

June 08, 2005

Report to:

Lynn Van Every
Idaho Dept of Environmental Quality
444 Hospital Way #300
Pocatello, ID 83201

Bill to:

Lynn Van Every
Idaho Dept of Environmental Quality
444 Hospital Way #300
Pocatello, ID 83201

Project ID:

ACZ Project ID: L51170

Lynn Van Every:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 19, 2005. This project has been assigned to ACZ's project number, L51170. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 11.0. The enclosed results relate only to the samples received under L51170. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

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

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

All samples and sub-samples associated with this project will be disposed of after July 08, 2005. 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.



Idaho Dept of Environmental Quality

Project ID:

Sample ID: MONTPELIER @ KOA

ACZ Sample ID: **L51170-01**

Date Sampled: 05/09/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 3:11	jjr
Calcium, dissolved	M200.7 ICP	65.0			mg/L	0.2	1	05/27/05 14:16	mea
Chromium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	05/25/05 3:11	jjr
Copper, dissolved	M200.8 ICP-MS	0.0006	B		mg/L	0.0005	0.003	05/25/05 3:11	jjr
Lead, dissolved	M200.8 ICP-MS	0.0004	B		mg/L	0.0001	0.0005	05/25/05 3:11	jjr
Magnesium, dissolved	M200.7 ICP	15.9			mg/L	0.2	1	05/27/05 14:16	mea
Nickel, dissolved	M200.8 ICP-MS		U		mg/L	0.0006	0.003	05/25/05 3:11	jjr
Selenium, total	SM 3114 B, AA-Hydride		U		mg/L	0.001	0.005	05/24/05 14:22	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 3:11	jjr
Vanadium, dissolved	M200.8 ICP-MS		U		mg/L	0.0002	0.001	05/25/05 3:11	jjr
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	05/27/05 14:16	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		171			mg/L	2	10	05/23/05 0:00	ct
Carbonate as CaCO3		3	B		mg/L	2	10	05/23/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Total Alkalinity		173			mg/L	2	10	05/23/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	3	B		mg/L	1	5	05/25/05 16:11	ccp
Hardness as CaCO3	SM2340B - Calculation	228			mg/L	1	7	06/08/05 10:55	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.17	H	*	mg/L	0.02	0.1	05/19/05 20:50	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.16			mg/L	0.01	0.05	06/04/05 22:17	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	38	H	*	mg/L	5	20	05/19/05 15:50	tam
Sulfate	M375.3 - Gravimetric	50			mg/L	10	50	06/01/05 14:22	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: GEORGETOWN CR BLW

ACZ Sample ID: **L51170-02**

Date Sampled: 05/09/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 3:18	jjr
Calcium, dissolved	M200.7 ICP	61.2			mg/L	0.2	1	05/27/05 14:25	mea
Chromium, dissolved	M200.8 ICP-MS	0.0004	B		mg/L	0.0001	0.0005	05/25/05 3:18	jjr
Copper, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.003	05/25/05 3:18	jjr
Lead, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	05/25/05 3:18	jjr
Magnesium, dissolved	M200.7 ICP	12.5			mg/L	0.2	1	05/27/05 14:25	mea
Nickel, dissolved	M200.8 ICP-MS		U		mg/L	0.0006	0.003	05/25/05 3:18	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.011			mg/L	0.001	0.005	05/24/05 14:23	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 3:18	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0012			mg/L	0.0002	0.001	05/25/05 3:18	jjr
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	05/27/05 14:25	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		182			mg/L	2	10	05/23/05 0:00	ct
Carbonate as CaCO3		8	B		mg/L	2	10	05/23/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Total Alkalinity		190			mg/L	2	10	05/23/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	2	B		mg/L	1	5	05/25/05 16:21	ccp
Hardness as CaCO3	SM2340B - Calculation	204			mg/L	1	7	06/08/05 10:55	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.04	BH	*	mg/L	0.02	0.1	05/19/05 20:53	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.36			mg/L	0.01	0.05	06/04/05 19:53	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	10	BH	*	mg/L	5	20	05/19/05 15:53	tam
Sulfate	M375.3 - Gravimetric	20	B		mg/L	10	50	06/01/05 14:25	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: GEORGETOWN CR ABV R

ACZ Sample ID: **L51170-03**

Date Sampled: 05/09/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 3:39	jjr
Calcium, dissolved	M200.7 ICP	62.7			mg/L	0.2	1	05/27/05 14:29	mea
Chromium, dissolved	M200.8 ICP-MS	0.0006			mg/L	0.0001	0.0005	05/25/05 3:39	jjr
Copper, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.003	05/25/05 3:39	jjr
Lead, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	05/25/05 3:39	jjr
Magnesium, dissolved	M200.7 ICP	17.1			mg/L	0.2	1	05/27/05 14:29	mea
Nickel, dissolved	M200.8 ICP-MS		U		mg/L	0.0006	0.003	05/25/05 3:39	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.003	B		mg/L	0.001	0.005	05/24/05 14:25	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 3:39	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0008	B		mg/L	0.0002	0.001	05/25/05 3:39	jjr
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	05/27/05 14:29	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		180			mg/L	2	10	05/23/05 0:00	ct
Carbonate as CaCO3		10			mg/L	2	10	05/23/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Total Alkalinity		190			mg/L	2	10	05/23/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	2	B		mg/L	1	5	05/25/05 16:51	ccp
Hardness as CaCO3	SM2340B - Calculation	227			mg/L	1	7	06/08/05 10:55	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.23	H	*	mg/L	0.02	0.1	05/19/05 20:55	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.09			mg/L	0.01	0.05	06/04/05 20:51	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	8	BH	*	mg/L	5	20	05/19/05 15:55	tam
Sulfate	M375.3 - Gravimetric	40	B		mg/L	10	50	06/01/05 14:28	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: ANGUS CR

ACZ Sample ID: **L51170-04**

Date Sampled: 05/09/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 3:46	jjr
Calcium, dissolved	M200.7 ICP	107			mg/L	0.2	1	05/27/05 14:32	mea
Chromium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	05/25/05 3:46	jjr
Copper, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.003	05/25/05 3:46	jjr
Lead, dissolved	M200.8 ICP-MS	0.0001	B		mg/L	0.0001	0.0005	05/25/05 3:46	jjr
Magnesium, dissolved	M200.7 ICP	25.5			mg/L	0.2	1	05/27/05 14:32	mea
Nickel, dissolved	M200.8 ICP-MS	0.0018	B		mg/L	0.0006	0.003	05/25/05 3:46	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.039			mg/L	0.001	0.005	05/24/05 14:26	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 3:46	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0004	B		mg/L	0.0002	0.001	05/25/05 3:46	jjr
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	05/27/05 14:32	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		207			mg/L	2	10	05/23/05 0:00	ct
Carbonate as CaCO3		5	B		mg/L	2	10	05/23/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Total Alkalinity		212			mg/L	2	10	05/23/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	4	B		mg/L	1	5	05/25/05 17:01	ccp
Hardness as CaCO3	SM2340B - Calculation	372			mg/L	1	7	06/08/05 10:55	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.11	H	*	mg/L	0.02	0.1	05/19/05 20:57	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.11			mg/L	0.01	0.05	06/04/05 20:52	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	14	BH	*	mg/L	5	20	05/19/05 15:58	tam
Sulfate	M375.3 - Gravimetric	170			mg/L	10	50	06/01/05 14:30	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: ANGUS CR-2

ACZ Sample ID: **L51170-05**

Date Sampled: 05/09/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 3:53	jjr
Calcium, dissolved	M200.7 ICP	107			mg/L	0.2	1	05/27/05 14:41	mea
Chromium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	05/25/05 3:53	jjr
Copper, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.003	05/25/05 3:53	jjr
Lead, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 3:53	jjr
Magnesium, dissolved	M200.7 ICP	25.5			mg/L	0.2	1	05/27/05 14:41	mea
Nickel, dissolved	M200.8 ICP-MS	0.0018	B		mg/L	0.0006	0.003	05/25/05 3:53	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.039			mg/L	0.001	0.005	05/24/05 14:27	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 3:53	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0004	B		mg/L	0.0002	0.001	05/25/05 3:53	jjr
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	05/27/05 14:41	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		208			mg/L	2	10	05/23/05 0:00	ct
Carbonate as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Total Alkalinity		208			mg/L	2	10	05/23/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	4	B		mg/L	1	5	05/25/05 17:11	ccp
Hardness as CaCO3	SM2340B - Calculation	372			mg/L	1	7	06/08/05 10:55	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.08	BH	*	mg/L	0.02	0.1	05/19/05 20:58	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.13			mg/L	0.01	0.05	06/04/05 20:53	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	6	BH	*	mg/L	5	20	05/19/05 16:00	tam
Sulfate	M375.3 - Gravimetric	170			mg/L	10	50	06/01/05 14:33	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: BLACKFOOT@CHINAHAT

