

July 28, 2010

Report to:

Levi Kryder

Nye County Natural Res & Fed Facilities

2101 E. Calvada Blvd. Suite 100

Pahrump, NV 89048

Bill to:

Levi Kryder

Nye County Natural Res & Fed Facilities

2101 E. Calvada Blvd. Suite 100

Pahrump, NV 89048

Project ID: 10-098-LK-(L)

ACZ Project ID: L83245

Levi Kryder:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 14, 2010. This project has been assigned to ACZ's project number, L83245. 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 L83245. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

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

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

All samples and sub-samples associated with this project will be disposed of after August 28, 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.



Nye County Natural Res Fed Facilities

July 28, 2010

Project ID: 10-098-LK-(L)

ACZ Project ID: L83245

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 4 ground water samples from Nye County Natural Res & Fed Facilities on July 14, 2010. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L83245. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses except those qualified with an ACZ 'H' flag were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both the ACZ invoice and the analytical reports.

Nye County Natural Res & Fed Facilities

Project ID: 10-098-LK-(L)

Sample ID: PV4

ACZ Sample ID: **L83245-01**

Date Sampled: 07/06/10 00:00

Date Received: 07/14/10

Sample Matrix: Ground Water

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Phosphorus, total	M365.1 - Auto Ascorbic Acid Digestion							07/21/10 10:25	mpb

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	07/19/10 13:32	aeH
Antimony, dissolved	M200.8 ICP-MS		U		mg/L	0.0004	0.002	07/27/10 9:26	msh
Arsenic, dissolved	M200.8 ICP-MS	0.0029			mg/L	0.0005	0.002	07/27/10 9:26	msh
Barium, dissolved	M200.7 ICP	0.090			mg/L	0.003	0.02	07/19/10 13:32	aeH
Beryllium, dissolved	M200.7 ICP		U		mg/L	0.002	0.01	07/19/10 13:32	aeH
Boron, dissolved	M200.7 ICP	0.14			mg/L	0.01	0.05	07/19/10 13:32	aeH
Cadmium, dissolved	M200.7 ICP		U		mg/L	0.005	0.02	07/19/10 19:35	ear
Chromium, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 19:35	ear
Cobalt, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 13:32	aeH
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 13:32	aeH
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/19/10 19:35	ear
Lead, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	07/27/10 9:26	msh
Lithium, dissolved	M200.7 ICP	0.02	B		mg/L	0.02	0.1	07/19/10 13:32	aeH
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	07/19/10 19:35	ear
Molybdenum, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 13:32	aeH
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 19:35	ear
Selenium, dissolved	M200.8 ICP-MS	0.0005			mg/L	0.0001	0.0003	07/27/10 9:26	msh
Silver, dissolved	M200.8 ICP-MS		U		mg/L	0.00005	0.0003	07/27/10 9:26	msh
Sodium, dissolved	M200.7 ICP	12.0			mg/L	0.3	2	07/20/10 11:07	ear
Strontium, dissolved	M200.7 ICP	0.56			mg/L	0.01	0.05	07/19/10 13:32	aeH
Thallium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	07/27/10 9:26	msh
Titanium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	07/19/10 13:32	aeH
Uranium, dissolved	M200.8 ICP-MS	0.0024			mg/L	0.0001	0.0005	07/27/10 9:26	msh
Vanadium, dissolved	M200.7 ICP	0.008	B		mg/L	0.005	0.03	07/19/10 19:35	ear
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 19:35	ear

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Bromide	M300.0 - Ion Chromatography		U	*	mg/L	0.01	0.05	07/20/10 20:11	aml
Chloride	M300.0 - Ion Chromatography	3.7		*	mg/L	0.5	3	07/20/10 20:11	aml
Fluoride	M300.0 - Ion Chromatography	0.6		*	mg/L	0.1	0.5	07/20/10 20:11	aml
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.34		*	mg/L	0.02	0.1	07/21/10 21:24	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	07/19/10 16:11	itk
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.04	B	*	mg/L	0.01	0.05	07/21/10 20:14	pjb
Residue, Filterable (TDS) @180C	SM2540C	250	H	*	mg/L	10	20	07/14/10 16:45	jjc

Nye County Natural Res & Fed Facilities

Project ID: 10-098-LK-(L)

Sample ID: PV5

ACZ Sample ID: **L83245-02**

Date Sampled: 07/06/10 00:00

Date Received: 07/14/10

Sample Matrix: Ground Water

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Phosphorus, total	M365.1 - Auto Ascorbic Acid Digestion							07/21/10 10:46	mpb

