APPENDIX D

Fourth Quarter 2009 Radionuclide Data

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

Analytical Report

February 04, 2010

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:
ACZ Project ID: L80226

Zach Rogers:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on January 08, 2010. This project has been assigned to ACZ's project number, L80226. 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 L80226. 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 March 04, 2010. 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.

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

Inorganic Analytical Results

Energy Fuels Resources Corporation
Project ID:
Sample ID: 1-1-A1-B1-C1

ACZ Sample ID: ***L80226-01***
Date Sampled: *01/01/10 00:00*
Date Received: *01/08/10*
Sample Matrix: *Filter*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS		U	*	mg/Filter	0.001	0.006	01/22/10 16:52	msh

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP-MS							01/20/10 6:42	itk/brd

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Energy Fuels Resources Corporation
Project ID:
Sample ID: 2-1-A1-B1-C1

ACZ Sample ID: ***L80226-02***
Date Sampled: *01/01/10 00:00*
Date Received: *01/08/10*
Sample Matrix: *Filter*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS		U	*	mg/Filter	0.001	0.006	01/22/10 16:54	msh

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP-MS							01/20/10 8:35	itk/brd

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Energy Fuels Resources Corporation
Project ID:
Sample ID: 3-1-A1-B1-C1

ACZ Sample ID: ***L80226-03***
Date Sampled: *01/01/10 00:00*
Date Received: *01/08/10*
Sample Matrix: *Filter*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS		U	*	mg/Filter	0.001	0.006	01/22/10 16:56	msh

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP-MS							01/20/10 10:28	itk/brd

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Energy Fuels Resources Corporation
Project ID:
Sample ID: 4-1-A1-B1-C1

ACZ Sample ID: ***L80226-04***
Date Sampled: *01/01/10 00:00*
Date Received: *01/08/10*
Sample Matrix: *Filter*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS		U	*	mg/Filter	0.001	0.006	01/22/10 16:57	msh

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP-MS							01/20/10 12:21	itk/brd

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Energy Fuels Resources Corporation
Project ID:
Sample ID: 5-1-A1-B1-C1

ACZ Sample ID: ***L80226-05***
Date Sampled: *01/01/10 00:00*
Date Received: *01/08/10*
Sample Matrix: *Filter*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS		U	*	mg/Filter	0.001	0.006	01/22/10 16:59	msh

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP-MS							01/20/10 14:14	itk/brd

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Energy Fuels Resources Corporation
Project ID:
Sample ID: TRIP BLANK

ACZ Sample ID: ***L80226-06***
Date Sampled: *10/01/09 00:00*
Date Received: *01/08/10*
Sample Matrix: *Filter*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS		U	*	mg/Filter	0.003	0.02	01/22/10 17:00	msh

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP-MS							01/20/10 16:06	itk/brd

** Please refer to Qualifier Reports for details.*

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 & 20th edition (1998).

Comments

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

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

Energy Fuels Resources Corporation
Project ID:

ACZ Project ID: ***L80226***

Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG277100													
WG277100ICV1	ICV	01/22/10 16:23	MS100114-9	.05		.05352	mg/L	107	90	110			
WG277100ICB1	ICB	01/22/10 16:24				U	mg/L		-0.0003	0.0003			
WG277100ICSA	ICSA	01/22/10 16:26				U	mg/L		-0.0005	0.0005			
WG277100ICSAB	ICSAB	01/22/10 16:27	MS100114-7	.02		.02355	mg/L	117.8	80	120			
WG276943PBS	PBS	01/22/10 16:31				U	mg/Kg		-0.0015	0.0015			
WG276943LFB	LFB	01/22/10 16:32	MS5XW	.25		.2638	mg/L	105.5	80	120			
L80163-01DUP	DUP	01/22/10 16:35			.0021	.00207	mg/Kg				1.4	20	RA
L80163-02DUP	DUP	01/22/10 16:38			.0006	.0006	mg/Kg				0	20	RA
L80163-04SDL	SDL	01/22/10 16:43			.0023	U	mg/Kg					10	
WG277100CCV4	CCV	01/22/10 16:45	MS100114-9	.05		.05332	mg/L	106.6	90	110			
WG277100CCB4	CCB	01/22/10 16:46				U	mg/L		-0.0003	0.0003			
L80226-06DUP	DUP	01/22/10 17:02			U	U	mg/Kg				0	20	RA
WG277100CCV5	CCV	01/22/10 17:03	MS100114-9	.05		.05308	mg/L	106.2	90	110			
WG277100CCB5	CCB	01/22/10 17:05				U	mg/L		-0.0003	0.0003			

Energy Fuels Resources Corporation ACZ Project ID: ***L80226***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L80226-01	WG277100	Uranium, total (3050)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L80226-02	WG277100	Uranium, total (3050)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L80226-03	WG277100	Uranium, total (3050)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L80226-04	WG277100	Uranium, total (3050)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L80226-05	WG277100	Uranium, total (3050)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L80226-06	WG277100	Uranium, total (3050)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

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RadioChemistry Analytical Results

Energy Fuels Resources Corporation
Project ID:
Sample ID: 1-1-A1-B1-C1
Locator:

ACZ Sample ID: ***L80226-01***
Date Sampled: *01/01/10 0:00*
Date Received: *01/08/10*
Sample Matrix: *Filter*

Lead 210 (3050) Prep Method:
Eichrom

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210 (3050)	02/03/10 20:29		490	21	26	pCi/Filter	*	dhc

Radium 226 (3050) Prep Method:
M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 (3050)	02/02/10 18:22		0.6	0.54	1.5	pCi/Filter		mwm

Thorium 230 (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230 (3050)	02/02/10 11:48		-0.37	0.89	2.5	pCi/Filter	*	dhc

** Please refer to Qualifier Reports for details.*

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RadioChemistry Analytical Results

Energy Fuels Resources Corporation
Project ID:
Sample ID: 2-1-A1-B1-C1
Locator:

ACZ Sample ID: ***L80226-02***
Date Sampled: *01/01/10 0:00*
Date Received: *01/08/10*
Sample Matrix: *Filter*

Lead 210 (3050) Prep Method:
Eichrom

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210 (3050)	02/03/10 20:29		590	25	33	pCi/Filter	*	dhc

Radium 226 (3050) Prep Method:
M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 (3050)	02/02/10 18:24		0.9	0.66	1.8	pCi/Filter		mwm

Thorium 230 (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230 (3050)	02/02/10 11:50		-0.97	1.4	2.9	pCi/Filter	*	dhc

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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RadioChemistry Analytical Results

Energy Fuels Resources Corporation
Project ID:
Sample ID: 3-1-A1-B1-C1
Locator:

ACZ Sample ID: ***L80226-03***
Date Sampled: *01/01/10 0:00*
Date Received: *01/08/10*
Sample Matrix: *Filter*

Lead 210 (3050) Prep Method:
Eichrom

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210 (3050)	02/03/10 20:29		590	22	27	pCi/Filter	*	dhc

Radium 226 (3050) Prep Method:
M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 (3050)	02/02/10 18:25		0.67	0.49	1.6	pCi/Filter		mwm

Thorium 230 (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230 (3050)	02/02/10 11:51		5.3	2.1	2.5	pCi/Filter	*	dhc

** Please refer to Qualifier Reports for details.*

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RadioChemistry Analytical Results

Energy Fuels Resources Corporation
Project ID:
Sample ID: 4-1-A1-B1-C1
Locator:

ACZ Sample ID: ***L80226-04***
Date Sampled: *01/01/10 0:00*
Date Received: *01/08/10*
Sample Matrix: *Filter*

Lead 210 (3050) Prep Method:
Eichrom

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210 (3050)	02/03/10 20:29		700	19	17	pCi/Filter	*	dhc

Radium 226 (3050) Prep Method:
M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 (3050)	02/02/10 18:27		0.86	0.67	2.5	pCi/Filter		mwm

Thorium 230 (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230 (3050)	02/02/10 11:53		0.19	0.99	2.8	pCi/Filter	*	dhc

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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RadioChemistry Analytical Results

Energy Fuels Resources Corporation
Project ID:
Sample ID: 5-1-A1-B1-C1
Locator:

ACZ Sample ID: ***L80226-05***
Date Sampled: *01/01/10 0:00*
Date Received: *01/08/10*
Sample Matrix: *Filter*

Lead 210 (3050) Prep Method:
Eichrom

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210 (3050)	02/03/10 20:29		480	25	36	pCi/Filter	*	dhc

Radium 226 (3050) Prep Method:
M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 (3050)	02/02/10 18:28		0.35	0.62	1.7	pCi/Filter		mwm

Thorium 230 (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230 (3050)	02/02/10 11:54		-0.32	1.1	3.2	pCi/Filter	*	dhc

** Please refer to Qualifier Reports for details.*

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RadioChemistry Analytical Results

Energy Fuels Resources Corporation
Project ID:
Sample ID: TRIP BLANK
Locator:

ACZ Sample ID: ***L80226-06***
Date Sampled: *10/01/09 0:00*
Date Received: *01/08/10*
Sample Matrix: *Filter*

Lead 210 (3050) Prep Method:
Eichrom

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210 (3050)	02/03/10 20:29		48	32	81	pCi/Filter	*	dhc

Radium 226 (3050) Prep Method:
M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 (3050)	02/02/10 18:30		2.3	2.3	7.1	pCi/Filter		mwm

Thorium 230 (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230 (3050)	02/02/10 11:56		0.88	4.3	8.4	pCi/Filter	*	dhc

** Please refer to Qualifier Reports for details.*

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) & 20th edition (1998).
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

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

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

Energy Fuels Resources Corporation ACZ Project ID: ***L80226***

Project ID:

Lead 210 (3050) Eichrom pCi/Filter

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG277608																
WG277247LCSS	LCSS	02/03/10	RC090330-1	78.36				46	4.4	8	58.7	47	102			
WG277247PBS	PBS	02/03/10						-1.4	3.5	9.3			18.6			
L80163-01DUP	DUP-RER	02/03/10			160	6.9	9.2	160	7.1	9.2				0	2	
L80163-02MS	MS	02/03/10	RC090330-1	135.1	140	7.5	11	210	8	9.8	51.8	47	102			
L80226-06DUP	DUP-RER	02/03/10			48	32	81	63	27	64				0.36	2	

Radium 226 (3050) M903.1 pCi/Filter

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG277582																
WG277395PBS	PBS	02/02/10						.43	0.41	0.88			1.76			
WG277395LCSS	LCSS	02/02/10	RC100111-3	79.72				65	1.6	0.55	81.5	44	128			
L80163-01DUP	DUP-RER	02/02/10			0.89	0.3	0.61	1.1	0.38	0.76				0.43	2	
L80226-06DUP	DUP-RER	02/02/10			2.3	2.3	7.1	1.6	2.3	6.2				0.22	2	
L80163-02MS	MS	02/02/10	RC100111-3	82.47	0.3	0.32	0.83	68	1.7	0.61	82.1	44	128			

Thorium 230 (3050) ESM 4506 pCi/Filter

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG277551																
WG277248PBS	PBS	02/02/10						.03	0.12	0.31			0.62			
WG277248LCSS	LCSS	02/02/10	RC091215-1	81.06				85	2.3	0.32	104.9	91	119			
L80163-01DUP	DUP-RER	02/02/10			15	1.8	1	18	1.8	0.89				1.18	2	
L80163-01DUP	DUP-RPD	02/02/10			15	1.8	1	18	1.8	0.89				18.2	20	
L80226-06DUP	DUP-RER	02/02/10			0.88	4.3	8.4	-.15	2.9	7.9				0.2	2	
L80163-02MS	MS	02/02/10	RC091215-1	279.51	0.74	0.52	0.86	280	7.2	0.97	99.9	91	119			

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

RadChem Extended Qualifier Report

Energy Fuels Resources Corporation ACZ Project ID: ***L80226***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Radiochemistry

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

Lead 210 (3050)	Eichrom
Thorium 230 (3050)	ESM 4506

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

Sample Receipt

Energy Fuels Resources Corporation

ACZ Project ID:	L80226
Date Received:	10:31:58 AM
Received By:	
Date Printed:	1/8/2010

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)
NA10080	13.3	12

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

Notes

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

Sample Receipt

Energy Fuels Resources Corporation

ACZ Project ID: L80226
Date Received: 10:31:58 AM
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
L80226-01	1-1-A1-B1-C1									X		
L80226-02	2-1-A1-B1-C1									X		
L80226-03	3-1-A1-B1-C1									X		
L80226-04	4-1-A1-B1-C1									X		
L80226-05	5-1-A1-B1-C1									X		
L80226-06	TRIP BLANK									X		

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/Hydrochloric	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: _____

C80226

ACZ LABORATORIES, INC.
Total Suspended Particulates In Air
EPA 40CFR Part 50

Analyst: lwt
Date:

Approved:

Client: KLIEN
P:\DEPARTMENT\SOILS\TSP-

Project: Air Monitoring Filters

	Equilibration		
	Start	**Finish**	**Temp C**
Initial Weighing:	see blank	see blank	ROOM
Final Weighing:	see blank	see blank	ROOM

#	Lab No. (ACZ's Used Only)	Sample ID	Sample Date (End Date)	Hi-Vol Filter #	Initial Weight g	Final Weight g	TSP Weight mg	Air Flow cfm	Sampling Time minutes	TSP Conc. ug/m3	Remarks (Sample Start Date)
1		1-1-A1	10/16/2009	8229671	*						**10/1/2009**
2		2-1-B1	10/16/2009	8229672	*						**10/1/2009**
3		3-1-A1	10/16/2009	8229673	*						**10/1/2009**
4		4-1-A1	10/16/2009	8229674	*						**10/1/2009**
5		5-1-A1	10/16/2009	8229675	*						**10/1/2009**
6		1-1-C1	10/30/2009	8229670	*						**10/16/2009**
7		2-1-C1	10/30/2009	8229669	*						**10/16/2009**
8		3-1-C1	10/30/2009	8229668	*						**10/16/2009**
9		4-1-C1	10/30/2009	8229667	*						**10/16/2009**
10		5-1-C1	10/30/2009	8229663	*						**10/16/2009**
11		1-1-B2	11/13/2009	8034697	*						**10/30/2009**
12		2-1-B2	11/13/2009	8034696	*						**10/30/2009**
13		3-1-B2	11/13/2009	8034695	*						**10/30/2009**
14		4-1-B2	11/13/2009	8034694	*						**10/30/2009**
15		5-1-B2	11/13/2009	8034689	*						**10/30/2009**
16		1-1-C2	11/27/2009	8034690	*						**11/13/2009**
17		2-1-C2	11/27/2009	8034691	*						**11/13/2009**
18		3-1-C2	11/27/2009	8034675	*						**11/13/2009**
19		4-1-C2	11/27/2009	8034676	*						**11/13/2009**
		5-1-C2	11/27/2009	8034677	*						**11/13/2009**
20		1-1-A3	12/15/2009	8034678	*						**11/27/2009**
21		2-1-A3	12/15/2009	8034679	*						**11/27/2009**
22		3-1-A3	12/15/2009	8034680	*						**11/27/2009**
23		4-1-A3	12/15/2009	8034681	*						**11/27/2009**
24		5-1-A3	12/15/2009	8034682	*						**11/27/2009**
25		1-1-C3	1/1/2010	8034683	*						**12/15/2009**
26		2-1-C3	1/1/2010	8034684	*						**12/15/2009**
27		3-1-C3	1/1/2010	8034685	*						**12/15/2009**
28		4-1-C3	1/1/2010	8034686	*						**12/15/2009**
29		5-1-C3	1/1/2010	8034687	*						**12/15/2009**
30		Trip Blank	10/1/2009	8034698	*						**1/1/2010**
31											
32											

ACZ LABORATORIES, INC.
Total Suspended Particulates in Air
EPA 40CFR Part 50

Analyst: lwt
Date:

Approved:

Client: KLIEN
P:\DEPARTMENT\SOILS\TSP-

Project: Air Monitoring Filters

	Equilibration		
	Start	**Finish**	**Temp C**
Initial Weighing:	see blank	see blank	ROOM
Final Weighing:	see blank	see blank	ROOM

#	Lab No. (ACZ's Used Only)	Sample ID	Sample Date (End Date)	Hi-Vol Filter #	Initial Weight g	Final Weight g	TSP Weight mg	Air Flow cfm	Sampling Time minutes	TSP Conc. ug/m3	Remarks (Sample Start Date)
33											
34											
35											
36											
37											
38											
39											
40											
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50											
51											
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57											
58											
59											
60											

Remarks: * From next batch of filters, do not have weight available to me yet.

Signed: Jess W Sullivan

Date: 1/6/2010
1.8.10 10:30

Appendix D2_L80226

LABID	CLIENTID	PROJECTID	DEPTNAME	COLLECTDATE	RECEIVEDATE	ANALYTE	MATRIX
L80226-01	1-1-A1-B1-C1		Metals Analysis	1/1/2010	1/8/2010	Uranium, total (3050)	FT
L80226-01	1-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Lead 210 (3050)	FT
L80226-01	1-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Radium 226 (3050)	FT
L80226-01	1-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Thorium 230 (3050)	FT
L80226-02	2-1-A1-B1-C1		Metals Analysis	1/1/2010	1/8/2010	Uranium, total (3050)	FT
L80226-02	2-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Lead 210 (3050)	FT
L80226-02	2-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Radium 226 (3050)	FT
L80226-02	2-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Thorium 230 (3050)	FT
L80226-03	3-1-A1-B1-C1		Metals Analysis	1/1/2010	1/8/2010	Uranium, total (3050)	FT
L80226-03	3-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Lead 210 (3050)	FT
L80226-03	3-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Radium 226 (3050)	FT
L80226-03	3-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Thorium 230 (3050)	FT
L80226-04	4-1-A1-B1-C1		Metals Analysis	1/1/2010	1/8/2010	Uranium, total (3050)	FT
L80226-04	4-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Lead 210 (3050)	FT
L80226-04	4-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Radium 226 (3050)	FT
L80226-04	4-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Thorium 230 (3050)	FT
L80226-05	5-1-A1-B1-C1		Metals Analysis	1/1/2010	1/8/2010	Uranium, total (3050)	FT
L80226-05	5-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Lead 210 (3050)	FT
L80226-05	5-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Radium 226 (3050)	FT
L80226-05	5-1-A1-B1-C1		Radiochemistry	1/1/2010	1/8/2010	Thorium 230 (3050)	FT
L80226-06	TRIP BLANK		Metals Analysis	10/1/2009	1/8/2010	Uranium, total (3050)	FT
L80226-06	TRIP BLANK		Radiochemistry	10/1/2009	1/8/2010	Lead 210 (3050)	FT
L80226-06	TRIP BLANK		Radiochemistry	10/1/2009	1/8/2010	Radium 226 (3050)	FT
L80226-06	TRIP BLANK		Radiochemistry	10/1/2009	1/8/2010	Thorium 230 (3050)	FT