ACZ Sample ID: **L51170-06**

Date Sampled: 05/09/05 11:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 4:14	jjr
Calcium, dissolved	M200.7 ICP	53.2			mg/L	0.2	1	05/27/05 14:45	mea
Chromium, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0001	0.0005	05/25/05 4:14	jjr
Copper, dissolved	M200.8 ICP-MS	0.0008	B		mg/L	0.0005	0.003	05/25/05 4:14	jjr
Lead, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	05/25/05 4:14	jjr
Magnesium, dissolved	M200.7 ICP	9.4			mg/L	0.2	1	05/27/05 14:45	mea
Nickel, dissolved	M200.8 ICP-MS	0.0015	B		mg/L	0.0006	0.003	05/25/05 4:14	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.005			mg/L	0.001	0.005	05/24/05 14:28	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 4:14	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0004	B		mg/L	0.0002	0.001	05/25/05 4:14	jjr
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	05/27/05 14:45	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		144			mg/L	2	10	05/23/05 0:00	ct
Carbonate as CaCO3		2	B		mg/L	2	10	05/23/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Total Alkalinity		147			mg/L	2	10	05/23/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	6			mg/L	1	5	05/25/05 17:21	ccp
Hardness as CaCO3	SM2340B - Calculation	172			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.06	BH	*	mg/L	0.02	0.1	05/19/05 21:02	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.17			mg/L	0.01	0.05	06/04/05 20:57	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	40	H	*	mg/L	5	20	05/19/05 16:03	tam
Sulfate	M375.3 - Gravimetric	10	B		mg/L	10	50	06/01/05 14:35	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: BLACKFOOT@CHINAHAT

ACZ Sample ID: **L51170-07**

Date Sampled: 05/11/05 10:45

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 4:21	jjr
Calcium, dissolved	M200.7 ICP	56.3			mg/L	0.2	1	05/27/05 14:48	mea
Chromium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	05/25/05 4:21	jjr
Copper, dissolved	M200.8 ICP-MS	0.0008	B		mg/L	0.0005	0.003	05/25/05 4:21	jjr
Lead, dissolved	M200.8 ICP-MS	0.0001	B		mg/L	0.0001	0.0005	05/25/05 4:21	jjr
Magnesium, dissolved	M200.7 ICP	10.6			mg/L	0.2	1	05/27/05 14:48	mea
Nickel, dissolved	M200.8 ICP-MS	0.0017	B		mg/L	0.0006	0.003	05/25/05 4:21	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.005			mg/L	0.001	0.005	05/24/05 14:30	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 4:21	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0002	0.001	05/25/05 4:21	jjr
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	05/27/05 14:48	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		161			mg/L	2	10	05/24/05 0:00	ct
Carbonate as CaCO3			U		mg/L	2	10	05/24/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/24/05 0:00	ct
Total Alkalinity		161			mg/L	2	10	05/24/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	7			mg/L	1	5	06/01/05 2:54	erf
Hardness as CaCO3	SM2340B - Calculation	184			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.09	BH	*	mg/L	0.02	0.1	05/19/05 21:04	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.11			mg/L	0.01	0.05	06/04/05 20:58	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	32	H	*	mg/L	5	20	05/19/05 16:06	tam
Sulfate	M375.3 - Gravimetric	10	B		mg/L	10	50	06/01/05 14:38	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: BLACKFOOT@CHINAHAT

ACZ Sample ID: **L51170-08**

Date Sampled: 05/12/05 10:25

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	05/25/05 4:28	jjr
Calcium, dissolved	M200.7 ICP	55.4			mg/L	0.2	1	05/27/05 14:51	mea
Chromium, dissolved	M200.8 ICP-MS	0.0004	B		mg/L	0.0001	0.0005	05/25/05 4:28	jjr
Copper, dissolved	M200.8 ICP-MS	0.0018	B		mg/L	0.0005	0.003	05/25/05 4:28	jjr
Lead, dissolved	M200.8 ICP-MS	0.0005			mg/L	0.0001	0.0005	05/25/05 4:28	jjr
Magnesium, dissolved	M200.7 ICP	9.7			mg/L	0.2	1	05/27/05 14:51	mea
Nickel, dissolved	M200.8 ICP-MS	0.0020	B		mg/L	0.0006	0.003	05/25/05 4:28	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.004	B		mg/L	0.001	0.005	05/25/05 9:58	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 4:28	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0005	B		mg/L	0.0002	0.001	05/25/05 4:28	jjr
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	05/27/05 14:51	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		158			mg/L	2	10	05/24/05 0:00	ct
Carbonate as CaCO3			U		mg/L	2	10	05/24/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/24/05 0:00	ct
Total Alkalinity		158			mg/L	2	10	05/24/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	7			mg/L	1	5	06/01/05 3:14	erf
Hardness as CaCO3	SM2340B - Calculation	178			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.36	H	*	mg/L	0.02	0.1	05/19/05 21:05	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.12			mg/L	0.01	0.05	06/04/05 20:59	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	28			mg/L	5	20	05/19/05 16:08	tam
Sulfate	M375.3 - Gravimetric	20	B		mg/L	10	50	06/01/05 14:41	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: BLACKFOOT@MONSANT

ACZ Sample ID: **L51170-09**

Date Sampled: 05/09/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 4:35	jjr
Calcium, dissolved	M200.7 ICP	52.7			mg/L	0.2	1	05/27/05 14:54	mea
Chromium, dissolved	M200.8 ICP-MS	0.0004	B		mg/L	0.0001	0.0005	05/25/05 4:35	jjr
Copper, dissolved	M200.8 ICP-MS	0.0006	B		mg/L	0.0005	0.003	05/25/05 4:35	jjr
Lead, dissolved	M200.8 ICP-MS	0.0001	B		mg/L	0.0001	0.0005	05/25/05 4:35	jjr
Magnesium, dissolved	M200.7 ICP	9.0			mg/L	0.2	1	05/27/05 14:54	mea
Nickel, dissolved	M200.8 ICP-MS	0.0016	B		mg/L	0.0006	0.003	05/25/05 4:35	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.005			mg/L	0.001	0.005	05/25/05 9:59	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 4:35	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0004	B		mg/L	0.0002	0.001	05/25/05 4:35	jjr
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	05/27/05 14:54	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		151			mg/L	2	10	05/23/05 0:00	ct
Carbonate as CaCO3		3	B		mg/L	2	10	05/23/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Total Alkalinity		153			mg/L	2	10	05/23/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	7			mg/L	1	5	06/01/05 3:34	erf
Hardness as CaCO3	SM2340B - Calculation	169			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.05	BH	*	mg/L	0.02	0.1	05/19/05 21:06	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.11			mg/L	0.01	0.05	06/04/05 21:00	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	28	H	*	mg/L	5	20	05/19/05 16:11	tam
Sulfate	M375.3 - Gravimetric	20	B		mg/L	10	50	06/01/05 14:43	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: BRACLFOOT@TRAIL CRR

ACZ Sample ID: **L51170-10**

Date Sampled: 05/09/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 4:42	jjr
Calcium, dissolved	M200.7 ICP	52.3			mg/L	0.2	1	05/27/05 14:57	mea
Chromium, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0001	0.0005	05/25/05 4:42	jjr
Copper, dissolved	M200.8 ICP-MS	0.0007	B		mg/L	0.0005	0.003	05/25/05 4:42	jjr
Lead, dissolved	M200.8 ICP-MS	0.0001	B		mg/L	0.0001	0.0005	05/25/05 4:42	jjr
Magnesium, dissolved	M200.7 ICP	9.1			mg/L	0.2	1	05/27/05 14:57	mea
Nickel, dissolved	M200.8 ICP-MS	0.0020	B		mg/L	0.0006	0.003	05/25/05 4:42	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.006			mg/L	0.001	0.005	05/25/05 10:03	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 4:42	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0004	B		mg/L	0.0002	0.001	05/25/05 4:42	jjr
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	05/27/05 14:57	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		146			mg/L	2	10	05/23/05 0:00	ct
Carbonate as CaCO3		3	B		mg/L	2	10	05/23/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Total Alkalinity		149			mg/L	2	10	05/23/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	7			mg/L	1	5	06/01/05 3:44	erf
Hardness as CaCO3	SM2340B - Calculation	168			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.04	BH	*	mg/L	0.02	0.1	05/19/05 21:07	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.12			mg/L	0.01	0.05	06/04/05 21:01	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	46	H	*	mg/L	5	20	05/19/05 16:14	tam
Sulfate	M375.3 - Gravimetric	20	B		mg/L	10	50	06/01/05 14:49	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: BLACKFOOT@SLUG CR R

ACZ Sample ID: **L51170-11**

Date Sampled: 05/09/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 5:03	jjr
Calcium, dissolved	M200.7 ICP	52.0			mg/L	0.2	1	05/27/05 15:01	mea
Chromium, dissolved	M200.8 ICP-MS	0.0004	B		mg/L	0.0001	0.0005	05/25/05 5:03	jjr
Copper, dissolved	M200.8 ICP-MS	0.0009	B		mg/L	0.0005	0.003	05/25/05 5:03	jjr
Lead, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	05/25/05 5:03	jjr
Magnesium, dissolved	M200.7 ICP	8.9			mg/L	0.2	1	05/27/05 15:01	mea
Nickel, dissolved	M200.8 ICP-MS	0.0021	B		mg/L	0.0006	0.003	05/25/05 5:03	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.006			mg/L	0.001	0.005	05/25/05 10:04	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 5:03	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0004	B		mg/L	0.0002	0.001	05/25/05 5:03	jjr
Zinc, dissolved	M200.7 ICP		U	*	mg/L	0.01	0.05	05/27/05 15:01	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		145			mg/L	2	10	05/23/05 0:00	ct
Carbonate as CaCO3		3	B		mg/L	2	10	05/23/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Total Alkalinity		149			mg/L	2	10	05/23/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	7			mg/L	1	5	06/01/05 3:55	erf
Hardness as CaCO3	SM2340B - Calculation	167			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.05	BH	*	mg/L	0.02	0.1	05/19/05 21:09	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.14			mg/L	0.01	0.05	06/04/05 21:03	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	46	H	*	mg/L	5	20	05/19/05 16:16	tam
Sulfate	M375.3 - Gravimetric	20	B		mg/L	10	50	06/01/05 14:51	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: BLACKFOOT ABV NARRO