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	07/19/10 13:36	aeH
Antimony, dissolved	M200.8 ICP-MS		U		mg/L	0.0004	0.002	07/27/10 9:30	msh
Arsenic, dissolved	M200.8 ICP-MS	0.0029			mg/L	0.0005	0.002	07/27/10 9:30	msh
Barium, dissolved	M200.7 ICP	0.105			mg/L	0.003	0.02	07/19/10 13:36	aeH
Beryllium, dissolved	M200.7 ICP		U		mg/L	0.002	0.01	07/19/10 13:36	aeH
Boron, dissolved	M200.7 ICP	0.04	B		mg/L	0.01	0.05	07/19/10 13:36	aeH
Cadmium, dissolved	M200.7 ICP		U		mg/L	0.005	0.02	07/19/10 19:38	ear
Chromium, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 19:38	ear
Cobalt, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 13:36	aeH
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 13:36	aeH
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/19/10 19:38	ear
Lead, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	07/27/10 9:30	msh
Lithium, dissolved	M200.7 ICP		U		mg/L	0.02	0.1	07/19/10 13:36	aeH
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	07/19/10 19:38	ear
Molybdenum, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 13:36	aeH
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 19:38	ear
Selenium, dissolved	M200.8 ICP-MS	0.0008			mg/L	0.0001	0.0003	07/27/10 9:30	msh
Silver, dissolved	M200.8 ICP-MS		U		mg/L	0.00005	0.0003	07/27/10 9:30	msh
Sodium, dissolved	M200.7 ICP	9.1			mg/L	0.3	2	07/20/10 11:10	ear
Strontium, dissolved	M200.7 ICP	0.48			mg/L	0.01	0.05	07/19/10 13:36	aeH
Thallium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	07/27/10 9:30	msh
Titanium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	07/19/10 13:36	aeH
Uranium, dissolved	M200.8 ICP-MS	0.0020			mg/L	0.0001	0.0005	07/27/10 9:30	msh
Vanadium, dissolved	M200.7 ICP	0.006	B		mg/L	0.005	0.03	07/19/10 19:38	ear
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 19:38	ear

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Bromide	M300.0 - Ion Chromatography	0.11		*	mg/L	0.01	0.05	07/20/10 20:32	aml
Chloride	M300.0 - Ion Chromatography	28.1		*	mg/L	0.5	3	07/20/10 20:32	aml
Fluoride	M300.0 - Ion Chromatography	0.4	B	*	mg/L	0.1	0.5	07/20/10 20:32	aml
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1.03		*	mg/L	0.02	0.1	07/21/10 21:27	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	07/19/10 16:15	itk
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.04	B	*	mg/L	0.01	0.05	07/21/10 20:16	pjb
Residue, Filterable (TDS) @180C	SM2540C	270	H	*	mg/L	10	20	07/14/10 16:46	jjc

Nye County Natural Res & Fed Facilities

Project ID: 10-098-LK-(L)

Sample ID: 33PA

ACZ Sample ID: **L83245-03**

Date Sampled: 07/07/10 00:00

Date Received: 07/14/10

Sample Matrix: Ground Water

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Phosphorus, total	M365.1 - Auto Ascorbic Acid Digestion							07/21/10 11:07	mpb

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	07/19/10 13:39	aeH
Antimony, dissolved	M200.8 ICP-MS		U		mg/L	0.0004	0.002	07/27/10 9:34	msh
Arsenic, dissolved	M200.8 ICP-MS	0.0050			mg/L	0.0005	0.002	07/27/10 9:34	msh
Barium, dissolved	M200.7 ICP	0.007	B		mg/L	0.003	0.02	07/19/10 13:39	aeH
Beryllium, dissolved	M200.7 ICP		U		mg/L	0.002	0.01	07/19/10 13:39	aeH
Boron, dissolved	M200.7 ICP	0.30			mg/L	0.01	0.05	07/19/10 13:39	aeH
Cadmium, dissolved	M200.7 ICP		U		mg/L	0.005	0.02	07/19/10 19:47	ear
Chromium, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 19:47	ear
Cobalt, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 13:39	aeH
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 13:39	aeH
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/19/10 19:47	ear
Lead, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	07/27/10 9:34	msh
Lithium, dissolved	M200.7 ICP	0.09	B		mg/L	0.02	0.1	07/19/10 13:39	aeH
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	07/19/10 19:47	ear
Molybdenum, dissolved	M200.7 ICP	0.01	B		mg/L	0.01	0.05	07/19/10 13:39	aeH
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 19:47	ear
Selenium, dissolved	M200.8 ICP-MS	0.0004			mg/L	0.0001	0.0003	07/27/10 9:34	msh
Silver, dissolved	M200.8 ICP-MS		U		mg/L	0.00005	0.0003	07/27/10 9:34	msh
Sodium, dissolved	M200.7 ICP	75.8			mg/L	0.3	2	07/20/10 11:20	ear
Strontium, dissolved	M200.7 ICP	0.05	B		mg/L	0.01	0.05	07/19/10 13:39	aeH
Thallium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	07/27/10 9:34	msh
Titanium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	07/19/10 13:39	aeH
Uranium, dissolved	M200.8 ICP-MS	0.0037			mg/L	0.0001	0.0005	07/27/10 9:34	msh
Vanadium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	07/19/10 19:47	ear
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 19:47	ear