METHOD	RESULT	TEXTRESULT	QUAL	UNITS	MDL	PQL	ANALYZEDATE	ANALYST	CAS
M6020 ICP-MS			U	mg/Filter	0.001	0.006	1/22/2010	msh	7440-61-1
Eichrom	490	490		pCi/Filter	26	21	2/3/2010	dhc	
M903.1	0.6	0.6		pCi/Filter	1.5	0.54	2/2/2010	mwm	
ESM 4506	-0.37	-0.37		pCi/Filter	2.5	0.89	2/2/2010	dhc	
M6020 ICP-MS			U	mg/Filter	0.001	0.006	1/22/2010	msh	7440-61-1
Eichrom	590	590		pCi/Filter	33	25	2/3/2010	dhc	
M903.1	0.9	0.9		pCi/Filter	1.8	0.66	2/2/2010	mwm	
ESM 4506	-0.97	-0.97		pCi/Filter	2.9	1.4	2/2/2010	dhc	
M6020 ICP-MS			U	mg/Filter	0.001	0.006	1/22/2010	msh	7440-61-1
Eichrom	590	590		pCi/Filter	27	22	2/3/2010	dhc	
M903.1	0.67	0.67		pCi/Filter	1.6	0.49	2/2/2010	mwm	
ESM 4506	5.3	5.3		pCi/Filter	2.5	2.1	2/2/2010	dhc	
M6020 ICP-MS			U	mg/Filter	0.001	0.006	1/22/2010	msh	7440-61-1
Eichrom	700	700		pCi/Filter	17	19	2/3/2010	dhc	
M903.1	0.86	0.86		pCi/Filter	2.5	0.67	2/2/2010	mwm	
ESM 4506	0.19	0.19		pCi/Filter	2.8	0.99	2/2/2010	dhc	
M6020 ICP-MS			U	mg/Filter	0.001	0.006	1/22/2010	msh	7440-61-1
Eichrom	480	480		pCi/Filter	36	25	2/3/2010	dhc	
M903.1	0.35	0.35		pCi/Filter	1.7	0.62	2/2/2010	mwm	
ESM 4506	-0.32	-0.32		pCi/Filter	3.2	1.1	2/2/2010	dhc	
M6020 ICP-MS			U	mg/Filter	0.003	0.02	1/22/2010	msh	7440-61-1
Eichrom	48	48		pCi/Filter	81	32	2/3/2010	dhc	
M903.1	2.3	2.3		pCi/Filter	7.1	2.3	2/2/2010	mwm	
ESM 4506	0.88	0.88		pCi/Filter	8.4	4.3	2/2/2010	dhc	

1-1-A1-B1-C1	L80226-01	AQ	N	Field		L80226	1/1/2010	0:00	1-1-A1-B1-C1	1/8/2010	20101	N	10:31
2-1-A1-B1-C1	L80226-02	AQ	N	Field		L80226	1/1/2010	0:00	2-1-A1-B1-C1	1/8/2010	20101	N	10:31
3-1-A1-B1-C1	L80226-03	AQ	N	Field		L80226	1/1/2010	0:00	3-1-A1-B1-C1	1/8/2010	20101	N	10:31
4-1-A1-B1-C1	L80226-04	AQ	N	Field		L80226	1/1/2010	0:00	4-1-A1-B1-C1	1/8/2010	20101	N	10:31
5-1-A1-B1-C1	L80226-05	AQ	N	Field		L80226	1/1/2010	0:00	5-1-A1-B1-C1	1/8/2010	20101	N	10:31
L80163-01DUP		AQ	LR	Lab		L80226	12/22/2009					N	
L80163-02DUP		AQ	LR	Lab		L80226	12/22/2009					N	
L80163-02MS		AQ	MS	Lab		L80226	12/22/2009					N	
L80163-04SDL		AQ	SDL	Lab		L80226	12/22/2009					N	
L80226-06DUP		AQ	LR	Lab	TRIP BLANK	L80226	10/1/2009					N	
TRIP BLANK	L80226-06	AQ	N	Field		L80226	10/1/2009	0:00	TRIP BLANK	1/8/2010	20094	N	10:31
WG276943LFB		SQ	BS	Lab		L80226	1/18/2010					N	
WG276943PBS		SQ	LB	Lab		L80226	1/18/2010					N	
WG277100CCB4		W	CCB	Lab		L80226	1/21/2010					N	
WG277100CCB5		W	CCB	Lab		L80226	1/21/2010					N	
WG277100CCV4		W	CCV	Lab		L80226	1/21/2010					N	
WG277100CCV5		W	CCV	Lab		L80226	1/21/2010					N	
WG277100ICB1		W	ICB	Lab		L80226	1/21/2010					N	
WG277100ICSA		W	IFC	Lab		L80226	1/21/2010					N	
WG277100ICSAB		W	IFC	Lab		L80226	1/21/2010					N	
WG277100ICV1		W	ICV	Lab		L80226	1/21/2010					N	
WG277247LCSS		SQ	RM	Lab		L80226	1/26/2010					N	
WG277247PBS		SQ	LB	Lab		L80226	1/26/2010					N	
WG277248LCSS		SQ	RM	Lab		L80226	1/26/2010					N	
WG277248PBS		SQ	LB	Lab		L80226	1/26/2010					N	
WG277395LCSS		SQ	RM	Lab		L80226	1/28/2010					N	
WG277395PBS		SQ	LB	Lab		L80226	1/28/2010					N	

1-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	Analysis	WG277608
1-1-A1-B1-C1	ESM 4506	2/2/2010	11:48	N	NA	Initial	Analysis	WG277551
1-1-A1-B1-C1	M903.1	2/2/2010	18:22	N	NA	Initial	Analysis	WG277582
1-1-A1-B1-C1	SW6020	1/22/2010	16:52	T	NA	Initial	Analysis	WG277100
2-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	Analysis	WG277608
2-1-A1-B1-C1	ESM 4506	2/2/2010	11:50	N	NA	Initial	Analysis	WG277551
2-1-A1-B1-C1	M903.1	2/2/2010	18:24	N	NA	Initial	Analysis	WG277582
2-1-A1-B1-C1	SW6020	1/22/2010	16:54	T	NA	Initial	Analysis	WG277100
3-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	Analysis	WG277608
3-1-A1-B1-C1	ESM 4506	2/2/2010	11:51	N	NA	Initial	Analysis	WG277551
3-1-A1-B1-C1	M903.1	2/2/2010	18:25	N	NA	Initial	Analysis	WG277582
3-1-A1-B1-C1	SW6020	1/22/2010	16:56	T	NA	Initial	Analysis	WG277100
4-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	Analysis	WG277608
4-1-A1-B1-C1	ESM 4506	2/2/2010	11:53	N	NA	Initial	Analysis	WG277551
4-1-A1-B1-C1	M903.1	2/2/2010	18:27	N	NA	Initial	Analysis	WG277582
4-1-A1-B1-C1	SW6020	1/22/2010	16:57	T	NA	Initial	Analysis	WG277100
5-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	Analysis	WG277608
5-1-A1-B1-C1	ESM 4506	2/2/2010	11:54	N	NA	Initial	Analysis	WG277551
5-1-A1-B1-C1	M903.1	2/2/2010	18:28	N	NA	Initial	Analysis	WG277582
5-1-A1-B1-C1	SW6020	1/22/2010	16:59	T	NA	Initial	Analysis	WG277100
L80163-01DUP	Eichrom	2/3/2010	20:29	N	NA	Initial	Analysis	WG277608
L80163-01DUP	ESM 4506	2/2/2010	11:57	N	NA	Initial	Analysis	WG277551
L80163-01DUP	M903.1	2/2/2010	18:31	N	NA	Initial	Analysis	WG277582
L80163-01DUP	SW6020	1/22/2010	16:35	T	NA	Initial	Analysis	WG277100
L80163-02DUP	SW6020	1/22/2010	16:38	T	NA	Initial	Analysis	WG277100
L80163-02MS	Eichrom	2/3/2010	22:01	N	NA	Initial	Analysis	WG277608
L80163-02MS	ESM 4506	2/2/2010	12:00	N	NA	Initial	Analysis	WG277551
L80163-02MS	M903.1	2/2/2010	18:34	N	NA	Initial	Analysis	WG277582
L80163-04SDL	SW6020	1/22/2010	16:43	T	NA	Initial	Analysis	WG277100
L80226-06DUP	Eichrom	2/3/2010	22:01	N	NA	Initial	Analysis	WG277608
L80226-06DUP	ESM 4506	2/2/2010	11:59	N	NA	Initial	Analysis	WG277551
L80226-06DUP	M903.1	2/2/2010	18:33	N	NA	Initial	Analysis	WG277582
L80226-06DUP	SW6020	1/22/2010	17:02	T	NA	Initial	Analysis	WG277100
TRIP BLANK	Eichrom	2/3/2010	20:29	N	NA	Initial	Analysis	WG277608
TRIP BLANK	ESM 4506	2/2/2010	11:56	N	NA	Initial	Analysis	WG277551
TRIP BLANK	M903.1	2/2/2010	18:30	N	NA	Initial	Analysis	WG277582
TRIP BLANK	SW6020	1/22/2010	17:00	T	NA	Initial	Analysis	WG277100
WG276943LFB	SW6020	1/22/2010	16:32	T	NA	Initial	Analysis	WG277100
WG276943PBS	SW6020	1/22/2010	16:31	T	NA	Initial	Analysis	WG277100
WG277100CCB4	SW6020	1/22/2010	16:46	T	NA	Initial	Analysis	WG277100
WG277100CCB5	SW6020	1/22/2010	17:05	T	NA	Initial	Analysis	WG277100
WG277100CCV4	SW6020	1/22/2010	16:45	T	NA	Initial	Analysis	WG277100
WG277100CCV5	SW6020	1/22/2010	17:03	T	NA	Initial	Analysis	WG277100
WG277100ICB1	SW6020	1/22/2010	16:24	T	NA	Initial	Analysis	WG277100
WG277100ICSA	SW6020	1/22/2010	16:26	T	NA	Initial	Analysis	WG277100
WG277100ICSAB	SW6020	1/22/2010	16:27	T	NA	Initial	Analysis	WG277100
WG277100ICV1	SW6020	1/22/2010	16:23	T	NA	Initial	Analysis	WG277100
WG277247LCSS	Eichrom	2/3/2010	18:57	N	NA	Initial	Analysis	WG277608
WG277247PBS	Eichrom	2/3/2010	18:57	N	NA	Initial	Analysis	WG277608
WG277248LCSS	ESM 4506	2/2/2010	11:37	N	NA	Initial	Analysis	WG277551
WG277248PBS	ESM 4506	2/2/2010	11:36	N	NA	Initial	Analysis	WG277551
WG277395LCSS	M903.1	2/2/2010	18:11	N	NA	Initial	Analysis	WG277582
WG277395PBS	M903.1	2/2/2010	18:10	N	NA	Initial	Analysis	WG277582