ACZ Sample ID: **L51170-12**

Date Sampled: 05/09/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 5:10	jjr
Calcium, dissolved	M200.7 ICP	51.0			mg/L	0.2	1	05/27/05 15:10	mea
Chromium, dissolved	M200.8 ICP-MS	0.0004	B		mg/L	0.0001	0.0005	05/25/05 5:10	jjr
Copper, dissolved	M200.8 ICP-MS	0.0006	B		mg/L	0.0005	0.003	05/25/05 5:10	jjr
Lead, dissolved	M200.8 ICP-MS	0.0001	B		mg/L	0.0001	0.0005	05/25/05 5:10	jjr
Magnesium, dissolved	M200.7 ICP	8.8			mg/L	0.2	1	05/27/05 15:10	mea
Nickel, dissolved	M200.8 ICP-MS	0.0011	B		mg/L	0.0006	0.003	05/25/05 5:10	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.006			mg/L	0.001	0.005	05/25/05 10:05	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 5:10	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0002	0.001	05/25/05 5:10	jjr
Zinc, dissolved	M200.7 ICP		U	*	mg/L	0.01	0.05	05/27/05 15:10	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		142			mg/L	2	10	05/23/05 0:00	ct
Carbonate as CaCO3		4	B		mg/L	2	10	05/23/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Total Alkalinity		145			mg/L	2	10	05/23/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	7			mg/L	1	5	06/01/05 4:05	erf
Hardness as CaCO3	SM2340B - Calculation	164			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.05	BH	*	mg/L	0.02	0.1	05/19/05 21:11	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.10			mg/L	0.01	0.05	06/04/05 21:06	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	36	H	*	mg/L	5	20	05/19/05 16:19	tam
Sulfate	M375.3 - Gravimetric	10	B		mg/L	10	50	06/01/05 14:54	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: BLACKFOOT@UPPER BRI

ACZ Sample ID: **L51170-13**

Date Sampled: 05/09/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 5:17	jjr
Calcium, dissolved	M200.7 ICP	53.4			mg/L	0.2	1	05/27/05 15:20	mea
Chromium, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0001	0.0005	05/25/05 5:17	jjr
Copper, dissolved	M200.8 ICP-MS	0.0009	B		mg/L	0.0005	0.003	05/25/05 5:17	jjr
Lead, dissolved	M200.8 ICP-MS	0.0001	B		mg/L	0.0001	0.0005	05/25/05 5:17	jjr
Magnesium, dissolved	M200.7 ICP	9.0			mg/L	0.2	1	05/27/05 15:20	mea
Nickel, dissolved	M200.8 ICP-MS	0.0012	B		mg/L	0.0006	0.003	05/25/05 5:17	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.006			mg/L	0.001	0.005	05/25/05 10:07	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 5:17	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0002	0.001	05/25/05 5:17	jjr
Zinc, dissolved	M200.7 ICP		U	*	mg/L	0.01	0.05	05/27/05 15:20	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		155			mg/L	2	10	05/23/05 0:00	ct
Carbonate as CaCO3		6	B		mg/L	2	10	05/23/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Total Alkalinity		161			mg/L	2	10	05/23/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	7			mg/L	1	5	06/01/05 4:35	erf
Hardness as CaCO3	SM2340B - Calculation	170			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.06	BH	*	mg/L	0.02	0.1	05/19/05 21:13	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.19			mg/L	0.01	0.05	06/04/05 21:07	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	50	H	*	mg/L	5	20	05/19/05 16:21	tam
Sulfate	M375.3 - Gravimetric	10	B		mg/L	10	50	06/01/05 14:56	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: SPRING CR@MOUTH

ACZ Sample ID: **L51170-14**

Date Sampled: 05/10/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 5:37	jjr
Calcium, dissolved	M200.7 ICP	61.3			mg/L	0.2	1	05/27/05 15:23	mea
Chromium, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0001	0.0005	05/25/05 5:37	jjr
Copper, dissolved	M200.8 ICP-MS	0.0005	B		mg/L	0.0005	0.003	05/25/05 5:37	jjr
Lead, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	05/25/05 5:37	jjr
Magnesium, dissolved	M200.7 ICP	11.8			mg/L	0.2	1	05/27/05 15:23	mea
Nickel, dissolved	M200.8 ICP-MS		U		mg/L	0.0006	0.003	05/25/05 5:37	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.038			mg/L	0.001	0.005	05/25/05 10:08	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 5:37	jjr
Vanadium, dissolved	M200.8 ICP-MS		U		mg/L	0.0002	0.001	05/25/05 5:37	jjr
Zinc, dissolved	M200.7 ICP		U	*	mg/L	0.01	0.05	05/27/05 15:23	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		176			mg/L	2	10	05/24/05 0:00	ct
Carbonate as CaCO3		7	B		mg/L	2	10	05/24/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/24/05 0:00	ct
Total Alkalinity		183			mg/L	2	10	05/24/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	5	B		mg/L	1	5	06/01/05 4:45	erf
Hardness as CaCO3	SM2340B - Calculation	202			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.03	BH	*	mg/L	0.02	0.1	05/19/05 21:18	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.08			mg/L	0.01	0.05	06/04/05 19:44	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	22	H	*	mg/L	5	20	05/19/05 16:24	tam
Sulfate	M375.3 - Gravimetric		U		mg/L	10	50	06/01/05 14:59	tam/jlf

Idaho Dept of Environmental Quality

Project ID:
Sample ID: SNOW CR

ACZ Sample ID: **L51170-15**
Date Sampled: 05/10/05 15:20
Date Received: 05/19/05
Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 5:44	jjr
Calcium, dissolved	M200.7 ICP		U		mg/L	0.2	1	05/27/05 15:26	mea
Chromium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	05/25/05 5:44	jjr
Copper, dissolved	M200.8 ICP-MS	0.0026	B		mg/L	0.0005	0.003	05/25/05 5:44	jjr
Lead, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	05/25/05 5:44	jjr
Magnesium, dissolved	M200.7 ICP		U		mg/L	0.2	1	05/27/05 15:26	mea
Nickel, dissolved	M200.8 ICP-MS		U		mg/L	0.0006	0.003	05/25/05 5:44	jjr
Selenium, total	SM 3114 B, AA-Hydride		U		mg/L	0.001	0.005	05/25/05 10:09	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 5:44	jjr
Vanadium, dissolved	M200.8 ICP-MS		U		mg/L	0.0002	0.001	05/25/05 5:44	jjr
Zinc, dissolved	M200.7 ICP		U	*	mg/L	0.01	0.05	05/27/05 15:26	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3			U		mg/L	2	10	05/24/05 0:00	ct
Carbonate as CaCO3			U		mg/L	2	10	05/24/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/24/05 0:00	ct
Total Alkalinity			U		mg/L	2	10	05/24/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR		U		mg/L	1	5	06/01/05 4:55	erf
Hardness as CaCO3	SM2340B - Calculation	n/a			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.02	BH	*	mg/L	0.02	0.1	05/19/05 21:19	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)		U		mg/L	0.01	0.05	06/04/05 19:45	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	6	BH	*	mg/L	5	20	05/19/05 16:27	tam
Sulfate	M375.3 - Gravimetric	10	B		mg/L	10	50	06/01/05 15:02	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: LANES CR

ACZ Sample ID: **L51170-16**

Date Sampled: 05/10/05 12:45

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 5:51	jjr
Calcium, dissolved	M200.7 ICP	52.0			mg/L	0.2	1	05/27/05 15:30	mea
Chromium, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0001	0.0005	05/25/05 5:51	jjr
Copper, dissolved	M200.8 ICP-MS	0.0006	B		mg/L	0.0005	0.003	05/25/05 5:51	jjr
Lead, dissolved	M200.8 ICP-MS	0.0001	B		mg/L	0.0001	0.0005	05/25/05 5:51	jjr
Magnesium, dissolved	M200.7 ICP	8.1			mg/L	0.2	1	05/27/05 15:30	mea
Nickel, dissolved	M200.8 ICP-MS	0.0010	B		mg/L	0.0006	0.003	05/25/05 5:51	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.001	B		mg/L	0.001	0.005	05/25/05 10:13	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 5:51	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0002	0.001	05/25/05 5:51	jjr
Zinc, dissolved	M200.7 ICP		U	*	mg/L	0.01	0.05	05/27/05 15:30	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		151			mg/L	2	10	05/24/05 0:00	ct
Carbonate as CaCO3		2	B		mg/L	2	10	05/24/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/24/05 0:00	ct
Total Alkalinity		153			mg/L	2	10	05/24/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	7			mg/L	1	5	06/01/05 5:05	erf
Hardness as CaCO3	SM2340B - Calculation	163			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.05	BH	*	mg/L	0.02	0.1	05/19/05 21:21	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.15			mg/L	0.01	0.05	06/04/05 19:46	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	40	H	*	mg/L	5	20	05/19/05 16:29	tam
Sulfate	M375.3 - Gravimetric		U		mg/L	10	50	06/01/05 15:04	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: E MILL CR