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Bromide	M300.0 - Ion Chromatography	0.03	B	*	mg/L	0.01	0.05	07/20/10 20:53	aml
Chloride	M300.0 - Ion Chromatography	8.7		*	mg/L	0.5	3	07/20/10 20:53	aml
Fluoride	M300.0 - Ion Chromatography	2.4		*	mg/L	0.1	0.5	07/20/10 20:53	aml
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1.03		*	mg/L	0.02	0.1	07/21/10 21:30	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	07/19/10 16:17	itk
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.02	B	*	mg/L	0.01	0.05	07/21/10 20:19	pjb
Residue, Filterable (TDS) @180C	SM2540C	280			mg/L	10	20	07/14/10 16:47	jjc

Nye County Natural Res & Fed Facilities

Project ID: 10-098-LK-(L)

Sample ID: BLAGG SPRING WELL

ACZ Sample ID: **L83245-04**

Date Sampled: 07/08/10 00:00

Date Received: 07/14/10

Sample Matrix: Ground Water

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Phosphorus, total	M365.1 - Auto Ascorbic Acid Digestion							07/21/10 11:17	mpb

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	07/19/10 13:42	aeH
Antimony, dissolved	M200.8 ICP-MS		U		mg/L	0.0004	0.002	07/27/10 9:38	msh
Arsenic, dissolved	M200.8 ICP-MS	0.0007	B		mg/L	0.0005	0.002	07/27/10 9:38	msh
Barium, dissolved	M200.7 ICP	0.059			mg/L	0.003	0.02	07/19/10 13:42	aeH
Beryllium, dissolved	M200.7 ICP		U		mg/L	0.002	0.01	07/19/10 13:42	aeH
Boron, dissolved	M200.7 ICP	0.04	B		mg/L	0.01	0.05	07/19/10 13:42	aeH
Cadmium, dissolved	M200.7 ICP		U		mg/L	0.005	0.02	07/19/10 19:50	ear
Chromium, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 19:50	ear
Cobalt, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 13:42	aeH
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 13:42	aeH
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	07/19/10 19:50	ear
Lead, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	07/27/10 9:38	msh
Lithium, dissolved	M200.7 ICP		U		mg/L	0.02	0.1	07/19/10 13:42	aeH
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	07/19/10 19:50	ear
Molybdenum, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 13:42	aeH
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 19:50	ear
Selenium, dissolved	M200.8 ICP-MS	0.0007			mg/L	0.0001	0.0003	07/27/10 9:38	msh
Silver, dissolved	M200.8 ICP-MS		U		mg/L	0.00005	0.0003	07/27/10 9:38	msh
Sodium, dissolved	M200.7 ICP	5.3			mg/L	0.3	2	07/20/10 11:23	ear
Strontium, dissolved	M200.7 ICP	0.28			mg/L	0.01	0.05	07/19/10 13:42	aeH
Thallium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	07/27/10 9:38	msh
Titanium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	07/19/10 13:42	aeH
Uranium, dissolved	M200.8 ICP-MS	0.0012			mg/L	0.0001	0.0005	07/27/10 9:38	msh
Vanadium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	07/19/10 19:50	ear
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	07/19/10 19:50	ear

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Bromide	M300.0 - Ion Chromatography		U	*	mg/L	0.01	0.05	07/20/10 21:57	aml
Chloride	M300.0 - Ion Chromatography	3.1		*	mg/L	0.5	3	07/20/10 21:57	aml
Fluoride	M300.0 - Ion Chromatography	0.1	B	*	mg/L	0.1	0.5	07/20/10 21:57	aml
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.43		*	mg/L	0.02	0.1	07/21/10 21:31	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	07/19/10 16:18	itk
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.01	B	*	mg/L	0.01	0.05	07/21/10 20:20	pjb
Residue, Filterable (TDS) @180C	SM2540C	230			mg/L	10	20	07/14/10 16:48	jjc

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>

Nye County Natural Res & Fed Facilities
 Project ID: 10-098-LK-(L)

ACZ Project ID: **L83245**

Aluminum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286267													
WG286267ICV	ICV	07/19/10 12:43	II100622-1	2		1.977	mg/L	98.9	95	105			
WG286267ICB	ICB	07/19/10 12:46				U	mg/L		-0.09	0.09			
WG286267LFB	LFB	07/19/10 13:00	II100629-3	1		1.129	mg/L	112.9	85	115			
L83244-02AS	AS	07/19/10 13:06	II100629-3	1	2	3.011	mg/L	101.1	85	115			
L83244-02ASD	ASD	07/19/10 13:09	II100629-3	1	2	2.988	mg/L	98.8	85	115	0.77	20	

Antimony, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286713													
WG286713ICV	ICV	07/27/10 7:53	MS100628-2	.02		.01989	mg/L	99.5	90	110			
WG286713ICB	ICB	07/27/10 8:00				U	mg/L		-0.00088	0.00088			
WG286713LFB	LFB	07/27/10 8:07	MS100719-1	.01		.01015	mg/L	101.5	85	115			
L83243-03AS	AS	07/27/10 9:05	MS100719-1	.01	.0006	.01	mg/L	94	70	130			
L83243-03ASD	ASD	07/27/10 9:09	MS100719-1	.01	.0006	.00996	mg/L	93.6	70	130	0.4	20	