1-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	14255-04-0	Lead-210	490		TRG	YES	Y		N	26	21	21	pCi/Filter
1-1-A1-B1-C1	ESM 4506	2/2/2010	11:48	N	NA	Initial	14269-63-7	THORIUM-230	-0.37		TRG	YES	Y		N	2.5	0.89	0.89	pCi/Filter
1-1-A1-B1-C1	M903.1	2/2/2010	18:22	N	NA	Initial	13982-63-3	Radium 226	0.6		TRG	YES	Y		N	1.5	0.54	0.54	pCi/Filter
1-1-A1-B1-C1	SW6020	1/22/2010	16:52	T	NA	Initial	7440-61-1	Uranium	0.006		TRG	YES	N	U	N	0.001	0.006	0.006	mg/flt
2-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	14255-04-0	Lead-210	590		TRG	YES	Y		N	33	25	25	pCi/Filter
2-1-A1-B1-C1	ESM 4506	2/2/2010	11:50	N	NA	Initial	14269-63-7	THORIUM-230	-0.97		TRG	YES	Y		N	2.9	1.4	1.4	pCi/Filter
2-1-A1-B1-C1	M903.1	2/2/2010	18:24	N	NA	Initial	13982-63-3	Radium 226	0.9		TRG	YES	Y		N	1.8	0.66	0.66	pCi/Filter
2-1-A1-B1-C1	SW6020	1/22/2010	16:54	T	NA	Initial	7440-61-1	Uranium	0.006		TRG	YES	N	U	N	0.001	0.006	0.006	mg/flt
3-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	14255-04-0	Lead-210	590		TRG	YES	Y		N	27	22	22	pCi/Filter
3-1-A1-B1-C1	ESM 4506	2/2/2010	11:51	N	NA	Initial	14269-63-7	THORIUM-230	5.3		TRG	YES	Y		N	2.5	2.1	2.1	pCi/Filter
3-1-A1-B1-C1	M903.1	2/2/2010	18:25	N	NA	Initial	13982-63-3	Radium 226	0.67		TRG	YES	Y		N	1.6	0.49	0.49	pCi/Filter
3-1-A1-B1-C1	SW6020	1/22/2010	16:56	T	NA	Initial	7440-61-1	Uranium	0.006		TRG	YES	N	U	N	0.001	0.006	0.006	mg/flt
4-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	14255-04-0	Lead-210	700		TRG	YES	Y		N	17	19	19	pCi/Filter
4-1-A1-B1-C1	ESM 4506	2/2/2010	11:53	N	NA	Initial	14269-63-7	THORIUM-230	0.19		TRG	YES	Y		N	2.8	0.99	0.99	pCi/Filter
4-1-A1-B1-C1	M903.1	2/2/2010	18:27	N	NA	Initial	13982-63-3	Radium 226	0.86		TRG	YES	Y		N	2.5	0.67	0.67	pCi/Filter
4-1-A1-B1-C1	SW6020	1/22/2010	16:57	T	NA	Initial	7440-61-1	Uranium	0.006		TRG	YES	N	U	N	0.001	0.006	0.006	mg/flt
5-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	14255-04-0	Lead-210	480		TRG	YES	Y		N	36	25	25	pCi/Filter
5-1-A1-B1-C1	ESM 4506	2/2/2010	11:54	N	NA	Initial	14269-63-7	THORIUM-230	-0.32		TRG	YES	Y		N	3.2	1.1	1.1	pCi/Filter
5-1-A1-B1-C1	M903.1	2/2/2010	18:28	N	NA	Initial	13982-63-3	Radium 226	0.35		TRG	YES	Y		N	1.7	0.62	0.62	pCi/Filter
5-1-A1-B1-C1	SW6020	1/22/2010	16:59	T	NA	Initial	7440-61-1	Uranium	0.006		TRG	YES	N	U	N	0.001	0.006	0.006	mg/flt
L80163-01DUP	Eichrom	2/3/2010	20:29	N	NA	Initial	14255-04-0	Lead-210	160		TRG	YES	Y		N				pCi/Filter
L80163-01DUP	ESM 4506	2/2/2010	11:57	N	NA	Initial	14269-63-7	THORIUM-230	18		TRG	YES	Y		N				pCi/Filter
L80163-01DUP	ESM 4506	2/2/2010	11:57	N	NA	Initial	14269-63-7	THORIUM-230	18		TRG	YES	Y		N				pCi/Filter
L80163-01DUP	M903.1	2/2/2010	18:31	N	NA	Initial	13982-63-3	Radium 226	1.1		TRG	YES	Y		N				pCi/Filter
L80163-01DUP	SW6020	1/22/2010	16:35	T	NA	Initial	7440-61-1	Uranium	0.00207		TRG	YES	Y	B	N	0.0005	0.003	0.003	mg/kg
L80163-02DUP	SW6020	1/22/2010	16:38	T	NA	Initial	7440-61-1	Uranium	0.0006		TRG	YES	Y	B	N	0.0005	0.003	0.003	mg/kg
L80163-02MS	Eichrom	2/3/2010	22:01	N	NA	Initial	14255-04-0	Lead-210	210		SC	YES	Y		N				pCi/Filter
L80163-02MS	ESM 4506	2/2/2010	12:00	N	NA	Initial	14269-63-7	THORIUM-230	280		SC	YES	Y		N				pCi/Filter
L80163-02MS	M903.1	2/2/2010	18:34	N	NA	Initial	13982-63-3	Radium 226	68		SC	YES	Y		N				pCi/Filter
L80163-04SDL	SW6020	1/22/2010	16:43	T	NA	Initial	7440-61-1	Uranium	0.003		TRG	YES	N		N	0.0005	0.003	0.003	mg/kg
L80226-06DUP	Eichrom	2/3/2010	22:01	N	NA	Initial	14255-04-0	Lead-210	63		TRG	YES	Y		N				pCi/Filter
L80226-06DUP	ESM 4506	2/2/2010	11:59	N	NA	Initial	14269-63-7	THORIUM-230	-0.15		TRG	YES	Y		N				pCi/Filter
L80226-06DUP	M903.1	2/2/2010	18:33	N	NA	Initial	13982-63-3	Radium 226	1.6		TRG	YES	Y		N				pCi/Filter
L80226-06DUP	SW6020	1/22/2010	17:02	T	NA	Initial	7440-61-1	Uranium	0.02		TRG	YES	N		N	0.003	0.02	0.02	mg/kg
TRIP BLANK	Eichrom	2/3/2010	20:29	N	NA	Initial	14255-04-0	Lead-210	48		TRG	YES	Y		N	81	32	32	pCi/Filter
TRIP BLANK	ESM 4506	2/2/2010	11:56	N	NA	Initial	14269-63-7	THORIUM-230	0.88		TRG	YES	Y		N	8.4	4.3	4.3	pCi/Filter
TRIP BLANK	M903.1	2/2/2010	18:30	N	NA	Initial	13982-63-3	Radium 226	2.3		TRG	YES	Y		N	7.1	2.3	2.3	pCi/Filter
TRIP BLANK	SW6020	1/22/2010	17:00	T	NA	Initial	7440-61-1	Uranium	0.02		TRG	YES	N	U	N	0.003	0.02	0.02	mg/flt
WG276943LFB	SW6020	1/22/2010	16:32	T	NA	Initial	7440-61-1	Uranium	0.2638		TRG	YES	Y		N	0.0005	0.003	0.003	mg/l
WG276943PBS	SW6020	1/22/2010	16:31	T	NA	Initial	7440-61-1	Uranium	0.003		TRG	YES	N		N	0.0005	0.003	0.003	mg/kg
WG277100CCB4	SW6020	1/22/2010	16:46	T	NA	Initial	7440-61-1	Uranium	0.0005		TRG	YES	N		N	0.0001	0.0005	0.0005	mg/l
WG277100CCB5	SW6020	1/22/2010	17:05	T	NA	Initial	7440-61-1	Uranium	0.0005		TRG	YES	N		N	0.0001	0.0005	0.0005	mg/l
WG277100CCV4	SW6020	1/22/2010	16:45	T	NA	Initial	7440-61-1	Uranium	0.05332		TRG	YES	Y		N	0.0001	0.0005	0.0005	mg/l
WG277100CCV5	SW6020	1/22/2010	17:03	T	NA	Initial	7440-61-1	Uranium	0.05308		TRG	YES	Y		N	0.0001	0.0005	0.0005	mg/l
WG277100ICB1	SW6020	1/22/2010	16:24	T	NA	Initial	7440-61-1	Uranium	0.0005		TRG	YES	N		N	0.0001	0.0005	0.0005	mg/l
WG277100ICSA	SW6020	1/22/2010	16:26	T	NA	Initial	7440-61-1	Uranium	0.0005		TRG	YES	N		N	0.0001	0.0005	0.0005	mg/l
WG277100ICSAB	SW6020	1/22/2010	16:27	T	NA	Initial	7440-61-1	Uranium	0.02355		TRG	YES	Y		N	0.0001	0.0005	0.0005	mg/l
WG277100ICV1	SW6020	1/22/2010	16:23	T	NA	Initial	7440-61-1	Uranium	0.05352		TRG	YES	Y		N	0.0001	0.0005	0.0005	mg/l
WG277247LCSS	Eichrom	2/3/2010	18:57	N	NA	Initial	14255-04-0	Lead-210	46		TRG	YES	Y		N				pCi/Filter
WG277247PBS	Eichrom	2/3/2010	18:57	N	NA	Initial	14255-04-0	Lead-210	-1.4		TRG	YES	Y		N				pCi/Filter
WG277248LCSS	ESM 4506	2/2/2010	11:37	N	NA	Initial	14269-63-7	THORIUM-230	85		TRG	YES	Y		N				pCi/Filter
WG277248PBS	ESM 4506	2/2/2010	11:36	N	NA	Initial	14269-63-7	THORIUM-230	0.03		TRG	YES	Y		N				pCi/Filter
WG277395LCSS	M903.1	2/2/2010	18:11	N	NA	Initial	13982-63-3	Radium 226	65		TRG	YES	Y		N				pCi/Filter
WG277395PBS	M903.1	2/2/2010	18:10	N	NA	Initial	13982-63-3	Radium 226	0.43		TRG	YES	Y		N				pCi/Filter