ACZ Sample ID: **L51170-17**

Date Sampled: 05/10/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 5:58	jjr
Calcium, dissolved	M200.7 ICP	75.9			mg/L	0.2	1	05/27/05 15:33	mea
Chromium, dissolved	M200.8 ICP-MS	0.0020			mg/L	0.0001	0.0005	05/25/05 5:58	jjr
Copper, dissolved	M200.8 ICP-MS	0.0017	B		mg/L	0.0005	0.003	05/25/05 5:58	jjr
Lead, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 5:58	jjr
Magnesium, dissolved	M200.7 ICP	16.3			mg/L	0.2	1	05/27/05 15:33	mea
Nickel, dissolved	M200.8 ICP-MS	0.0007	B		mg/L	0.0006	0.003	05/25/05 5:58	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.62			mg/L	0.02	0.1	05/25/05 12:48	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 5:58	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0019			mg/L	0.0002	0.001	05/25/05 5:58	jjr
Zinc, dissolved	M200.7 ICP		U	*	mg/L	0.01	0.05	05/27/05 15:33	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		177			mg/L	2	10	05/24/05 0:00	ct
Carbonate as CaCO3		6	B		mg/L	2	10	05/24/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/24/05 0:00	ct
Total Alkalinity		183			mg/L	2	10	05/24/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	3	B		mg/L	1	5	06/01/05 5:25	erf
Hardness as CaCO3	SM2340B - Calculation	257			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1.00	H	*	mg/L	0.02	0.1	05/19/05 21:22	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.64			mg/L	0.01	0.05	06/04/05 19:47	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	10	BH	*	mg/L	5	20	05/19/05 16:32	tam
Sulfate	M375.3 - Gravimetric	70			mg/L	10	50	06/01/05 15:07	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: RAIN CR

ACZ Sample ID: **L51170-18**

Date Sampled: 05/09/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 6:05	jjr
Calcium, dissolved	M200.7 ICP	51.5			mg/L	0.2	1	05/27/05 15:36	mea
Chromium, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0001	0.0005	05/25/05 6:05	jjr
Copper, dissolved	M200.8 ICP-MS		U		mg/L	0.0005	0.003	05/25/05 6:05	jjr
Lead, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 6:05	jjr
Magnesium, dissolved	M200.7 ICP	8.8			mg/L	0.2	1	05/27/05 15:36	mea
Nickel, dissolved	M200.8 ICP-MS	0.0010	B		mg/L	0.0006	0.003	05/25/05 6:05	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.011			mg/L	0.001	0.005	05/25/05 10:15	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 6:05	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0002	0.001	05/25/05 6:05	jjr
Zinc, dissolved	M200.7 ICP		U	*	mg/L	0.01	0.05	05/27/05 15:36	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		144			mg/L	2	10	05/23/05 0:00	ct
Carbonate as CaCO3		4	B		mg/L	2	10	05/23/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Total Alkalinity		148			mg/L	2	10	05/23/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	7			mg/L	1	5	06/01/05 5:45	erf
Hardness as CaCO3	SM2340B - Calculation	165			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.05	BH	*	mg/L	0.02	0.1	05/19/05 21:23	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.14			mg/L	0.01	0.05	06/04/05 19:48	pjb
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	44	H	*	mg/L	5	20	05/19/05 16:34	tam
Sulfate	M375.3 - Gravimetric	10	B		mg/L	10	50	06/01/05 15:09	tam/jlf

Idaho Dept of Environmental Quality

Project ID:

Sample ID: RASMUSSEN CR

ACZ Sample ID: **L51170-19**

Date Sampled: 05/09/05 00:00

Date Received: 05/19/05

Sample Matrix: Surface Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 6:12	jjr
Calcium, dissolved	M200.7 ICP	41.2			mg/L	0.2	1	05/27/05 15:39	mea
Chromium, dissolved	M200.8 ICP-MS	0.0005	B		mg/L	0.0001	0.0005	05/25/05 6:12	jjr
Copper, dissolved	M200.8 ICP-MS	0.0009	B		mg/L	0.0005	0.003	05/25/05 6:12	jjr
Lead, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	05/25/05 6:12	jjr
Magnesium, dissolved	M200.7 ICP	7.6			mg/L	0.2	1	05/27/05 15:39	mea
Nickel, dissolved	M200.8 ICP-MS	0.0021	B		mg/L	0.0006	0.003	05/25/05 6:12	jjr
Selenium, total	SM 3114 B, AA-Hydride	0.005			mg/L	0.001	0.005	05/25/05 10:17	jjc
Silver, dissolved	M200.8 ICP-MS		U		mg/L	5E-05	0.0003	05/25/05 6:12	jjr
Vanadium, dissolved	M200.8 ICP-MS	0.0007	B		mg/L	0.0002	0.001	05/25/05 6:12	jjr
Zinc, dissolved	M200.7 ICP		U	*	mg/L	0.01	0.05	05/27/05 15:39	mea

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		72			mg/L	2	10	05/23/05 0:00	ct
Carbonate as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Hydroxide as CaCO3			U		mg/L	2	10	05/23/05 0:00	ct
Total Alkalinity		73			mg/L	2	10	05/23/05 0:00	ct
Carbon, total organic (TOC)	M415.1 Combustion/IR	7			mg/L	1	5	06/01/05 5:55	erf
Hardness as CaCO3	SM2340B - Calculation	134			mg/L	1	7	06/08/05 10:56	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	0.03	BH	*	mg/L	0.02	0.1	05/19/05 21:24	pjb
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	0.09		*	mg/L	0.01	0.05	06/03/05 13:25	erf
Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	12	BH	*	mg/L	5	20	05/19/05 16:37	tam
Sulfate	M375.3 - Gravimetric	40	B		mg/L	10	50	06/01/05 15:12	tam/jlf

Report Header Explanations

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

QC Sample Types

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

QC Sample Type Explanations

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

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Relative Percent Difference (RPD) accepted because sample concentrations are less than 10x the MDL.
U	Analyte was analyzed for but not detected at the indicated MDL
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
W	Poor recovery for Silver quality control is accepted because Silver often precipitates with Chloride.
X	Quality control sample is out of control.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

Method References

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

Comments

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

Idaho Dept of Environmental Quality
 Project ID:

ACZ Project ID: **L51170**

Alkalinity as CaCO3 2320B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG190305													
WG190305LCSW1	LCSW	05/23/05 18:16	WC050425-3	82		82.9	mg/L	101.1	80	120			
L51170-05DUP	DUP	05/23/05 18:39			208	211	mg/L				1.4	20	
L51170-19DUP	DUP	05/23/05 18:58			73	75.5	mg/L				3.4	20	
WG190305LCSW2	LCSW	05/23/05 19:00	WC050425-3	82		83.9	mg/L	102.3	80	120			
WG189811													
WG189811LCSW1	LCSW	05/24/05 13:08	WC050524-3	82		81.7	mg/L	99.6	80	120			
WG189811LCSW4	LCSW	05/24/05 15:37	WC050524-3	82		82.1	mg/L	100.1	80	120			
L51170-17DUP	DUP	05/24/05 16:55			183	183.2	mg/L				0.1	20	
WG189811LCSW7	LCSW	05/24/05 17:02	WC050524-3	82		82.9	mg/L	101.1	80	120			

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189772													
WG189772ICV	ICV	05/25/05 2:43	MS050510-2	.05		.04996	mg/L	99.9	90	110			
WG189772ICB	ICB	05/25/05 2:50				U	mg/L		-0.00022	0.00022			
WG189772LFB	LFB	05/25/05 2:57	MS050311-3	.05		.05307	mg/L	106.1	85	115			
L51170-02AS	AS	05/25/05 3:25	MS050311-3	.05	U	.05638	mg/L	112.8	70	130			
L51170-02ASD	ASD	05/25/05 3:32	MS050311-3	.05	U	.05582	mg/L	111.6	70	130	1	20	
WG189772CCV1	CCV	05/25/05 4:00	MS050516-4	.1		.09909	mg/L	99.1	90	110			
WG189772CCB1	CCB	05/25/05 4:07				U	mg/L		-0.00022	0.00022			
L51170-10AS	AS	05/25/05 4:49	MS050311-3	.05	U	.05603	mg/L	112.1	70	130			
L51170-10ASD	ASD	05/25/05 4:56	MS050311-3	.05	U	.05623	mg/L	112.5	70	130	0.36	20	
WG189772CCV2	CCV	05/25/05 5:24	MS050516-4	.1		.09893	mg/L	98.9	90	110			
WG189772CCB2	CCB	05/25/05 5:30				U	mg/L		-0.00022	0.00022			
WG189772CCV3	CCV	05/25/05 6:19	MS050516-4	.1		.09966	mg/L	99.7	90	110			
WG189772CCB3	CCB	05/25/05 6:26				U	mg/L		-0.00022	0.00022			

Idaho Dept of Environmental Quality
 Project ID:

ACZ Project ID: **L51170**

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189947													
WG189947ICV2	ICV	05/27/05 12:11	II050513-2	100		99.06	mg/L	99.1	95	105			
WG189947ICB	ICB	05/27/05 12:15				U	mg/L		-0.2	0.2			
WG190037													
WG190037CCV1	CCV	05/27/05 13:56	II050518-3	50		54	mg/L	108	90	110			
WG190037CCB1	CCB	05/27/05 14:00				U	mg/L		-0.2	0.2			
WG190037PQV	PQV	05/27/05 14:03	II050503-2	1		1.06	mg/L	106	70	130			
WG190037SIC	SIC	05/27/05 14:06	II050520-1	201		198.97	mg/L	99	1	200			
WG190037LFB	LFB	05/27/05 14:12	II050521-2	68.12165		73.15	mg/L	107.4	85	115			
L51170-01AS	AS	05/27/05 14:19	II050521-2	68.12165	65	137.94	mg/L	107.1	85	115			
L51170-01ASD	ASD	05/27/05 14:22	II050521-2	68.12165	65	137.24	mg/L	106	85	115	0.51	20	
WG190037CCV2	CCV	05/27/05 14:35	II050518-3	50		51.85	mg/L	103.7	90	110			
WG190037CCB2	CCB	05/27/05 14:38				U	mg/L		-0.2	0.2			
L51170-11AS	AS	05/27/05 15:04	II050521-2	68.12165	52	126.54	mg/L	109.4	85	115			
L51170-11ASD	ASD	05/27/05 15:07	II050521-2	68.12165	52	125.03	mg/L	107.2	85	115	1.2	20	
WG190037CCV3	CCV	05/27/05 15:13	II050518-3	50		51.69	mg/L	103.4	90	110			
WG190037CCB3	CCB	05/27/05 15:17				U	mg/L		-0.2	0.2			
WG190037CCV4	CCV	05/27/05 15:46	II050518-3	50		51.08	mg/L	102.2	90	110			
WG190037CCB4	CCB	05/27/05 15:49				U	mg/L		-0.2	0.2			

Carbon, total organic (TOC) M415.1 Combustion/IR

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189712													
WG189712ICV	ICV	05/25/05 12:31	WI050517-5	75		75.9	mg/L	101.2	90	110			
WG189712ICB	ICB	05/25/05 12:41				U	mg/L		-1	1			
WG189712LFB	LFB	05/25/05 12:51	WI050517-3	50		46.8	mg/L	93.6	85	115			
WG189712CCV1	CCV	05/25/05 14:31	WI050517-2	100		99.7	mg/L	99.7	90	110			
WG189712CCB1	CCB	05/25/05 14:41				U	mg/L		-1	1			
L51152-02DUP	DUP	05/25/05 15:31			10	U	mg/L				0	20	
L51156-01AS	AS	05/25/05 15:51	WI050517-3	50	7	54	mg/L	94	75	125			
WG189712CCV2	CCV	05/25/05 16:31	WI050517-2	100		99.2	mg/L	99.2	90	110			
WG189712CCB2	CCB	05/25/05 16:41				U	mg/L		-1	1			
WG189712CCV3	CCV	05/25/05 17:41	WI050517-2	100		98.1	mg/L	98.1	90	110			
WG189712CCB3	CCB	05/25/05 17:51				U	mg/L		-1	1			
WG190206													
WG190206ICV	ICV	06/01/05 2:14	WI050517-5	75		81.3	mg/L	108.4	90	110			
WG190206ICB	ICB	06/01/05 2:24				U	mg/L		-1	1			
WG190206LFB	LFB	06/01/05 2:34	WI050517-3	50		54.2	mg/L	108.4	85	115			
L51170-07DUP	DUP	06/01/05 3:04			7	6.2	mg/L				12.1	20	
L51170-08AS	AS	06/01/05 3:24	WI050517-3	50	7	57.7	mg/L	101.4	75	125			
WG190206CCV1	CCV	06/01/05 4:15	WI050517-2	100		110.4	mg/L	110.4	90	110			
WG190206CCB1	CCB	06/01/05 4:25				U	mg/L		-1	1			
L51170-16DUP	DUP	06/01/05 5:15			7	7.4	mg/L				5.6	20	
L51170-17AS	AS	06/01/05 5:35	WI050517-3	50	3	56.2	mg/L	106.4	75	125			
WG190206CCV2	CCV	06/01/05 6:15	WI050517-2	100		110.1	mg/L	110.1	90	110			
WG190206CCB2	CCB	06/01/05 6:25				U	mg/L		-1	1			

Idaho Dept of Environmental Quality
 Project ID:

ACZ Project ID: **L51170**

Chromium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189772													
WG189772ICV	ICV	05/25/05 2:43	MS050510-2	.05		.052	mg/L	104	90	110			
WG189772ICB	ICB	05/25/05 2:50				U	mg/L		-0.00022	0.00022			
WG189772LFB	LFB	05/25/05 2:57	MS050311-3	.05		.05436	mg/L	108.7	85	115			
L51170-02AS	AS	05/25/05 3:25	MS050311-3	.05	.0004	.05536	mg/L	109.9	70	130			
L51170-02ASD	ASD	05/25/05 3:32	MS050311-3	.05	.0004	.05486	mg/L	108.9	70	130	0.91	20	
WG189772CCV1	CCV	05/25/05 4:00	MS050516-4	.1		.1024	mg/L	102.4	90	110			
WG189772CCB1	CCB	05/25/05 4:07				U	mg/L		-0.00022	0.00022			
L51170-10AS	AS	05/25/05 4:49	MS050311-3	.05	.0003	.05388	mg/L	107.2	70	130			
L51170-10ASD	ASD	05/25/05 4:56	MS050311-3	.05	.0003	.05443	mg/L	108.3	70	130	1.02	20	
WG189772CCV2	CCV	05/25/05 5:24	MS050516-4	.1		.1011	mg/L	101.1	90	110			
WG189772CCB2	CCB	05/25/05 5:30				U	mg/L		-0.00022	0.00022			
WG189772CCV3	CCV	05/25/05 6:19	MS050516-4	.1		.1013	mg/L	101.3	90	110			
WG189772CCB3	CCB	05/25/05 6:26				U	mg/L		-0.00022	0.00022			

Copper, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189772													
WG189772ICV	ICV	05/25/05 2:43	MS050510-2	.05		.05386	mg/L	107.7	90	110			
WG189772ICB	ICB	05/25/05 2:50				U	mg/L		-0.0011	0.0011			
WG189772LFB	LFB	05/25/05 2:57	MS050311-3	.05		.05433	mg/L	108.7	85	115			
L51170-02AS	AS	05/25/05 3:25	MS050311-3	.05	U	.05318	mg/L	106.4	70	130			
L51170-02ASD	ASD	05/25/05 3:32	MS050311-3	.05	U	.05261	mg/L	105.2	70	130	1.08	20	
WG189772CCV1	CCV	05/25/05 4:00	MS050516-4	.25		.2559	mg/L	102.4	90	110			
WG189772CCB1	CCB	05/25/05 4:07				U	mg/L		-0.0011	0.0011			
L51170-10AS	AS	05/25/05 4:49	MS050311-3	.05	.0007	.05294	mg/L	104.5	70	130			
L51170-10ASD	ASD	05/25/05 4:56	MS050311-3	.05	.0007	.05319	mg/L	105	70	130	0.47	20	
WG189772CCV2	CCV	05/25/05 5:24	MS050516-4	.25		.252	mg/L	100.8	90	110			
WG189772CCB2	CCB	05/25/05 5:30				U	mg/L		-0.0011	0.0011			
WG189772CCV3	CCV	05/25/05 6:19	MS050516-4	.25		.2505	mg/L	100.2	90	110			
WG189772CCB3	CCB	05/25/05 6:26				U	mg/L		-0.0011	0.0011			

Lead, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189772													
WG189772ICV	ICV	05/25/05 2:43	MS050510-2	.05		.05319	mg/L	106.4	90	110			
WG189772ICB	ICB	05/25/05 2:50				U	mg/L		-0.00022	0.00022			
WG189772LFB	LFB	05/25/05 2:57	MS050311-3	.05		.05446	mg/L	108.9	85	115			
L51170-02AS	AS	05/25/05 3:25	MS050311-3	.05	.0002	.05532	mg/L	110.2	70	130			
L51170-02ASD	ASD	05/25/05 3:32	MS050311-3	.05	.0002	.05476	mg/L	109.1	70	130	1.02	20	
WG189772CCV1	CCV	05/25/05 4:00	MS050516-4	.25		.2532	mg/L	101.3	90	110			
WG189772CCB1	CCB	05/25/05 4:07				U	mg/L		-0.00022	0.00022			
L51170-10AS	AS	05/25/05 4:49	MS050311-3	.05	.0001	.05517	mg/L	110.1	70	130			
L51170-10ASD	ASD	05/25/05 4:56	MS050311-3	.05	.0001	.05499	mg/L	109.8	70	130	0.33	20	
WG189772CCV2	CCV	05/25/05 5:24	MS050516-4	.25		.2523	mg/L	100.9	90	110			
WG189772CCB2	CCB	05/25/05 5:30				U	mg/L		-0.00022	0.00022			
WG189772CCV3	CCV	05/25/05 6:19	MS050516-4	.25		.2546	mg/L	101.8	90	110			
WG189772CCB3	CCB	05/25/05 6:26				U	mg/L		-0.00022	0.00022			

Idaho Dept of Environmental Quality
 Project ID:

ACZ Project ID: **L51170**

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189947													
WG189947ICV2	ICV	05/27/05 12:11	II050513-2	100		98.79	mg/L	98.8	95	105			
WG189947ICB	ICB	05/27/05 12:15				U	mg/L		-0.2	0.2			
WG190037													
WG190037CCV1	CCV	05/27/05 13:56	II050518-3	50		53.31	mg/L	106.6	90	110			
WG190037CCB1	CCB	05/27/05 14:00				U	mg/L		-0.2	0.2			
WG190037PQV	PQV	05/27/05 14:03	II050503-2	1.0049		1.05	mg/L	104.5	70	130			
WG190037SIC	SIC	05/27/05 14:06	II050520-1	201.0049		206.52	mg/L	102.7	1	200			
WG190037LFB	LFB	05/27/05 14:12	II050521-2	49.46455		52.44	mg/L	106	85	115			
L51170-01AS	AS	05/27/05 14:19	II050521-2	49.46455	15.9	70.51	mg/L	110.4	85	115			
L51170-01ASD	ASD	05/27/05 14:22	II050521-2	49.46455	15.9	70.44	mg/L	110.3	85	115	0.1	20	
WG190037CCV2	CCV	05/27/05 14:35	II050518-3	50		51.09	mg/L	102.2	90	110			
WG190037CCB2	CCB	05/27/05 14:38				U	mg/L		-0.2	0.2			
L51170-11AS	AS	05/27/05 15:04	II050521-2	49.46455	8.9	64.61	mg/L	112.6	85	115			
L51170-11ASD	ASD	05/27/05 15:07	II050521-2	49.46455	8.9	63.62	mg/L	110.6	85	115	1.54	20	
WG190037CCV3	CCV	05/27/05 15:13	II050518-3	50		51.15	mg/L	102.3	90	110			
WG190037CCB3	CCB	05/27/05 15:17				U	mg/L		-0.2	0.2			
WG190037CCV4	CCV	05/27/05 15:46	II050518-3	50		50.32	mg/L	100.6	90	110			
WG190037CCB4	CCB	05/27/05 15:49				U	mg/L		-0.2	0.2			

Nickel, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189772													
WG189772ICV	ICV	05/25/05 2:43	MS050510-2	.05		.05138	mg/L	102.8	90	110			
WG189772ICB	ICB	05/25/05 2:50				U	mg/L		-0.00132	0.00132			
WG189772LFB	LFB	05/25/05 2:57	MS050311-3	.05		.05305	mg/L	106.1	85	115			
L51170-02AS	AS	05/25/05 3:25	MS050311-3	.05	U	.05238	mg/L	104.8	70	130			
L51170-02ASD	ASD	05/25/05 3:32	MS050311-3	.05	U	.05182	mg/L	103.6	70	130	1.07	20	
WG189772CCV1	CCV	05/25/05 4:00	MS050516-4	.25		.2531	mg/L	101.2	90	110			
WG189772CCB1	CCB	05/25/05 4:07				U	mg/L		-0.00132	0.00132			
L51170-10AS	AS	05/25/05 4:49	MS050311-3	.05	.002	.05265	mg/L	101.3	70	130			
L51170-10ASD	ASD	05/25/05 4:56	MS050311-3	.05	.002	.05332	mg/L	102.6	70	130	1.26	20	
WG189772CCV2	CCV	05/25/05 5:24	MS050516-4	.25		.2484	mg/L	99.4	90	110			
WG189772CCB2	CCB	05/25/05 5:30				U	mg/L		-0.00132	0.00132			
WG189772CCV3	CCV	05/25/05 6:19	MS050516-4	.25		.2494	mg/L	99.8	90	110			
WG189772CCB3	CCB	05/25/05 6:26				U	mg/L		-0.00132	0.00132			

Idaho Dept of Environmental Quality
 Project ID:

ACZ Project ID: **L51170**

Nitrate/Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189630													
WG189630ICV	ICV	05/19/05 20:44	WI050426-1	2.4083		2.456	mg/L	102	90	110			
WG189630ICB	ICB	05/19/05 20:45				U	mg/L		-0.02	0.02			
WG189630LFB1	LFB	05/19/05 20:49	WI050506-4	2		1.977	mg/L	98.9	90	110			
L51170-01AS	AS	05/19/05 20:52	WI050506-4	2	.17	2.149	mg/L	99	90	110			
L51170-02DUP	DUP	05/19/05 20:54			.04	.061	mg/L				41.6	20	RA
WG189630CCV1	CCV	05/19/05 20:59	WI050514-5	2		2.06	mg/L	103	90	110			
WG189630CCB1	CCB	05/19/05 21:01				U	mg/L		-0.02	0.02			
L51170-11AS	AS	05/19/05 21:10	WI050506-4	2	.05	2.041	mg/L	99.6	90	110			
L51170-12DUP	DUP	05/19/05 21:12			.05	.047	mg/L				6.2	20	
WG189630CCV2	CCV	05/19/05 21:15	WI050514-5	2		2.063	mg/L	103.2	90	110			
WG189630CCB2	CCB	05/19/05 21:17				U	mg/L		-0.02	0.02			
WG189630LFB2	LFB	05/19/05 21:27	WI050506-4	2		1.988	mg/L	99.4	90	110			
WG189630CCV3	CCV	05/19/05 21:30	WI050514-5	2		2.072	mg/L	103.6	90	110			
WG189630CCB3	CCB	05/19/05 21:33				U	mg/L		-0.02	0.02			
WG189630CCV4	CCV	05/19/05 21:46	WI050514-5	2		2.033	mg/L	101.7	90	110			
WG189630CCB4	CCB	05/19/05 21:48				U	mg/L		-0.02	0.02			
WG189630CCV6	CCV	05/19/05 21:57	WI050514-5	2		2.073	mg/L	103.7	90	110			
WG189630CCB5	CCB	05/19/05 21:59				U	mg/L		-0.02	0.02			
WG189630CCV7	CCV	05/19/05 22:04	WI050514-5	2		2.083	mg/L	104.2	90	110			
WG189630CCB6	CCB	05/19/05 22:07				U	mg/L		-0.02	0.02			

Idaho Dept of Environmental Quality
 Project ID:

ACZ Project ID: **L51170**

Phosphorus, total M365.1 - Auto Ascorbic Acid (digest)

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG190278													
WG190278ICV	ICV	06/03/05 13:07	SCN000196	.65228		.613	mg/L	94	90	110			
WG190278ICB	ICB	06/03/05 13:09				U	mg/L		-0.01	0.01			
WG190278PBW	PBW	06/03/05 13:10				U	mg/L		-0.01	0.01			
WG190278LFB	LFB	06/03/05 13:12	WI050524-4	.5		.473	mg/L	94.6	90	110			
L51145-01MS	MS	06/03/05 13:16	WI050524-4	.5	.03	.431	mg/L	80.2	90	110			M2
L51151-02DUP	DUP	06/03/05 13:18			.03	.028	mg/L				6.9	20	
WG190278CCV1	CCV	06/03/05 13:22	WI050524-3	.5		.483	mg/L	96.6	90	110			
WG190278CCB1	CCB	06/03/05 13:23				U	mg/L		-0.01	0.01			
WG190278CCV2	CCV	06/03/05 13:38	WI050524-3	.5		.482	mg/L	96.4	90	110			
WG190278CCB2	CCB	06/03/05 13:39				U	mg/L		-0.01	0.01			
WG190278CCV3	CCV	06/03/05 13:48	WI050524-3	.5		.476	mg/L	95.2	90	110			
WG190278CCB3	CCB	06/03/05 13:49				U	mg/L		-0.01	0.01			
WG190455													
WG190455ICV	ICV	06/04/05 19:14	SCN000196	.65228		.657	mg/L	100.7	90	110			
WG190455ICB	ICB	06/04/05 19:15				U	mg/L		-0.01	0.01			
WG190455CCV2	CCV	06/04/05 19:41	WI050524-3	.5		.499	mg/L	99.8	90	110			
WG190455CCB2	CCB	06/04/05 19:43				U	mg/L		-0.01	0.01			
WG190455CCV3	CCV	06/04/05 19:55	WI050524-3	.5		.503	mg/L	100.6	90	110			
WG190455CCB3	CCB	06/04/05 19:56				U	mg/L		-0.01	0.01			
L51143-05DUP	DUP	06/04/05 19:57			139	137.8	mg/L				0.9	20	
WG190455CCV4	CCV	06/04/05 19:59	WI050524-3	.5		.497	mg/L	99.4	90	110			
WG190455CCB4	CCB	06/04/05 20:00				U	mg/L		-0.01	0.01			
WG190455ICV1	ICV	06/04/05 20:40	SCN000196	.65228		.641	mg/L	98.3	90	110			
WG190455ICB1	ICB	06/04/05 20:42				U	mg/L		-0.01	0.01			
WG190455PBW	PBW	06/04/05 20:43				U	mg/L		-0.01	0.01			
WG190455LFB	LFB	06/04/05 20:44	WI050524-4	.5		.523	mg/L	104.6	90	110			
L51129-01MS	MS	06/04/05 20:46	WI050524-4	.5	.07	.563	mg/L	98.6	90	110			
WG190455CCV5	CCV	06/04/05 20:54	WI050524-3	.5		.49	mg/L	98	90	110			
WG190455CCB5	CCB	06/04/05 20:55				U	mg/L		-0.01	0.01			
L51170-10MS	MS	06/04/05 21:02	WI050524-4	.5	.12	.642	mg/L	104.4	90	110			
L51170-11DUP	DUP	06/04/05 21:05			.14	.143	mg/L				2.1	20	
WG190455CCV6	CCV	06/04/05 21:08	WI050524-3	.5		.497	mg/L	99.4	90	110			
WG190455CCB6	CCB	06/04/05 21:09				U	mg/L		-0.01	0.01			
WG190456													
WG190456ICV	ICV	06/04/05 22:10	SCN000196	.65228		.666	mg/L	102.1	90	110			
WG190456ICB	ICB	06/04/05 22:12				U	mg/L		-0.01	0.01			
WG190456PBW	PBW	06/04/05 22:13				U	mg/L		-0.01	0.01			
WG190456LFB	LFB	06/04/05 22:14	WI050524-4	.5		.51	mg/L	102	90	110			
L51167-01MS	MS	06/04/05 22:16	WI050524-4	.5	.02	.534	mg/L	102.8	90	110			
L51170-01DUP	DUP	06/04/05 22:19			.16	.152	mg/L				5.1	20	
WG190456CCV1	CCV	06/04/05 22:24	WI050524-3	.5		.513	mg/L	102.6	90	110			
WG190456CCB1	CCB	06/04/05 22:25				U	mg/L		-0.01	0.01			
WG190456CCV2	CCV	06/04/05 22:38	WI050524-3	.5		.506	mg/L	101.2	90	110			
WG190456CCB2	CCB	06/04/05 22:39				U	mg/L		-0.01	0.01			
WG190456CCV3	CCV	06/04/05 22:48	WI050524-3	.5		.516	mg/L	103.2	90	110			
WG190456CCB3	CCB	06/04/05 22:49				U	mg/L		-0.01	0.01			