Arsenic, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286713													
WG286713ICV	ICV	07/27/10 7:53	MS100628-2	.05		.05446	mg/L	108.9	90	110			
WG286713ICB	ICB	07/27/10 8:00				U	mg/L		-0.0011	0.0011			
WG286713LFB	LFB	07/27/10 8:07	MS100719-1	.05005		.05279	mg/L	105.5	85	115			
L83243-03AS	AS	07/27/10 9:05	MS100719-1	.05005	.0209	.07301	mg/L	104.1	70	130			
L83243-03ASD	ASD	07/27/10 9:09	MS100719-1	.05005	.0209	.07194	mg/L	102	70	130	1.48	20	

Barium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286267													
WG286267ICV	ICV	07/19/10 12:43	II100622-1	2		1.9437	mg/L	97.2	95	105			
WG286267ICB	ICB	07/19/10 12:46				U	mg/L		-0.009	0.009			
WG286267LFB	LFB	07/19/10 13:00	II100629-3	.5		.4996	mg/L	99.9	85	115			
L83244-02AS	AS	07/19/10 13:06	II100629-3	.5	.023	.5332	mg/L	102	85	115			
L83244-02ASD	ASD	07/19/10 13:09	II100629-3	.5	.023	.5352	mg/L	102.4	85	115	0.37	20	

Beryllium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286267													
WG286267ICV	ICV	07/19/10 12:43	II100622-1	2		1.9587	mg/L	97.9	95	105			
WG286267ICB	ICB	07/19/10 12:46				.0039	mg/L		-0.006	0.006			
WG286267LFB	LFB	07/19/10 13:00	II100629-3	.5		.5004	mg/L	100.1	85	115			
L83244-02AS	AS	07/19/10 13:06	II100629-3	.5	U	.5018	mg/L	100.4	85	115			
L83244-02ASD	ASD	07/19/10 13:09	II100629-3	.5	U	.502	mg/L	100.4	85	115	0.04	20	

Nye County Natural Res & Fed Facilities
 Project ID: 10-098-LK-(L)

ACZ Project ID: **L83245**

Boron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286267													
WG286267ICV	ICV	07/19/10 12:43	II100622-1	2		1.92	mg/L	96	95	105			
WG286267ICB	ICB	07/19/10 12:46				U	mg/L		-0.03	0.03			
WG286267LFB	LFB	07/19/10 13:00	II100629-3	.501		.51	mg/L	101.8	85	115			
L83244-02AS	AS	07/19/10 13:06	II100629-3	.501	U	.528	mg/L	105.4	85	115			
L83244-02ASD	ASD	07/19/10 13:09	II100629-3	.501	U	.529	mg/L	105.6	85	115	0.19	20	

Bromide

M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286384													
WG286384ICV	ICV	07/02/10 14:48	WI100602-2	3.992		4.093	mg/L	102.5	90	110			
WG286384ICB	ICB	07/02/10 15:09				U	mg/L		-0.03	0.03			
WG286384LFB	LFB	07/20/10 17:43	WI100707-9	1.5		1.362	mg/L	90.8	90	110			
L83167-01DUP	DUP	07/20/10 18:26			U	U	mg/L				0	20	RA
L83231-06AS	AS	07/20/10 19:08	WI100707-9	1.5	U	1.445	mg/L	96.3	90	110			

Cadmium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286310													
WG286310ICV	ICV	07/19/10 18:54	II100622-1	2		1.9842	mg/L	99.2	95	105			
WG286310ICB	ICB	07/19/10 18:58				U	mg/L		-0.015	0.015			
WG286310LFB	LFB	07/19/10 19:10	II100629-3	.5		.5019	mg/L	100.4	85	115			
L83244-02AS	AS	07/19/10 19:17	II100629-3	.5	U	.5109	mg/L	102.2	85	115			
L83244-02ASD	ASD	07/19/10 19:20	II100629-3	.5	U	.5199	mg/L	104	85	115	1.75	20	

Chloride

M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286384													
WG286384ICV	ICV	07/02/10 14:48	WI100602-2	19.94		20.05	mg/L	100.6	90	110			
WG286384ICB	ICB	07/02/10 15:09				U	mg/L		-1.5	1.5			
WG286384LFB	LFB	07/20/10 17:43	WI100707-9	30		28.94	mg/L	96.5	90	110			
L83167-01DUP	DUP	07/20/10 18:26			U	U	mg/L				0	20	RA
L83231-06AS	AS	07/20/10 19:08	WI100707-9	30	3.5	33.43	mg/L	99.8	90	110			

Chromium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286310													
WG286310ICV	ICV	07/19/10 18:54	II100622-1	2		2.042	mg/L	102.1	95	105			
WG286310ICB	ICB	07/19/10 18:58				U	mg/L		-0.03	0.03			
WG286310LFB	LFB	07/19/10 19:10	II100629-3	.5		.514	mg/L	102.8	85	115			
L83244-02AS	AS	07/19/10 19:17	II100629-3	.5	U	.514	mg/L	102.8	85	115			
L83244-02ASD	ASD	07/19/10 19:20	II100629-3	.5	U	.52	mg/L	104	85	115	1.16	20	

