Analytical Results Report TOC

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1. ECDMS Analytical Results Report 12/22/2009

Catalog Number	Purchase Order Number	Lab ID	Catalog Submitter	ECDMS User ID
7020102	94420-09-Y032	AWH	Reeves, Mari - Anchorage, AK	r7afo

Catalog Title	Anchorage Metals Analysis
Lab Name:	Alpha Woods Hole Labs
Regional Study ID:	ANCWET09
Regional Study Title:	Anchorage Wetlands Pilot Water Quality study

Notes, Symbols and Abbreviations Used
Based on the report options selected the report should be **printed in landscape mode**
Notes, Symbols and Abbreviations Used The following may appear before a reported result (e.g. < 1234). < - Less than symbol indicates that the actual result is less than the reported detection limit. > - Greater than symbol indicates that the actual result is greater than the reported result.
All results are reported as 3 significant digits.
All results are reported as parts per million (ppm), or percent, unless otherwise noted.

1. Integrity Report

Lab Receipt Date	10/21/2009	**Lab Approval Date**	10/27/2009

Catalog Problems
No problems reported
Problem Resolution

* See "Laboratory Notes" section.

2. Bulk Data

Sample Number	Sample Matrix	Percent Moisture
AN1-C-S-09	Sediments	58.2
AN10-C-S-09	Sediments	90.0
AN11-C-S-09	Sediments	51.4
AN12-C-S-09	Sediments	74.7
AN13-C-S-09	Sediments	81.9
AN14-C-S-09	Sediments	73.8
AN15-C-S-09	Sediments	79.8
AN16-C-S-09	Sediments	93.0
AN17-C-S-09	Sediments	73.0
AN2-C-S-09	Sediments	74.9
AN3-C-S-09	Sediments	62.0
AN4-C-S-09	Sediments	36.0
AN5-C-S-09	Sediments	71.8
AN6-C-S-09	Sediments	75.2
AN7-C-S-09	Sediments	69.0
AN8-C-S-09	Sediments	82.5
AN9-C-S-09	Sediments	93.2
AN1-1-W-09	Water	
AN1-2-W-09	Water	
*AN1-3-W-09	Water	
AN1-4-W-09	Water	
AN10-1-W-09	Water	
AN10-2-W-09	Water	
AN11-1-W-09	Water	
AN12-1-W-09	Water	
AN13-1-W-09	Water	
*AN14-1-W-09	Water	
AN15-1-W-09	Water	
*AN16-1-W-09	Water	
AN17-1-W-09	Water	
AN2-1-W-09	Water	

Sample Number	Sample Matrix	Percent Moisture
*AN2-2-W-09	Water	
*AN2-3-W-09	Water	
*AN2-4-W-09	Water	
AN3-1-W-09	Water	
AN3-2-W-09	Water	
AN3-3-W-09	Water	
AN3-4-W-09	Water	
AN4-1-W-09	Water	
AN4-2-W-09	Water	
AN4-3-W-09	Water	
*AN4-4-W-09	Water	
AN5-1-W-09	Water	
AN5-2-W-09	Water	
AN5-3-W-09	Water	
AN5-4-W-09	Water	
AN6-1-W-09	Water	
AN6-2-W-09	Water	
*AN6-3-W-09	Water	
AN7-1-W-09	Water	
*AN7-2-W-09	Water	
AN7-3-W-09	Water	
*AN8-1-W-09	Water	
*AN8-2-W-09	Water	
AN9-1-W-09	Water	
*Blank	Water	
Replicate1	Water	
Replicate2	Water	
Replicate3	Water	
Replicate4	Water	

3. Soil/Sediment Parameters

Sample Number	Percent Total Organic Carbon
AN1-C-S-09	6.10
AN10-C-S-09	13.8
AN11-C-S-09	11.3
AN12-C-S-09	8.68
AN13-C-S-09	9.11
AN14-C-S-09	7.42
AN15-C-S-09	9.78
AN16-C-S-09	13.3
AN17-C-S-09	6.40
AN2-C-S-09	7.16
AN3-C-S-09	4.45
AN4-C-S-09	3.05
AN5-C-S-09	6.06
AN6-C-S-09	6.67
AN7-C-S-09	7.71
AN8-C-S-09	9.00
AN9-C-S-09	5.66