Idaho Dept of Environmental Quality
 Project ID:

ACZ Project ID: **L51170**

Residue, Non-Filterable (TSS) @105C M160.2 - Gravimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189621													
WG189621PBW	PBW	05/19/05 15:40				U	mg/L		-5	5			
WG189621LCSW	LCSW	05/19/05 15:42	PCN22081	72		72	mg/L	100	61.2	82.8			
L51137-08DUP	DUP	05/19/05 15:47			20	18	mg/L				10.5	20	
L51170-19DUP	DUP	05/19/05 16:40			12	12	mg/L				0	20	

Selenium, total SM 3114 B, AA-Hydride

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189741													
WG189741ICV	ICV	05/24/05 11:37	II050411-7	.02		.0211	mg/L	105.5	90	110			
WG189741ICB	ICB	05/24/05 11:38				U	mg/L		-0.001	0.001			
WG189742													
WG189742CCV1	CCV	05/24/05 14:16	II050505-2	.025		.0274	mg/L	109.6	90	110			
WG189742CCB1	CCB	05/24/05 14:17				U	mg/L		-0.001	0.001			
WG189742LRB	LRB	05/24/05 14:18				U	mg/L		-0.001	0.001			
WG189742LFB	LFB	05/24/05 14:20	II050411-10	.02		.0197	mg/L	98.5	85	115			
WG189742CCV2	CCV	05/24/05 14:31	II050505-2	.025		.0275	mg/L	110	90	110			
WG189742CCB2	CCB	05/24/05 14:32				U	mg/L		-0.001	0.001			
WG189742ICV	ICV	05/25/05 9:55	II050411-7	.02		.0219	mg/L	109.5	90	110			
WG189742ICB	ICB	05/25/05 9:56				U	mg/L		-0.001	0.001			
L51170-09LFM	LFM	05/25/05 10:00	II050411-10	.02	.005	.0269	mg/L	109.5	85	115			
L51170-09LFMD	LFMD	05/25/05 10:01	II050411-10	.02	.005	.0265	mg/L	107.5	85	115	1.5	20	
WG189742CCV3	CCV	05/25/05 10:10	II050505-2	.025		.0265	mg/L	106	90	110			
WG189742CCB3	CCB	05/25/05 10:12				U	mg/L		-0.001	0.001			
L51170-19LFM	LFM	05/25/05 10:18	II050411-10	.02	.005	.0263	mg/L	106.5	85	115			
L51170-19LFMD	LFMD	05/25/05 10:19	II050411-10	.02	.005	.0259	mg/L	104.5	85	115	1.53	20	
WG189742CCV4	CCV	05/25/05 10:20	II050505-2	.025		.0268	mg/L	107.2	90	110			
WG189742CCB4	CCB	05/25/05 10:22				U	mg/L		-0.001	0.001			
WG189742CCV5	CCV	05/25/05 12:45	II050505-2	.025		.0247	mg/L	98.8	90	110			
WG189742CCB5	CCB	05/25/05 12:46				U	mg/L		-0.001	0.001			
WG189742CCV6	CCV	05/25/05 12:49	II050505-2	.025		.0251	mg/L	100.4	90	110			
WG189742CCB6	CCB	05/25/05 12:50				U	mg/L		-0.001	0.001			

Silver, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189772													
WG189772ICV	ICV	05/25/05 2:43	MS050510-2	.02		.01834	mg/L	91.7	90	110			
WG189772ICB	ICB	05/25/05 2:50				U	mg/L		-0.00011	0.00011			
WG189772LFB	LFB	05/25/05 2:57	MS050311-3	.0125		.01244	mg/L	99.5	85	115			
L51170-02AS	AS	05/25/05 3:25	MS050311-3	.0125	U	.01168	mg/L	93.4	70	130			
L51170-02ASD	ASD	05/25/05 3:32	MS050311-3	.0125	U	.01165	mg/L	93.2	70	130	0.26	20	
WG189772CCV1	CCV	05/25/05 4:00	MS050516-4	.025		.02466	mg/L	98.6	90	110			
WG189772CCB1	CCB	05/25/05 4:07				U	mg/L		-0.00011	0.00011			
L51170-10AS	AS	05/25/05 4:49	MS050311-3	.0125	U	.01084	mg/L	86.7	70	130			
L51170-10ASD	ASD	05/25/05 4:56	MS050311-3	.0125	U	.01099	mg/L	87.9	70	130	1.37	20	
WG189772CCV2	CCV	05/25/05 5:24	MS050516-4	.025		.0247	mg/L	98.8	90	110			
WG189772CCB2	CCB	05/25/05 5:30				U	mg/L		-0.00011	0.00011			
WG189772CCV3	CCV	05/25/05 6:19	MS050516-4	.025		.02486	mg/L	99.4	90	110			
WG189772CCB3	CCB	05/25/05 6:26				U	mg/L		-0.00011	0.00011			

Idaho Dept of Environmental Quality
 Project ID:

ACZ Project ID: **L51170**

Sulfate M375.3 - Gravimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG190224													
WG190224PBW	PBW	06/01/05 14:15				U	mg/L		-10	10			
WG190224LCSW	LCSW	06/01/05 14:17	WC050528-3	100		93	mg/L	93	80	120			
L51170-09DUP	DUP	06/01/05 14:46			20	17	mg/L				16.2	20	
L51170-19DUP	DUP	06/01/05 15:15			40	35	mg/L				13.3	20	

Vanadium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189772													
WG189772ICV	ICV	05/25/05 2:43	MS050510-2	.05		.0544	mg/L	108.8	90	110			
WG189772ICB	ICB	05/25/05 2:50				U	mg/L		-0.00044	0.00044			
WG189772LFB	LFB	05/25/05 2:57	MS050311-3	.05		.05464	mg/L	109.3	85	115			
L51170-02AS	AS	05/25/05 3:25	MS050311-3	.05	.0012	.05832	mg/L	114.2	70	130			
L51170-02ASD	ASD	05/25/05 3:32	MS050311-3	.05	.0012	.05754	mg/L	112.7	70	130	1.35	20	
WG189772CCV1	CCV	05/25/05 4:00	MS050516-4	.1		.1036	mg/L	103.6	90	110			
WG189772CCB1	CCB	05/25/05 4:07				U	mg/L		-0.00044	0.00044			
L51170-10AS	AS	05/25/05 4:49	MS050311-3	.05	.0004	.05644	mg/L	112.1	70	130			
L51170-10ASD	ASD	05/25/05 4:56	MS050311-3	.05	.0004	.05685	mg/L	112.9	70	130	0.72	20	
WG189772CCV2	CCV	05/25/05 5:24	MS050516-4	.1		.1031	mg/L	103.1	90	110			
WG189772CCB2	CCB	05/25/05 5:30				U	mg/L		-0.00044	0.00044			
WG189772CCV3	CCV	05/25/05 6:19	MS050516-4	.1		.103	mg/L	103	90	110			
WG189772CCB3	CCB	05/25/05 6:26				U	mg/L		-0.00044	0.00044			