Nye County Natural Res & Fed Facilities
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ACZ Project ID: **L83245**

Cobalt, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286267													
WG286267ICV	ICV	07/19/10 12:43	II100622-1	2		1.895	mg/L	94.8	95	105			
WG286267ICB	ICB	07/19/10 12:46				U	mg/L		-0.03	0.03			
WG286267LFB	LFB	07/19/10 13:00	II100629-3	.5		.486	mg/L	97.2	85	115			
L83244-02AS	AS	07/19/10 13:06	II100629-3	.5	U	.515	mg/L	103	85	115			
L83244-02ASD	ASD	07/19/10 13:09	II100629-3	.5	U	.512	mg/L	102.4	85	115	0.58	20	

Copper, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286267													
WG286267ICV	ICV	07/19/10 12:43	II100622-1	2		1.915	mg/L	95.8	95	105			
WG286267ICB	ICB	07/19/10 12:46				U	mg/L		-0.03	0.03			
WG286267LFB	LFB	07/19/10 13:00	II100629-3	.5		.503	mg/L	100.6	85	115			
L83244-02AS	AS	07/19/10 13:06	II100629-3	.5	.05	.561	mg/L	102.2	85	115			
L83244-02ASD	ASD	07/19/10 13:09	II100629-3	.5	.05	.563	mg/L	102.6	85	115	0.36	20	

Fluoride

M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286384													
WG286384ICV	ICV	07/02/10 14:48	WI100602-2	4		4.13	mg/L	103.3	90	110			
WG286384ICB	ICB	07/02/10 15:09				U	mg/L		-0.3	0.3			
WG286384LFB	LFB	07/20/10 17:43	WI100707-9	1.5		1.42	mg/L	94.7	90	110			
L83167-01DUP	DUP	07/20/10 18:26			U	U	mg/L				0	20	RA
L83231-06AS	AS	07/20/10 19:08	WI100707-9	1.5	U	1.49	mg/L	99.3	90	110			

Iron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286310													
WG286310ICV	ICV	07/19/10 18:54	II100622-1	2		2.019	mg/L	101	95	105			
WG286310ICB	ICB	07/19/10 18:58				U	mg/L		-0.06	0.06			
WG286310LFB	LFB	07/19/10 19:10	II100629-3	1		1.056	mg/L	105.6	85	115			
L83244-02AS	AS	07/19/10 19:17	II100629-3	1	1.57	2.565	mg/L	99.5	85	115			
L83244-02ASD	ASD	07/19/10 19:20	II100629-3	1	1.57	2.589	mg/L	101.9	85	115	0.93	20	

Lead, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286713													
WG286713ICV	ICV	07/27/10 7:53	MS100628-2	.05		.05325	mg/L	106.5	90	110			
WG286713ICB	ICB	07/27/10 8:00				U	mg/L		-0.00022	0.00022			
WG286713LFB	LFB	07/27/10 8:07	MS100719-1	.05005		.05118	mg/L	102.3	85	115			
L83243-03AS	AS	07/27/10 9:05	MS100719-1	.05005	U	.05278	mg/L	105.5	70	130			
L83243-03ASD	ASD	07/27/10 9:09	MS100719-1	.05005	U	.05281	mg/L	105.5	70	130	0.06	20	

Nye County Natural Res & Fed Facilities
 Project ID: 10-098-LK-(L)

ACZ Project ID: **L83245**

Lithium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286267													
WG286267ICV	ICV	07/19/10 12:43	II100622-1	2		2.013	mg/L	100.7	95	105			
WG286267ICB	ICB	07/19/10 12:46				U	mg/L		-0.06	0.06			
WG286267LFB	LFB	07/19/10 13:00	II100629-3	1		1.053	mg/L	105.3	85	115			
L83244-02AS	AS	07/19/10 13:06	II100629-3	1	U	1.079	mg/L	107.9	85	115			
L83244-02ASD	ASD	07/19/10 13:09	II100629-3	1	U	1.077	mg/L	107.7	85	115	0.19	20	

Manganese, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286310													
WG286310ICV	ICV	07/19/10 18:54	II100622-1	2		1.9492	mg/L	97.5	95	105			
WG286310ICB	ICB	07/19/10 18:58				U	mg/L		-0.015	0.015			
WG286310LFB	LFB	07/19/10 19:10	II100629-3	.5		.5272	mg/L	105.4	85	115			
L83244-02AS	AS	07/19/10 19:17	II100629-3	.5	.04	.5681	mg/L	105.6	85	115			
L83244-02ASD	ASD	07/19/10 19:20	II100629-3	.5	.04	.5787	mg/L	107.7	85	115	1.85	20	

Molybdenum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286267													
WG286267ICV	ICV	07/19/10 12:43	II100622-1	2		1.921	mg/L	96.1	95	105			
WG286267ICB	ICB	07/19/10 12:46				U	mg/L		-0.03	0.03			
WG286267LFB	LFB	07/19/10 13:00	II100629-3	.5		.501	mg/L	100.2	85	115			
L83244-02AS	AS	07/19/10 13:06	II100629-3	.5	U	.536	mg/L	107.2	85	115			
L83244-02ASD	ASD	07/19/10 13:09	II100629-3	.5	U	.525	mg/L	105	85	115	2.07	20	