1-1-A1-B1-C1	pCi/Filter													
1-1-A1-B1-C1	pCi/Filter													
1-1-A1-B1-C1	pCi/Filter													
1-1-A1-B1-C1	mg/flt													
2-1-A1-B1-C1	pCi/Filter													
2-1-A1-B1-C1	pCi/Filter													
2-1-A1-B1-C1	pCi/Filter													
2-1-A1-B1-C1	mg/flt													
3-1-A1-B1-C1	pCi/Filter													
3-1-A1-B1-C1	pCi/Filter													
3-1-A1-B1-C1	pCi/Filter													
3-1-A1-B1-C1	mg/flt													
4-1-A1-B1-C1	pCi/Filter													
4-1-A1-B1-C1	pCi/Filter													
4-1-A1-B1-C1	pCi/Filter													
4-1-A1-B1-C1	mg/flt													
5-1-A1-B1-C1	pCi/Filter													
5-1-A1-B1-C1	pCi/Filter													
5-1-A1-B1-C1	pCi/Filter													
5-1-A1-B1-C1	mg/flt													
L80163-01DUP	pCi/Filter	160	0	160	0								2	
L80163-01DUP	pCi/Filter	15	0	18	0								2	
L80163-01DUP	pCi/Filter	15	0	18	0					18.2			20.45	
L80163-01DUP	pCi/Filter	0.89	0	1.1	0								2	
L80163-01DUP	mg/kg					0.0021	0	0.00207	0	1.4			20	*
L80163-02DUP	mg/kg					0.0006	0	0.0006	0	0			20	*
L80163-02MS	pCi/Filter	140	135.1	210	51.8						47	102		
L80163-02MS	pCi/Filter	0.74	279.51	280	99.9						91	119		
L80163-02MS	pCi/Filter	0.3	82.47	68	82.1						44	128		
L80163-04SDL	mg/kg	0.0023	0	0	0								10	
L80226-06DUP	pCi/Filter	48	0	63	0								2	
L80226-06DUP	pCi/Filter	0.88	0	-0.15	0								2	
L80226-06DUP	pCi/Filter	2.3	0	1.6	0								2	
L80226-06DUP	mg/kg					0	0	0	0	0			20	
TRIP BLANK	pCi/Filter													
TRIP BLANK	pCi/Filter													
TRIP BLANK	pCi/Filter													
TRIP BLANK	mg/flt													
WG276943LFB	mg/l	0	0.25	0.2638	105.5						80	120		
WG276943PBS	mg/kg	0	0	0	0						-0.0015	0.0015		
WG277100CCB4	mg/l	0	0	0	0						-0.0003	0.0003		
WG277100CCB5	mg/l	0	0	0	0						-0.0003	0.0003		
WG277100CCV4	mg/l	0	0.05	0.05332	106.6						90	110		
WG277100CCV5	mg/l	0	0.05	0.05308	106.2						90	110		
WG277100ICB1	mg/l	0	0	0	0						-0.0003	0.0003		
WG277100ICSA	mg/l	0	0	0	0						-0.0005	0.0005		
WG277100ICSAB	mg/l	0	0.02	0.02355	117.8						80	120		
WG277100ICV1	mg/l	0	0.05	0.05352	107						90	110		
WG277247LCSS	pCi/Filter	0	78.36	46	58.7						47	102		
WG277247PBS	pCi/Filter	0	0	-1.4	0							18.6		
WG277248LCSS	pCi/Filter	0	81.06	85	104.9						91	119		
WG277248PBS	pCi/Filter	0	0	0.03	0							0.62		
WG277395LCSS	pCi/Filter	0	79.72	65	81.5						44	128		
WG277395PBS	pCi/Filter	0	0	0.43	0							1.76		

1-1-A1-B1-C1	N	AQ	Field		1/1/2010	0:00	1/8/2010	L80226	10:31
2-1-A1-B1-C1	N	AQ	Field		1/1/2010	0:00	1/8/2010	L80226	10:31
3-1-A1-B1-C1	N	AQ	Field		1/1/2010	0:00	1/8/2010	L80226	10:31
4-1-A1-B1-C1	N	AQ	Field		1/1/2010	0:00	1/8/2010	L80226	10:31
5-1-A1-B1-C1	N	AQ	Field		1/1/2010	0:00	1/8/2010	L80226	10:31
L80163-01DUP	LR	AQ	Lab		12/22/2009			L80226	
L80163-02DUP	LR	AQ	Lab		12/22/2009			L80226	
L80163-02MS	MS	AQ	Lab		12/22/2009			L80226	
L80163-04SDL	SDL	AQ	Lab		12/22/2009			L80226	
L80226-06DUP	LR	AQ	Lab	TRIP BLANK	10/1/2009			L80226	
TRIP BLANK	N	AQ	Field		10/1/2009	0:00	1/8/2010	L80226	10:31
WG276943LFB	BS	SQ	Lab		1/18/2010			L80226	
WG276943PBS	LB	SQ	Lab		1/18/2010			L80226	
WG277100CCB4	CCB	W	Lab		1/21/2010			L80226	
WG277100CCB5	CCB	W	Lab		1/21/2010			L80226	
WG277100CCV4	CCV	W	Lab		1/21/2010			L80226	
WG277100CCV5	CCV	W	Lab		1/21/2010			L80226	
WG277100ICB1	ICB	W	Lab		1/21/2010			L80226	
WG277100ICSA	IFC	W	Lab		1/21/2010			L80226	
WG277100ICSAB	IFC	W	Lab		1/21/2010			L80226	
WG277100ICV1	ICV	W	Lab		1/21/2010			L80226	
WG277247LCSS	RM	SQ	Lab		1/26/2010			L80226	
WG277247PBS	LB	SQ	Lab		1/26/2010			L80226	
WG277248LCSS	RM	SQ	Lab		1/26/2010			L80226	
WG277248PBS	LB	SQ	Lab		1/26/2010			L80226	
WG277395LCSS	RM	SQ	Lab		1/28/2010			L80226	
WG277395PBS	LB	SQ	Lab		1/28/2010			L80226	

1-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
1-1-A1-B1-C1	ESM 4506	2/2/2010	11:48	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
1-1-A1-B1-C1	M903.1	2/2/2010	18:22	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
1-1-A1-B1-C1	SW6020	1/22/2010	16:52	T	NA	Initial	AQ	LB	DRY	11.125	EPA 3050B	1/20/2010	6:42	ACZ
2-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
2-1-A1-B1-C1	ESM 4506	2/2/2010	11:50	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
2-1-A1-B1-C1	M903.1	2/2/2010	18:24	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
2-1-A1-B1-C1	SW6020	1/22/2010	16:54	T	NA	Initial	AQ	LB	DRY	11.125	EPA 3050B	1/20/2010	8:35	ACZ
3-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
3-1-A1-B1-C1	ESM 4506	2/2/2010	11:51	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
3-1-A1-B1-C1	M903.1	2/2/2010	18:25	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
3-1-A1-B1-C1	SW6020	1/22/2010	16:56	T	NA	Initial	AQ	LB	DRY	11.125	EPA 3050B	1/20/2010	10:28	ACZ
4-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
4-1-A1-B1-C1	ESM 4506	2/2/2010	11:53	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
4-1-A1-B1-C1	M903.1	2/2/2010	18:27	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
4-1-A1-B1-C1	SW6020	1/22/2010	16:57	T	NA	Initial	AQ	LB	DRY	11.125	EPA 3050B	1/20/2010	12:21	ACZ
5-1-A1-B1-C1	Eichrom	2/3/2010	20:29	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
5-1-A1-B1-C1	ESM 4506	2/2/2010	11:54	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
5-1-A1-B1-C1	M903.1	2/2/2010	18:28	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
5-1-A1-B1-C1	SW6020	1/22/2010	16:59	T	NA	Initial	AQ	LB	DRY	11.125	EPA 3050B	1/20/2010	14:14	ACZ
L80163-01DUP	Eichrom	2/3/2010	20:29	N	NA	Initial	AQ	LB	DRY	1	SW3050B	1/19/2010	15:38	ACZ
L80163-01DUP	ESM 4506	2/2/2010	11:57	N	NA	Initial	AQ	LB	DRY	1	SW3050B	1/19/2010	15:38	ACZ
L80163-01DUP	M903.1	2/2/2010	18:31	N	NA	Initial	AQ	LB	DRY	1	SW3050B	1/19/2010	15:38	ACZ
L80163-01DUP	SW6020	1/22/2010	16:35	T	NA	Initial	AQ	LB	DRY	5.175	SW3050B	1/19/2010	15:38	ACZ
L80163-02DUP	SW6020	1/22/2010	16:38	T	NA	Initial	AQ	LB	DRY	5.175	SW3050B	1/19/2010	19:24	ACZ
L80163-02MS	Eichrom	2/3/2010	22:01	N	NA	Initial	AQ	LB	NA	1	NONE			ACZ
L80163-02MS	ESM 4506	2/2/2010	12:00	N	NA	Initial	AQ	LB	NA	1	NONE			ACZ
L80163-02MS	M903.1	2/2/2010	18:34	N	NA	Initial	AQ	LB	NA	1	NONE			ACZ
L80163-04SDL	SW6020	1/22/2010	16:43	T	NA	Initial	AQ	LB	NA	5.175	NONE			ACZ
L80226-06DUP	Eichrom	2/3/2010	22:01	N	NA	Initial	AQ	LB	DRY	1	SW3050B	1/20/2010	17:59	ACZ
L80226-06DUP	ESM 4506	2/2/2010	11:59	N	NA	Initial	AQ	LB	DRY	1	SW3050B	1/20/2010	17:59	ACZ
L80226-06DUP	M903.1	2/2/2010	18:33	N	NA	Initial	AQ	LB	DRY	1	SW3050B	1/20/2010	17:59	ACZ
L80226-06DUP	SW6020	1/22/2010	17:02	T	NA	Initial	AQ	LB	DRY	33.645	SW3050B	1/20/2010	17:59	ACZ
TRIP BLANK	Eichrom	2/3/2010	20:29	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
TRIP BLANK	ESM 4506	2/2/2010	11:56	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ

TRIP BLANK	M903.1	2/2/2010	18:30	N	NA	Initial	AQ	LB	DRY	1	NONE			ACZ
TRIP BLANK	SW6020	1/22/2010	17:00	T	NA	Initial	AQ	LB	DRY	33.645	EPA 3050B	1/20/2010	16:06	ACZ
WG276943LFB	SW6020	1/22/2010	16:32	T	NA	Initial	SQ	LB	DRY	5	EPA 3050B	1/19/2010	11:52	ACZ
WG276943PBS	SW6020	1/22/2010	16:31	T	NA	Initial	SQ	LB	DRY	5	EPA 3050B	1/19/2010	10:00	ACZ
WG277100CCB4	SW6020	1/22/2010	16:46	T	NA	Initial	W	LB	NA	1	NONE			ACZ
WG277100CCB5	SW6020	1/22/2010	17:05	T	NA	Initial	W	LB	NA	1	NONE			ACZ
WG277100CCV4	SW6020	1/22/2010	16:45	T	NA	Initial	W	LB	NA	1	NONE			ACZ
WG277100CCV5	SW6020	1/22/2010	17:03	T	NA	Initial	W	LB	NA	1	NONE			ACZ
WG277100ICB1	SW6020	1/22/2010	16:24	T	NA	Initial	W	LB	NA	1	NONE			ACZ
WG277100ICSA	SW6020	1/22/2010	16:26	T	NA	Initial	W	LB	NA	1	NONE			ACZ
WG277100ICSAB	SW6020	1/22/2010	16:27	T	NA	Initial	W	LB	NA	1	NONE			ACZ
WG277100ICV1	SW6020	1/22/2010	16:23	T	NA	Initial	W	LB	NA	1	NONE			ACZ
WG277247LCSS	Eichrom	2/3/2010	18:57	N	NA	Initial	SQ	LB	NA	1	NONE			ACZ
WG277247PBS	Eichrom	2/3/2010	18:57	N	NA	Initial	SQ	LB	NA	1	NONE			ACZ
WG277248LCSS	ESM 4506	2/2/2010	11:37	N	NA	Initial	SQ	LB	NA	1	NONE			ACZ
WG277248PBS	ESM 4506	2/2/2010	11:36	N	NA	Initial	SQ	LB	NA	1	NONE			ACZ
WG277395LCSS	M903.1	2/2/2010	18:11	N	NA	Initial	SQ	LB	NA	1	NONE			ACZ
WG277395PBS	M903.1	2/2/2010	18:10	N	NA	Initial	SQ	LB	NA	1	NONE			ACZ

1-1-A1-B1-C1	L80226-01	-	ml	dhc	PREP
1-1-A1-B1-C1	L80226-01	-	ml	dhc	OCTETE
1-1-A1-B1-C1	L80226-01	-	ml	mwm	LUCAS CELL
1-1-A1-B1-C1	L80226-01	-	ml	msh	ICPMS4
2-1-A1-B1-C1	L80226-02	-	ml	dhc	PREP
2-1-A1-B1-C1	L80226-02	-	ml	dhc	OCTETE
2-1-A1-B1-C1	L80226-02	-	ml	mwm	LUCAS CELL
2-1-A1-B1-C1	L80226-02	-	ml	msh	ICPMS4
3-1-A1-B1-C1	L80226-03	-	ml	dhc	PREP
3-1-A1-B1-C1	L80226-03	-	ml	dhc	OCTETE
3-1-A1-B1-C1	L80226-03	-	ml	mwm	LUCAS CELL
3-1-A1-B1-C1	L80226-03	-	ml	msh	ICPMS4
4-1-A1-B1-C1	L80226-04	-	ml	dhc	PREP
4-1-A1-B1-C1	L80226-04	-	ml	dhc	OCTETE
4-1-A1-B1-C1	L80226-04	-	ml	mwm	LUCAS CELL
4-1-A1-B1-C1	L80226-04	-	ml	msh	ICPMS4
5-1-A1-B1-C1	L80226-05	-	ml	dhc	PREP
5-1-A1-B1-C1	L80226-05	-	ml	dhc	OCTETE
5-1-A1-B1-C1	L80226-05	-	ml	mwm	LUCAS CELL
5-1-A1-B1-C1	L80226-05	-	ml	msh	ICPMS4
L80163-01DUP	L80163-01DUP	-	ml		
L80163-01DUP	L80163-01DUP	-	ml		
L80163-01DUP	L80163-01DUP	-	ml		
L80163-01DUP	L80163-01DUP	-	ml		
L80163-02DUP	L80163-02DUP	-	ml		
L80163-02MS	L80163-02MS	-	ml		
L80163-02MS	L80163-02MS	-	ml		
L80163-02MS	L80163-02MS	-	ml		
L80163-04SDL	L80163-04SDL	-	ml		
L80226-06DUP	L80226-06DUP	-	ml		
L80226-06DUP	L80226-06DUP	-	ml		
L80226-06DUP	L80226-06DUP	-	ml		
L80226-06DUP	L80226-06DUP	-	ml		
TRIP BLANK	L80226-06	-	ml	dhc	PREP
TRIP BLANK	L80226-06	-	ml	dhc	OCTETE

TRIP BLANK	L80226-06	-	ml	mwm	LUCAS CELL
TRIP BLANK	L80226-06	-	ml	msh	ICPMS4
WG276943LFB	WG276943LFB	-	ml		
WG276943PBS	WG276943PBS	-	ml		
WG277100CCB4	WG277100CCB4	-	ml		
WG277100CCB5	WG277100CCB5	-	ml		
WG277100CCV4	WG277100CCV4	-	ml		
WG277100CCV5	WG277100CCV5	-	ml		
WG277100ICB1	WG277100ICB1	-	ml		
WG277100ICSA	WG277100ICSA	-	ml		
WG277100ICSAB	WG277100ICSAB	-	ml		
WG277100ICV1	WG277100ICV1	-	ml		
WG277247LCSS	WG277247LCSS	-	ml		
WG277247PBS	WG277247PBS	-	ml		
WG277248LCSS	WG277248LCSS	-	ml		
WG277248PBS	WG277248PBS	-	ml		
WG277395LCSS	WG277395LCSS	-	ml		
WG277395PBS	WG277395PBS	-	ml		

Appendix D8_Tisch Hi Vol Flow Calculations 4Q09

Site 1

Sample Start Date & Time	Sample End Date & Time	Sampler ID	Sampler m	Sampler b	Filter #	Run Time (hr)	Run Time (min)	Avg Pstag ("H_2O)	Avg Pstag ("Hg)	P1	P1/Pa	Flow Rate (m^3/min)	Flow Rate (ft^3/min)	Avg. Temp (°C)	Avg. Press ("Hg)	Volume (m^3)	Volume (ft^3)	Temp & Press Averaging Start Date & Time	Temp & Press Averaging End Date & Time
10/1/09 10:39	10/16/09 8:07	1-1	11.0731	0.1550	8229671	357.4	21444	19.45	1.4298	23.1004	0.941713	1.1980	42.3080	11.19	24.53	25690.5	907252.0	10/1/09 11:00	10/16/09 9:00
10/16/09 9:06	10/30/09 11:35	1-1	10.7537	0.1767	8229670	336.5	20190	19.14	1.4070	23.1312	0.942661	1.1946	42.1879	8.15	24.54	24119.5	851772.8	10/16/09 10:00	10/30/09 12:00
10/30/09 11:40	11/13/09 7:18	1-1	10.7537	0.1767	8034697	331.6	19896	22.98	1.6897	23.0249	0.931631	1.1767	41.5561	7.82	24.71	23412.4	826800.3	10/30/09 12:00	11/13/09 8:00
11/13/09 7:22	11/27/09 12:48	1-1	10.7537	0.1767	8034690	341.1	20466	21.93	1.6121	23.0730	0.934692	1.1665	41.1940	0.72	24.69	23873.3	843076.1	11/13/09 8:00	11/27/09 13:00
11/27/09 12:55	12/15/09 12:01	1-1	10.7537	0.1767	8034678	146.0	8760	20.94	1.5393	22.9647	0.937180	1.1606	40.9875	-3.79	24.50	10167.2	359050.6	11/27/09 13:00	12/15/09 13:00
12/15/09 12:07	1/1/10 17:09	1-1	11.5485	0.1288	8034683	413.4	24804	20.55	1.5107	23.1808	0.938818	1.1458	40.4630	-6.30	24.69	28420.1	1003644.8	12/15/09 13:00	1/1/10 18:00