Zinc, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG189947													
WG189947ICV2	ICV	05/27/05 12:11	II050513-2	2		1.938	mg/L	96.9	95	105			
WG189947ICB	ICB	05/27/05 12:15				U	mg/L		-0.01	0.01			
WG190037													
WG190037CCV1	CCV	05/27/05 13:56	II050518-3	1		1.086	mg/L	108.6	90	110			
WG190037CCB1	CCB	05/27/05 14:00				U	mg/L		-0.01	0.01			
WG190037PQV	PQV	05/27/05 14:03	II050503-2	.05		.054	mg/L	108	70	130			
WG190037SIC	SIC	05/27/05 14:06	II050520-1	.05		.05	mg/L	100	83	130			
WG190037LFB	LFB	05/27/05 14:12	II050521-2	.5		.534	mg/L	106.8	85	115			
L51170-01AS	AS	05/27/05 14:19	II050521-2	.5	U	.555	mg/L	111	85	115			
L51170-01ASD	ASD	05/27/05 14:22	II050521-2	.5	U	.557	mg/L	111.4	85	115	0.36	20	
WG190037CCV2	CCV	05/27/05 14:35	II050518-3	1		1.044	mg/L	104.4	90	110			
WG190037CCB2	CCB	05/27/05 14:38				U	mg/L		-0.01	0.01			
L51170-11AS	AS	05/27/05 15:04	II050521-2	.5	U	.56	mg/L	112	85	115			
L51170-11ASD	ASD	05/27/05 15:07	II050521-2	.5	U	.59	mg/L	118	85	115	5.22	20	MA
WG190037CCV3	CCV	05/27/05 15:13	II050518-3	1		1.042	mg/L	104.2	90	110			
WG190037CCB3	CCB	05/27/05 15:17				U	mg/L		-0.01	0.01			
WG190037CCV4	CCV	05/27/05 15:46	II050518-3	1		1.03	mg/L	103	90	110			
WG190037CCB4	CCB	05/27/05 15:49				U	mg/L		-0.01	0.01			

Idaho Dept of Environmental Quality

ACZ Project ID: **L51170**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L51170-01	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) exceeded limit; sample concentration is less than 10x the MDL.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-02	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) exceeded limit; sample concentration is less than 10x the MDL.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-03	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) exceeded limit; sample concentration is less than 10x the MDL.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-04	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) exceeded limit; sample concentration is less than 10x the MDL.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-05	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) exceeded limit; sample concentration is less than 10x the MDL.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-06	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) exceeded limit; sample concentration is less than 10x the MDL.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-07	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) exceeded limit; sample concentration is less than 10x the MDL.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-08	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) exceeded limit; sample concentration is less than 10x the MDL.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-09	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) exceeded limit; sample concentration is less than 10x the MDL.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-10	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) exceeded limit; sample concentration is less than 10x the MDL.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.

Idaho Dept of Environmental Quality

ACZ Project ID: **L51170**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L51170-11	WG190037	Zinc, dissolved	M200.7 ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-12	WG190037	Zinc, dissolved	M200.7 ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-13	WG190037	Zinc, dissolved	M200.7 ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-14	WG190037	Zinc, dissolved	M200.7 ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-15	WG190037	Zinc, dissolved	M200.7 ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-16	WG190037	Zinc, dissolved	M200.7 ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-17	WG190037	Zinc, dissolved	M200.7 ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-18	WG190037	Zinc, dissolved	M200.7 ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.
L51170-19	WG190037	Zinc, dissolved	M200.7 ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
	WG189630	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	H3	Sample was received and analyzed past holding time.
	WG190278	Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	M2	Matrix spike recovery was low, the method control sample recovery was acceptable.
	WG189621	Residue, Non-Filterable (TSS) @105C	M160.2 - Gravimetric	H3	Sample was received and analyzed past holding time.

Idaho Dept of Environmental Quality

ACZ Project ID: **L51170**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
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Idaho Dept of Environmental Quality

ACZ Project ID: **L51170**

No certification qualifiers associated with this analysis

Idaho Dept of Environmental Quality

ACZ Project ID: L51170
 Date Received: 5/19/2005
 Received By:
 Date Printed: 5/20/2005

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) Are the trip blanks (VOA and/or Cyanide) present?				X
12) Are samples requiring no headspace, headspace free?				X
13) 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

The following items were not in agreement: number of samples. There was one sample that was received, Rasmussen Cr, that was not on the COC. The sampled by field was not filled out. There are parameters past hold, see the short hold time report for further information.

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

A message was left with Melissa Thompson on 5/19/2005. The client indicated that Melissa T, Lynn V and Greg M performed the sampling. Rasmussen Creek should be analysed in the same manner as the other samples.

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
1034	10.7	14
1013	4.8	17
1022	6.8	16

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

Notes

Idaho Dept of Environmental Quality

ACZ Project ID: L51170
 Date Received: 5/19/2005
 Received By:

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	Y < 2	YG < 2	B < 2	BG < 2	O < 2	T > 12	P > 12	N/A	RAD
L51170-01	MONTPELIER @ KOA	Y	Y		Y							
L51170-02	GEORGETOWN CR BLW MI	Y	Y		Y							
L51170-03	GEORGETOWN CR ABV RT	Y	Y		Y							
L51170-04	ANGUS CR	Y	Y		Y							
L51170-05	ANGUS CR-2	Y	Y		Y							
L51170-06	BLACKFOOT@CHINAHAT	Y	Y		Y							
L51170-07	BLACKFOOT@CHINAHAT	Y	Y		Y							
L51170-08	BLACKFOOT@CHINAHAT	Y	Y		Y							
L51170-09	BLACKFOOT@MONSANTO	Y	Y		Y							
L51170-10	BRACLFOOT@TRAIL CRRA	Y	Y		Y							
L51170-11	BLACKFOOT@SLUG CR RD	Y	Y		Y							
L51170-12	BLACKFOOT ABV NARROW	Y	Y		Y							
L51170-13	BLACKFOOT@UPPER BRID	Y	Y		Y							
L51170-14	SPRING CR@MOUTH	Y	Y		Y							
L51170-15	SNOW CR	Y	Y		Y							
L51170-16	LANES CR	Y	Y		Y							
L51170-17	E MILL CR	Y	Y		Y							
L51170-18	RAIN CR	Y	Y		Y							
L51170-19	RASMUSSEN CR	Y	Y		Y							

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
BG	Filtered/Sulfuric	BLUE GLASS	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

L51170

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: LYNN Van Every
 Company: IOEQ
 E-mail: LVanevery@deq.idaho.gov

Address: 444 Hospital Wy #300
POCAHELLO ID 83201
 Telephone: 236-6160

Copy of Report to:

Name: SAME
 Company:

E-mail:
 Telephone:

Invoice to:

Name: SAME
 Company:

Email:
 Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES NO
 If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #:	Project/PO #:	Reporting state for compliance testing:	Are any samples NRC licensable material?	SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	METALS	WET CHEMISTRY	SULFATE						
				MONTPELIER (1) KOA	COMP 5/9, 5/10, 5/12		6	X	X	X						
				GEORGETOWN CR BLW MILL	COMP "		6	X	X	X						
				GEORGETOWN CR ABV RT. FR.	"		6	X	X	X						
				ANGUS CR. -	"		6	X	X	X						
				ANGUS CR - 2	"		6	X	X	X						
				BLACKFOOT (1) CHIENA MAT	5/9/05 11:00		6	X	X	X						
				BLACKFOOT (1) CHIENA MAT	5/11/05 10:45		6	X	X	X						
				BLACKFOOT (1) CHIENA MAT	5/12/05 10:25		6	X	X	X						
				BLACKFOOT (1) MONSANTO	COMP 3/9, 5/11, 5/12		6	X	X	X						
				BLACKFOOT (1) TRAZL CRA	COMP 3/9, 5/12		6	X	X	X						

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

The same analyte list as 2004 Selenium project plus sulfate.

Please refer to ACZ's terms & conditions located on the reverse side of this COC

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
<i>[Signature]</i>	5/19/05 13:24	RMS	5/19/05 0800

SAMPLED BY:	INTERNAL USE ONLY

1 of 2

L51170

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: LYNN VANEVERY	Address: 444 HOSPITAL WY #300
Company: IDFG	POCATELLO ID 83301
E-mail: LYNN.LVANEVRY@IDFG.IDaho.gov	Telephone: 236-6160

Copy of Report to:

Name: SAME	E-mail:
Company:	Telephone:

Invoice to:

Name: SAME	Email:
Company:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES NO

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION ANALYSES REQUESTED (attach list or use quote number)

Quote #:	Project/PO #:	Reporting state for compliance testing:	Are any samples NRC licensable material?	Matrix	# of Containers	METALS	WET CHEMIST	Sulfate						
BLACKFOOT @ SLUG CR BR	COMP 5/9, 5/11, 5/12				6	X	X	X						
BLACKFOOT ABV. NARROWS	COMP 5/9, 5/11, 5/12				4	X	X	X						
BLACKFOOT @ UPPER BRIDGE	COMP 5/9, 5/11, 5/12				4	X	X	X						
SPRING CR @ MOUTH	COMP 5/10, 5/12, 5/13				4	X	X	X						
SNOW CR	5/10/05 15:20				4	X	X	X						
LANES CR	5/10/05 12:45				4	X	X	X						
E Mill CR.	COMP 5/10, 5/12, 5/13				4	X	X	X						
RAVEN CR	COMP 5/9, 5/11, 5/12				4	X	X	X						
ROSSAUSSEN CRK	5-9-05				6	X	X	X						
L266519-05 per client														

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

USE SAME ANALYTE LIST AS 2004-Selenium project plus Sulfate.

Please refer to ACZ's terms & conditions located on the reverse side of this COC

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Melissa Thompson	5/19/05 13:24	PLMS	5/19/05 0800

SAMPLED BY:	INTERNAL USE ONLY
Melissa T.	L266 5-20-05 per client
Lynn V.	
Greg M.	

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