

**Shipping Containers**

Cooler Id	Temp (°C)	Rad (µR/hr)
2415	4.9	21

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

**Notes**

Added 10mls nitric acid to the green cubes, pH=5.

**Energy Fuels Resources Corporation**  
 PINON RIDGE

ACZ Project ID: L74646  
 Date Received: 3/3/2009  
 Received By:

**Sample Container Preservation**

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L74646-01	PW-3		N		Y				Y			<input type="checkbox"/>

**Sample Container Preservation Legend**

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

\* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: \_\_\_\_\_