Site 2

Sample Start Date & Time	Sample End Date & Time	Sampler ID	Sampler m	Sampler b	Filter #	Run Time (hr)	Run Time (min)	Avg Pstag ("H_2O)	Avg Pstag ("Hg)	P1	P1/Pa	Flow Rate (m^3/min)	Flow Rate (ft^3/min)	Avg. Temp (°C)	Avg. Press ("Hg)	Volume (m^3)	Volume (ft^3)	Temp & Press Averaging Start Date & Time	Temp & Press Averaging End Date & Time
10/1/09 10:11	10/16/09 10:20	2-1	10.6371	0.2029	8229672	360.2	21612	19.07	1.4018	23.0612	0.942696	1.1738	41.4518	11.69	24.46	25367.8	895855.6	10/1/09 11:00	10/16/09 11:00
10/16/09 11:29	10/30/09 12:48	2-1	12.1744	0.0978	8229669	337.2	20232	18.65	1.3710	23.0956	0.943966	1.1662	41.1846	8.39	24.47	23594.9	833246.9	10/16/09 12:00	10/30/09 13:00
10/30/09 12:53	11/13/09 8:08	2-1	12.1744	0.0978	8034696	331.2	19872	22.46	1.6511	22.9896	0.932993	1.1517	40.6706	8.67	24.64	22885.9	808206.7	10/30/09 13:00	11/13/09 9:00
11/13/09 8:14	11/27/09 12:17	2-1	12.1744	0.0978	8034691	339.3	20358	22.12	1.6261	22.9846	0.933927	1.1375	40.1704	1.17	24.61	23157.2	817789.4	11/13/09 9:00	11/27/09 13:00
11/27/09 12:22	12/15/09 11:25	2-1	12.1744	0.0978	8034679	429.5	25770	20.53	1.5096	22.9152	0.938196	1.1341	40.0518	-3.21	24.42	29226.8	1032136.0	11/27/09 13:00	12/15/09 12:00
12/15/09 11:34	1/1/10 16:51	2-1	12.1744	0.0978	8034684	413.2	24792	20.12	1.4790	23.1160	0.939864	1.1321	39.9781	-5.27	24.60	28065.8	991135.8	12/15/09 12:00	1/1/10 17:00

Site 3

Sample Start Date & Time	Sample End Date & Time	Sampler ID	Sampler m	Sampler b	Filter #	Run Time (hr)	Run Time (min)	Avg Pstag ("H_2O)	Avg Pstag ("Hg)	P1	P1/Pa	Flow Rate (m^3/min)	Flow Rate (ft^3/min)	Avg. Temp (°C)	Avg. Press ("Hg)	Volume (m^3)	Volume (ft^3)	Temp & Press Averaging Start Date & Time	Temp & Press Averaging End Date & Time
10/1/09 9:15	10/16/09 11:55	3-1	9.8476	0.2471	8229673	362.7	21762	19.49	1.4327	23.0318	0.941437	1.1900	42.0238	11.69	24.46	25896.4	914522.2	10/1/09 10:00	10/16/09 12:00
10/16/09 12:32	10/30/09 13:43	3-1	9.4252	0.2859	8229668	337.1	20226	19.11	1.4048	23.0614	0.942583	1.1690	41.2813	8.34	24.47	23643.3	834955.2	10/16/09 13:00	10/30/09 14:00
10/30/09 13:47	11/13/09 8:34	3-1	9.4252	0.2859	8034695	330.7	19842	22.55	1.6581	22.9827	0.932710	1.1521	40.6863	8.70	24.64	22860.1	807296.7	10/30/09 14:00	11/13/09 9:00
11/13/09 8:41	11/27/09 11:49	3-1	9.4252	0.2859	8034675	338.9	20334	21.19	1.5577	23.0532	0.936706	1.1436	40.3858	1.15	24.61	23253.9	821204.1	11/13/09 9:00	11/27/09 12:00
11/27/09 11:55	12/15/09 10:54	3-1	9.4252	0.2859	8034680	431.0	25860	20.77	1.5268	22.8974	0.937487	1.1359	40.1122	-3.20	24.42	29373.1	1037302.7	11/27/09 12:00	12/15/09 11:00
12/15/09 10:59	1/1/10 16:08	3-1	9.4252	0.2859	8034685	413.1	24786	21.04	1.5471	23.0486	0.937100	1.1308	39.9351	-5.26	24.60	28028.9	989832.2	12/15/09 11:00	1/1/10 17:00

Site 4

Sample Start Date & Time	Sample End Date & Time	Sampler ID	Sampler m	Sampler b	Filter #	Run Time (hr)	Run Time (min)	Avg Pstag ("H_2O)	Avg Pstag ("Hg)	P1	P1/Pa	Flow Rate (m^3/min)	Flow Rate (ft^3/min)	Avg. Temp (°C)	Avg. Press ("Hg)	Volume (m^3)	Volume (ft^3)	Temp & Press Averaging Start Date & Time	Temp & Press Averaging End Date & Time
10/1/09 8:40	10/16/09 16:28	4-1	12.0757	0.0956	8229674	290.4	17424	19.52	1.4349	23.1022	0.941520	1.1816	41.7262	11.34	24.54	20587.4	727037.6	10/1/09 9:00	10/16/09 17:00
10/16/09 17:20	10/30/09 14:24	4-1	12.1735	0.0744	8229667	332.4	19944	20.07	1.4757	23.0580	0.939849	1.1916	42.0827	7.81	24.53	23766.2	839296.9	10/16/09 18:00	10/30/09 15:00
10/30/09 14:29	11/13/09 9:06	4-1	12.1735	0.0744	8034694	330.6	19836	22.82	1.6776	23.0349	0.932116	1.1812	41.7140	7.91	24.71	23430.5	827439.9	10/30/09 15:00	11/13/09 10:00
11/13/09 9:12	11/27/09 11:18	4-1	12.1735	0.0744	8034676	337.8	20268	21.93	1.6125	23.0751	0.934684	1.1693	41.2944	0.64	24.69	23700.0	836955.9	11/13/09 10:00	11/27/09 12:00
11/27/09 11:23	12/15/09 13:03	4-1	12.1735	0.0744	8034681	431.6	25896	20.85	1.5327	22.9726	0.937454	1.1636	41.0930	-3.76	24.51	30133.2	1064143.1	11/27/09 12:00	12/15/09 14:00
12/15/09 13:09	1/1/10 14:08	4-1	12.1735	0.0744	8034686	409.0	24540	21.29	1.5651	23.1248	0.936611	1.1569	40.8571	-6.32	24.69	28391.4	1002633.7	12/15/09 14:00	1/1/10 15:00

Site 5

Sample Start Date & Time	Sample End Date & Time	Sampler ID	Sampler m	Sampler b	Filter #	Run Time (hr)	Run Time (min)	Avg Pstag ("H_2O)	Avg Pstag ("Hg)	P1	P1/Pa	Flow Rate (m^3/min)	Flow Rate (ft^3/min)	Avg. Temp (°C)	Avg. Press ("Hg)	Volume (m^3)	Volume (ft^3)	Temp & Press Averaging Start Date & Time	Temp & Press Averaging End Date & Time
10/1/09 7:26	10/16/09 13:22	5-1	11.1194	0.1509	8229675	365.9	21954	19.24	1.4147	23.1215	0.942342	1.2003	42.3881	11.23	24.54	26351.3	930588.2	10/1/09 8:00	10/16/09 14:00
10/16/09 13:46	10/30/09 14:56	5-1	10.7234	0.1839	8229663	337.1	20226	19.59	1.4401	23.0962	0.941308	1.1843	41.8223	7.98	24.54	23953.2	845898.8	10/16/09 14:00	10/30/09 15:00
10/30/09 15:02	11/13/09 9:36	5-1	10.7234	0.1839	8034689	330.5	19830	22.36	1.6441	23.0685	0.933470	1.1719	41.3855	7.93	24.71	23238.9	820674.2	10/30/09 16:00	11/13/09 10:00
11/13/09 9:41	11/27/09 10:45	5-1	10.7234	0.1839	8034677	336.8	20208	21.53	1.5831	23.1046	0.935875	1.1603	40.9757	0.63	24.69	23447.4	828037.0	11/13/09 10:00	11/27/09 11:00
11/27/09 10:50	12/15/09 12:36	5-1	10.7234	0.1839	8034682	433.7	26022	20.74	1.5246	22.9803	0.937783	1.1539	40.7494	-3.75	24.50	30026.6	1060380.7	11/27/09 11:00	12/15/09 13:00
12/15/09 12:40	1/1/10 13:07	5-1	10.7234	0.1839	8034687	408.4	24504	20.70	1.5221	23.1679	0.938353	1.1493	40.5859	-6.32	24.69	28161.6	994516.1	12/15/09 13:00	1/1/10 14:00

FOURTH QUARTER 2009 AIR FILTER RESULTS

SampleID	SampleDate	Field	Unit	Result	Qual	MDL/LLD
1-1	10/1/09	AirFlowRate	cfm	42.31		
1-1	10/1/09	SamplingTime	min	21444		
1-1	10/1/09	SampleVolume	liter	25691000		
1-1	10/16/09	AirFlowRate	cfm	42.19		
1-1	10/16/09	SamplingTime	min	20190		
1-1	10/16/09	SampleVolume	liter	24120000		
1-1	10/30/09	AirFlowRate	cfm	41.56		
1-1	10/30/09	SamplingTime	min	19896		
1-1	10/30/09	SampleVolume	liter	23412000		
1-1	11/13/09	AirFlowRate	cfm	41.19		
1-1	11/13/09	SamplingTime	min	20466		
1-1	11/13/09	SampleVolume	liter	23873000		
1-1	11/27/09	AirFlowRate	cfm	40.99		
1-1	11/27/09	SamplingTime	min	8760		
1-1	11/27/09	SampleVolume	liter	10167000		
1-1	12/15/09	AirFlowRate	cfm	40.46		
1-1	12/15/09	SamplingTime	min	24804		
1-1	12/15/09	SampleVolume	liter	28420000		
1-1	10/1/09	TotalSample Volume	liter	135683000		
1-1	10/1/09	UraniumLabResult	mg/filter		U	0.001
1-1	10/1/09	Lead210LabResult	pCi/filter	490		26
1-1	10/1/09	Radium226LabResult	pCi/filter	0.6		1.5
1-1	10/1/09	Thorium230LabResult	pCi/filter	-0.37		2.5
1-1	10/1/09	UraniumConverted	ug/liter		U	7.4E-09
1-1	10/1/09	Lead210Converted	pCi/liter	3.6E-06		1.9E-07
1-1	10/1/09	Radium226Converted	pCi/liter	4.4E-09		1.1E-08
1-1	10/1/09	Thorium230Converted	pCi/liter	-2.7E-09		1.8E-08