Nickel, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286310													
WG286310ICV	ICV	07/19/10 18:54	II100622-1	2.002		1.937	mg/L	96.8	95	105			
WG286310ICB	ICB	07/19/10 18:58				U	mg/L		-0.03	0.03			
WG286310LFB	LFB	07/19/10 19:10	II100629-3	.5		.502	mg/L	100.4	85	115			
L83244-02AS	AS	07/19/10 19:17	II100629-3	.5	U	.518	mg/L	103.6	85	115			
L83244-02ASD	ASD	07/19/10 19:20	II100629-3	.5	U	.517	mg/L	103.4	85	115	0.19	20	

Nitrate/Nitrite as N

M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286459													
WG286459ICV	ICV	07/21/10 19:26	WI100624-5	2.416		2.412	mg/L	99.8	90	110			
WG286459ICB	ICB	07/21/10 19:27				U	mg/L		-0.06	0.06			
WG286470													
WG286470LFB	LFB	07/21/10 21:03	WI100319-1	2		1.96	mg/L	98	90	110			
L83245-01AS	AS	07/21/10 21:26	WI100319-1	2	.34	2.275	mg/L	96.8	90	110			
L83245-02DUP	DUP	07/21/10 21:28			1.03	1.047	mg/L				1.6	20	

Nye County Natural Res & Fed Facilities
 Project ID: 10-098-LK-(L)

ACZ Project ID: **L83245**

Nitrogen, ammonia

M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286293													
WG286293ICV	ICV	07/19/10 15:32	WI091201-1	1		.982	mg/L	98.2	90	110			
WG286293ICB	ICB	07/19/10 15:33				U	mg/L		-0.15	0.15			
WG286293LFB1	LFB	07/19/10 15:34	WI091105-5	3		3.004	mg/L	100.1	90	110			
WG286293LFB2	LFB	07/19/10 16:08	WI091105-5	3		2.978	mg/L	99.3	90	110			
L83244-06AS	AS	07/19/10 16:10	WI091105-5	3	U	2.991	mg/L	99.7	90	110			
L83245-01DUP	DUP	07/19/10 16:12			U	U	mg/L				0	20	RA

Phosphorus, total

M365.1 - Auto Ascorbic Acid (digest)

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286466													
WG286466ICV	ICV	07/21/10 19:54	WI100615-7	.65228		.714	mg/L	109.5	90	110			
WG286466ICB	ICB	07/21/10 19:56				U	mg/L		-0.03	0.03			
WG286359LRB	LRB	07/21/10 19:57				U	mg/L		-0.03	0.03			
WG286359LFB	LFB	07/21/10 19:58	WI100707-5	.5		.512	mg/L	102.4	90	110			
L83245-01LFM	LFM	07/21/10 20:15	WI100707-5	.5	.04	.536	mg/L	99.2	90	110			
L83245-02DUP	DUP	07/21/10 20:17			.04	.044	mg/L				9.5	20	RA

Residue, Filterable (TDS) @180C

SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286061													
WG286061PBW	PBW	07/14/10 16:25				U	mg/L		-20	20			
WG286061LCSW	LCSW	07/14/10 16:26	PCN34809	260		266	mg/L	102.3	80	120			
L83245-04DUP	DUP	07/14/10 16:49			230	218	mg/L				5.4	20	

Selenium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286713													
WG286713ICV	ICV	07/27/10 7:53	MS100628-2	.05		.05411	mg/L	108.2	90	110			
WG286713ICB	ICB	07/27/10 8:00				U	mg/L		-0.00022	0.00022			
WG286713LFB	LFB	07/27/10 8:07	MS100719-1	.05005		.04906	mg/L	98	85	115			
L83243-03AS	AS	07/27/10 9:05	MS100719-1	.05005	.0161	.06735	mg/L	102.4	70	130			
L83243-03ASD	ASD	07/27/10 9:09	MS100719-1	.05005	.0161	.06758	mg/L	102.9	70	130	0.34	20	

Silver, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286713													
WG286713ICV	ICV	07/27/10 7:53	MS100628-2	.02002		.02008	mg/L	100.3	90	110			
WG286713ICB	ICB	07/27/10 8:00				U	mg/L		-0.00011	0.00011			
WG286713LFB	LFB	07/27/10 8:07	MS100719-1	.01002		.01093	mg/L	109.1	85	115			
L83243-03AS	AS	07/27/10 9:05	MS100719-1	.01002	U	.009685	mg/L	96.7	70	130			
L83243-03ASD	ASD	07/27/10 9:09	MS100719-1	.01002	U	.009535	mg/L	95.2	70	130	1.56	20	

Nye County Natural Res & Fed Facilities

ACZ Project ID: **L83245**

Project ID: 10-098-LK-(L)