FOURTH QUARTER 2009 AIR FILTER RESULTS

SampleID	SampleDate	Field	Unit	Result	Qual	MDL/LLD
2-1	10/1/09	AirFlowRate	cfm	41.45		
2-1	10/1/09	SamplingTime	min	21612		
2-1	10/1/09	SampleVolume	liter	25368000		
2-1	10/16/09	AirFlowRate	cfm	41.18		
2-1	10/16/09	SamplingTime	min	20232		
2-1	10/16/09	SampleVolume	liter	23595000		
2-1	10/30/09	AirFlowRate	cfm	40.67		
2-1	10/30/09	SamplingTime	min	19872		
2-1	10/30/09	SampleVolume	liter	22886000		
2-1	11/13/09	AirFlowRate	cfm	40.17		
2-1	11/13/09	SamplingTime	min	20358		
2-1	11/13/09	SampleVolume	liter	23157000		
2-1	11/27/09	AirFlowRate	cfm	40.05		
2-1	11/27/09	SamplingTime	min	25770		
2-1	11/27/09	SampleVolume	liter	29227000		
2-1	12/15/09	AirFlowRate	cfm	39.98		
2-1	12/15/09	SamplingTime	min	24792		
2-1	12/15/09	SampleVolume	liter	28066000		
2-1	10/1/09	TotalSample Volume	liter	152299000		
2-1	10/1/09	UraniumLabResult	mg/filter		U	0.001
2-1	10/1/09	Lead210LabResult	pCi/filter	590		33
2-1	10/1/09	Radium226LabResult	pCi/filter	0.9		1.8
2-1	10/1/09	Thorium230LabResult	pCi/filter	-0.97		2.9
2-1	10/1/09	UraniumConverted	ug/liter		U	6.6E-09
2-1	10/1/09	Lead210Converted	pCi/liter	3.9E-06		2.2E-07
2-1	10/1/09	Radium226Converted	pCi/liter	5.9E-09		1.2E-08
2-1	10/1/09	Thorium230Converted	pCi/liter	-6.4E-09		1.9E-08

FOURTH QUARTER 2009 AIR FILTER RESULTS

SampleID	SampleDate	Field	Unit	Result	Qual	MDL/LLD
3-1	10/1/09	AirFlowRate	cfm	42.02		
3-1	10/1/09	SamplingTime	min	21762		
3-1	10/1/09	SampleVolume	liter	25896000		
3-1	10/16/09	AirFlowRate	cfm	41.28		
3-1	10/16/09	SamplingTime	min	20226		
3-1	10/16/09	SampleVolume	liter	23643000		
3-1	10/30/09	AirFlowRate	cfm	40.69		
3-1	10/30/09	SamplingTime	min	19842		
3-1	10/30/09	SampleVolume	liter	22860000		
3-1	11/13/09	AirFlowRate	cfm	40.39		
3-1	11/13/09	SamplingTime	min	20334		
3-1	11/13/09	SampleVolume	liter	23254000		
3-1	11/27/09	AirFlowRate	cfm	40.11		
3-1	11/27/09	SamplingTime	min	25860		
3-1	11/27/09	SampleVolume	liter	29373000		
3-1	12/15/09	AirFlowRate	cfm	39.94		
3-1	12/15/09	SamplingTime	min	24786		
3-1	12/15/09	SampleVolume	liter	28029000		
3-1	10/1/09	TotalSample Volume	liter	153055000		
3-1	10/1/09	UraniumLabResult	mg/filter		U	0.001
3-1	10/1/09	Lead210LabResult	pCi/filter	590		27
3-1	10/1/09	Radium226LabResult	pCi/filter	0.67		1.6
3-1	10/1/09	Thorium230LabResult	pCi/filter	5.3		2.5
3-1	10/1/09	UraniumConverted	ug/liter		U	6.5E-09
3-1	10/1/09	Lead210Converted	pCi/liter	3.9E-06		1.8E-07
3-1	10/1/09	Radium226Converted	pCi/liter	4.4E-09		1.0E-08
3-1	10/1/09	Thorium230Converted	pCi/liter	3.5E-08		1.6E-08

FOURTH QUARTER 2009 AIR FILTER RESULTS

SampleID	SampleDate	Field	Unit	Result	Qual	MDL/LLD
4-1	10/1/09	AirFlowRate	cfm	41.73		
4-1	10/1/09	SamplingTime	min	17424		
4-1	10/1/09	SampleVolume	liter	20587000		
4-1	10/16/09	AirFlowRate	cfm	42.08		
4-1	10/16/09	SamplingTime	min	19944		
4-1	10/16/09	SampleVolume	liter	23766000		
4-1	10/30/09	AirFlowRate	cfm	41.71		
4-1	10/30/09	SamplingTime	min	19836		
4-1	10/30/09	SampleVolume	liter	23430000		
4-1	11/13/09	AirFlowRate	cfm	41.29		
4-1	11/13/09	SamplingTime	min	20268		
4-1	11/13/09	SampleVolume	liter	23700000		
4-1	11/27/09	AirFlowRate	cfm	41.09		
4-1	11/27/09	SamplingTime	min	25896		
4-1	11/27/09	SampleVolume	liter	30133000		
4-1	12/15/09	AirFlowRate	cfm	40.86		
4-1	12/15/09	SamplingTime	min	24540		
4-1	12/15/09	SampleVolume	liter	28391000		
4-1	10/1/09	TotalSample Volume	liter	150007000		
4-1	10/1/09	UraniumLabResult	mg/filter		U	0.001
4-1	10/1/09	Lead210LabResult	pCi/filter	700		17
4-1	10/1/09	Radium226LabResult	pCi/filter	0.86		2.5
4-1	10/1/09	Thorium230LabResult	pCi/filter	0.19		2.8
4-1	10/1/09	UraniumConverted	ug/liter		U	6.7E-09
4-1	10/1/09	Lead210Converted	pCi/liter	4.7E-06		1.1E-07
4-1	10/1/09	Radium226Converted	pCi/liter	5.7E-09		1.7E-08
4-1	10/1/09	Thorium230Converted	pCi/liter	1.3E-09		1.9E-08

FOURTH QUARTER 2009 AIR FILTER RESULTS

SampleID	SampleDate	Field	Unit	Result	Qual	MDL/LLD
5-1	10/1/09	AirFlowRate	cfm	42.39		
5-1	10/1/09	SamplingTime	min	21954		
5-1	10/1/09	SampleVolume	liter	26351000		
5-1	10/16/09	AirFlowRate	cfm	41.82		
5-1	10/16/09	SamplingTime	min	20226		
5-1	10/16/09	SampleVolume	liter	23953000		
5-1	10/30/09	AirFlowRate	cfm	41.39		
5-1	10/30/09	SamplingTime	min	19830		
5-1	10/30/09	SampleVolume	liter	23239000		
5-1	11/13/09	AirFlowRate	cfm	40.98		
5-1	11/13/09	SamplingTime	min	20208		
5-1	11/13/09	SampleVolume	liter	23447000		
5-1	11/27/09	AirFlowRate	cfm	40.75		
5-1	11/27/09	SamplingTime	min	26022		
5-1	11/27/09	SampleVolume	liter	30027000		
5-1	12/15/09	AirFlowRate	cfm	40.59		
5-1	12/15/09	SamplingTime	min	24504		
5-1	12/15/09	SampleVolume	liter	28162000		
5-1	10/1/09	TotalSample Volume	liter	155179000		
5-1	10/1/09	UraniumLabResult	mg/filter		U	0.001
5-1	10/1/09	Lead210LabResult	pCi/filter	480		36
5-1	10/1/09	Radium226LabResult	pCi/filter	0.35		1.7
5-1	10/1/09	Thorium230LabResult	pCi/filter	-0.32		3.2
5-1	10/1/09	UraniumConverted	ug/liter		U	6.4E-09
5-1	10/1/09	Lead210Converted	pCi/liter	3.1E-06		2.3E-07
5-1	10/1/09	Radium226Converted	pCi/liter	2.3E-09		1.1E-08
5-1	10/1/09	Thorium230Converted	pCi/liter	-2.1E-09		2.1E-08
TRIP BLANK	10/1/09	UraniumLabResult	mg/filter		U	0.001
TRIP BLANK	10/1/09	Lead210LabResult	pCi/filter	48.0		81
TRIP BLANK	10/1/09	Radium226LabResult	pCi/filter	2.3		7.1
TRIP BLANK	10/1/09	Thorium230LabResult	pCi/filter	0.88		8.4

FOURTH QUARTER 2009 AIR FILTER RESULTS

Field	Unit												
SampleID		1-1		2-1		3-1		4-1		5-1		Trip Blank	
SampleDate	Date	10/1/09		10/1/09		10/1/09		10/1/09		10/1/09		10/1/09	
SampleVolume	liter	135683000		152299000		153055000		150007000		155179000		N/A	
UraniumConverted	ug/liter	7.4E-09	U	6.6E-09	U	6.5E-09	U	6.7E-09	U	6.4E-09	U	1.0E-03	U
Lead210Converted	pCi/liter	3.6E-06		3.9E-06		3.9E-06		4.7E-06		3.1E-06		4.8E+01	
Radium226Converted	pCi/liter	4.4E-09		5.9E-09		4.4E-09		5.7E-09		2.3E-09		2.3E+00	
Thorium230Converted	pCi/liter	-2.7E-09		-6.4E-09		3.5E-08		1.3E-09		-2.1E-09		8.8E-01	