Sodium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286338													
WG286338ICV	ICV	07/20/10 10:26	II100622-1	100		100.82	mg/L	100.8	95	105			
WG286338ICB	ICB	07/20/10 10:30				U	mg/L		-0.9	0.9			
WG286338LFB	LFB	07/20/10 10:42	II100719-2	100.018		102.64	mg/L	102.6	85	115			
L83244-02AS	AS	07/20/10 10:49	II100719-2	100.018	.4	105.53	mg/L	105.1	85	115			
L83244-02ASD	ASD	07/20/10 10:52	II100719-2	100.018	.4	104.81	mg/L	104.4	85	115	0.68	20	

Strontium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286267													
WG286267ICV	ICV	07/19/10 12:43	II100622-1	2		1.918	mg/L	95.9	95	105			
WG286267ICB	ICB	07/19/10 12:46				U	mg/L		-0.03	0.03			
WG286267LFB	LFB	07/19/10 13:00	II100629-3	.5		.53	mg/L	106	85	115			
L83244-02AS	AS	07/19/10 13:06	II100629-3	.5	.02	.564	mg/L	108.8	85	115			
L83244-02ASD	ASD	07/19/10 13:09	II100629-3	.5	.02	.563	mg/L	108.6	85	115	0.18	20	

Thallium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286713													
WG286713ICV1	ICV	07/27/10 7:56	MS100628-2	.05		.05117	mg/L	102.3	90	110			
WG286713ICB	ICB	07/27/10 8:00				U	mg/L		-0.00022	0.00022			
WG286713LFB	LFB	07/27/10 8:07	MS100719-1	.0501		.05047	mg/L	100.7	85	115			
L83243-03AS	AS	07/27/10 9:05	MS100719-1	.0501	U	.05279	mg/L	105.4	70	130			
L83243-03ASD	ASD	07/27/10 9:09	MS100719-1	.0501	U	.05316	mg/L	106.1	70	130	0.7	20	

Titanium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286267													
WG286267ICV	ICV	07/19/10 12:43	II100622-1	2		1.9544	mg/L	97.7	95	105			
WG286267ICB	ICB	07/19/10 12:46				U	mg/L		-0.015	0.015			
WG286267LFB	LFB	07/19/10 13:00	II100629-3	1		1.0258	mg/L	102.6	85	115			
L83244-02AS	AS	07/19/10 13:06	II100629-3	1	U	1.0633	mg/L	106.3	85	115			
L83244-02ASD	ASD	07/19/10 13:09	II100629-3	1	U	1.0666	mg/L	106.7	85	115	0.31	20	

Uranium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286713													
WG286713ICV	ICV	07/27/10 7:53	MS100628-2	.05		.05232	mg/L	104.6	90	110			
WG286713ICB	ICB	07/27/10 8:00				U	mg/L		-0.00022	0.00022			
WG286713LFB	LFB	07/27/10 8:07	MS100719-1	.05		.04917	mg/L	98.3	85	115			
L83243-03AS	AS	07/27/10 9:05	MS100719-1	.05	.0043	.05842	mg/L	108.2	70	130			
L83243-03ASD	ASD	07/27/10 9:09	MS100719-1	.05	.0043	.05828	mg/L	108	70	130	0.24	20	

Nye County Natural Res & Fed Facilities
 Project ID: 10-098-LK-(L)

ACZ Project ID: **L83245**

Vanadium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286310													
WG286310ICV	ICV	07/19/10 18:54	II100622-1	2		2.0789	mg/L	103.9	95	105			
WG286310ICB	ICB	07/19/10 18:58				U	mg/L		-0.015	0.015			
WG286310LFB	LFB	07/19/10 19:10	II100629-3	.5		.5393	mg/L	107.9	85	115			
L83244-02AS	AS	07/19/10 19:17	II100629-3	.5	U	.5385	mg/L	107.7	85	115			
L83244-02ASD	ASD	07/19/10 19:20	II100629-3	.5	U	.5419	mg/L	108.4	85	115	0.63	20	

Zinc, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286310													
WG286310ICV	ICV	07/19/10 18:54	II100622-1	2		1.926	mg/L	96.3	95	105			
WG286310ICB	ICB	07/19/10 18:58				U	mg/L		-0.03	0.03			
WG286310LFB	LFB	07/19/10 19:10	II100629-3	.5		.533	mg/L	106.6	85	115			
L83244-02AS	AS	07/19/10 19:17	II100629-3	.5	U	.555	mg/L	111	85	115			
L83244-02ASD	ASD	07/19/10 19:20	II100629-3	.5	U	.558	mg/L	111.6	85	115	0.54	20	

Nye County Natural Res & Fed Facilities

ACZ Project ID: **L83245**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L83245-01	WG286384	Bromide	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Fluoride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG286470	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).
	WG286293	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).
	WG286466	Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG286061	Residue, Filterable (TDS) @180C	SM2540C	H3	Sample was received and analyzed past holding time.
L83245-02	WG286384	Bromide	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Fluoride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG286470	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).
	WG286293	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).
	WG286466	Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG286061	Residue, Filterable (TDS) @180C	SM2540C	H3	Sample was received and analyzed past holding time.
L83245-03	WG286384	Bromide	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Fluoride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG286470	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).
	WG286293	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).
	WG286466	Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

Nye County Natural Res & Fed Facilities

ACZ Project ID: L83245

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L83245-04	WG286384	Bromide	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Chloride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Fluoride	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG286470	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).
	WG286293	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).
	WG286466	Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

Nye County Natural Res & Fed Facilities

ACZ Project ID: **L83245**

No certification qualifiers associated with this analysis

Nye County Natural Res & Fed Facilities
10-098-LK-(L)

ACZ Project ID: L83245
Date Received: 07/14/2010 09:55
Received By: gac
Date Printed: 7/14/2010

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?			
11) Are the trip blanks (VOA and/or Cyanide) present?			
12) Are samples requiring no headspace, headspace free?			
13) Do the samples that require a Foreign Soils Permit have one?			

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

Some parameters were received past hold time.

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

The client was not contacted.

Shipping Containers

Cooler Id		Temp (°C)	Rad (µR/hr)
Na11221		3.6	13
Na11222		1.4	14

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

Notes

Nye County Natural Res & Fed Facilities
 10-098-LK-(L)

ACZ Project ID: L83245
 Date Received: 07/14/2010 09:55
 Received By: gac
 Date Printed: 7/14/2010

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
L83245-01	PV4		Y		Y							<input type="checkbox"/>
L83245-02	PV5		Y		Y							<input type="checkbox"/>
L83245-03	33PA		Y		Y							<input type="checkbox"/>
L83245-04	BLAGG SPRING WELL		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: gac

Attachment A
Chain of Custody Form

1832415

Nye County Nuclear Waste Repository Project Office						Form TP 11.1-1 Rev 0
Water Sample Chain of Custody Form						11-20-08
Sample Number	Well Name or Location	Date Collected	Date Shipped	Analysis	Number of Containers	
GWS0240	PV4	7/6/2010	7/13/2010	Raw, Wet Chemistry	1 - 250, 1-60 ml	
				Filtered, Wet Chemistry	1 - 250 ml	
				Filtered, HNO3, Metals	1 - 250 ml	
				H2SO4, N-NH3, NO3-NO2, Total P	1 - 250 ml	
GWS0241	PV5	7/6/2010	7/13/2010	Raw, Wet Chemistry	1 - 250, 2-125 ml	
				Filtered, Wet Chemistry	1 - 250 ml	
				Filtered, HNO3, Metals	1 - 250 ml	
				H2SO4, N-NH3, NO3-NO2, Total P	1 - 250 ml	
GWS0242	33PA	7/7/2010	7/13/2010	Raw, Wet Chemistry	1 - 250, 2-125 ml	
				Filtered, Wet Chemistry	1 - 250 ml	
				Filtered, HNO3, Metals	1 - 250 ml	
				H2SO4, N-NH3, NO3-NO2, Total P	1 - 250 ml	
GWS0244	Blagg Spring Well	7/8/2010	7/13/2010	Raw, Wet Chemistry	2 - 250 ml	
				Filtered, Wet Chemistry	1 - 250 ml	
				Filtered, HNO3, Metals	1 - 250 ml	
				H2SO4, N-NH3, NO3-NO2, Total P	1 - 250 ml	

Lab Name:	ACZ	<p>Recipient: Please acknowledge receipt of this shipment and return completed within 10 working days to:</p> <p>Nye County Nuclear Waste Repository Project Office Quality Assurance Records Center (QARC) 2101 E. Calvada Blvd, Suite 100 Pahrump, NV 89048 775-727-7727</p> <p>Person Releasing Custody for Nye County : <i>Bill Howard</i></p> <p>Date/Time: 7-13-2010 11:09</p>
Recipient:	Tony Antalek	
Telephone	800-334-5493	
Address	2773 Downhill Drive Steamboat Springs, Co 80487	
Person Accepting Custody:	<i>APL 7-14-10 9:50</i>	
Date/Time:		
Checked By	<i>[Signature]</i>	Date: 7/14/10



Nye County

Nuclear Waste Repository Project Office

2101 E. Calvada Blvd. Ste. #100 • Pahrump, Nevada 89060
(775) 727-7727 • Fax (775) 727-7919

10-098-LK-(L)

July 13, 2010

ACZ Laboratories
Tony Antalek
2773 Downhill Drive
Steamboat Springs, CO 80487

Analyses for the Groundwater Evaluation Program

Dear Mr. Antalek:

Enclosed are the ground water samples for analyses for Nye County GWE wells NC-GWE-PV4, -PV5, -33PA and Blagg Spring Well. These samples are to be analyzed as specified in quotation number NC-GWE-WELLS-2010. There will be two shipments under this letter

Please sign and date the attached Transfer of Custody forms and return a copy to my attention at the address listed above.

If you have any questions or comments regarding the testing, please contact me by phone at (775) 727-7727, fax at (775) 727-7919, or email at lkryder@co.nye.nv.us.

Respectfully,
NYE COUNTY, NEVADA

A handwritten signature in black ink, appearing to read "Levi Kryder", is written over a horizontal line.

Levi Kryder
Geoscience Manager

Enclosures: as stated

LK/cs