4. Contaminant Concentrations

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
Aluminum						
	AN1-C-S-09	Sediments	17200	313	7190	131
	AN10-C-S-09	Sediments	9580	59.5	958	5.95
	AN11-C-S-09	Sediments	12500	304	6080	148
	AN12-C-S-09	Sediments	11000	107	2780	27.1
	AN13-C-S-09	Sediments	13400	832	2430	151
	AN14-C-S-09	Sediments	18400	477	4820	125
	AN15-C-S-09	Sediments	9260	28.3	1870	5.72
	AN16-C-S-09	Sediments	6780	86.7	471	6.03
	AN17-C-S-09	Sediments	13900	532	3750	144
	AN2-C-S-09	Sediments	13900	527	3490	132
	AN3-C-S-09	Sediments	18700	382	7110	145
	AN4-C-S-09	Sediments	15800	212	10100	136
	AN5-C-S-09	Sediments	11800	576	3330	162
	AN6-C-S-09	Sediments	15700	506	3890	125
	AN7-C-S-09	Sediments	16300	510.	5050	158
	AN8-C-S-09	Sediments	8230	70.7	1440	12.4
	AN9-C-S-09	Sediments	6840	71.7	465	4.88
	AN1-1-W-09	Water			0.134	0.0500
	AN1-2-W-09	Water			0.169	0.0500
	*AN1-3-W-09	Water			< 0.0500	0.0500
	AN1-4-W-09	Water			0.168	0.0500
	AN10-1-W-09	Water			0.0600	0.0500
	AN10-2-W-09	Water			0.143	0.0500
	AN11-1-W-09	Water			0.132	0.0500
	AN12-1-W-09	Water			0.494	0.0500
	AN13-1-W-09	Water			0.0730	0.0500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*AN14-1-W-09	Water			< 0.0500	0.0500
	AN15-1-W-09	Water			0.102	0.0500
	*AN16-1-W-09	Water			< 0.0500	0.0500
	AN17-1-W-09	Water			0.0560	0.0500
	AN2-1-W-09	Water			0.0780	0.0500
	*AN2-2-W-09	Water			< 0.0500	0.0500
	*AN2-3-W-09	Water			< 0.0500	0.0500
	*AN2-4-W-09	Water			< 0.0500	0.0500
	AN3-1-W-09	Water			0.247	0.0500
	AN3-2-W-09	Water			0.0730	0.0500
	AN3-3-W-09	Water			0.281	0.0500
	AN3-4-W-09	Water			0.330	0.0500
	AN4-1-W-09	Water			0.0530	0.0500
	AN4-2-W-09	Water			0.0580	0.0500
	AN4-3-W-09	Water			0.0710	0.0500
	*AN4-4-W-09	Water			< 0.0500	0.0500
	AN5-1-W-09	Water			0.0790	0.0500
	AN5-2-W-09	Water			0.0600	0.0500
	AN5-3-W-09	Water			0.123	0.0500
	AN5-4-W-09	Water			0.127	0.0500
	AN6-1-W-09	Water			0.0540	0.0500
	AN6-2-W-09	Water			0.0720	0.0500
	*AN6-3-W-09	Water			< 0.0500	0.0500
	AN7-1-W-09	Water			0.445	0.0500
	*AN7-2-W-09	Water			< 0.0500	0.0500
	AN7-3-W-09	Water			0.684	0.0500
	*AN8-1-W-09	Water			< 0.0500	0.0500
	*AN8-2-W-09	Water			< 0.0500	0.0500
	AN9-1-W-09	Water			0.234	0.0500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*Blank	Water			< 0.0500	0.0500
	Replicate1	Water			0.171	0.0500
	Replicate2	Water			0.0850	0.0500
	Replicate3	Water			0.0560	0.0500
	Replicate4	Water			0.323	0.0500
Arsenic						
	AN1-C-S-09	Sediments	40.7	0.0630	17.0	0.0263
	AN10-C-S-09	Sediments	8.75	0.298	0.875	0.0298
	AN11-C-S-09	Sediments	5.66	0.0610	2.75	0.0296
	AN12-C-S-09	Sediments	1.76	0.107	0.445	0.0271
	AN13-C-S-09	Sediments	13.5	0.166	2.44	0.0300
	AN14-C-S-09	Sediments	10.2	0.0950	2.67	0.0249
	AN15-C-S-09	Sediments	7.05	0.141	1.42	0.0285
	AN16-C-S-09	Sediments	2.48	0.433	0.172	0.0301
	AN17-C-S-09	Sediments	6.67	0.106	1.80	0.0286
	AN2-C-S-09	Sediments	21.3	0.105	5.35	0.0264
	AN3-C-S-09	Sediments	19.5	0.0770	7.41	0.0293
	AN4-C-S-09	Sediments	4.20	0.0420	2.69	0.0269
	AN5-C-S-09	Sediments	14.2	0.115	4.00	0.0324
	AN6-C-S-09	Sediments	13.1	0.101	3.25	0.0250
	AN7-C-S-09	Sediments	13.8	0.102	4.28	0.0316
	AN8-C-S-09	Sediments	3.04	0.141	0.532	0.0247
	AN9-C-S-09	Sediments	4.95	0.359	0.337	0.0244
	AN1-1-W-09	Water			0.00180	0.000500
	AN1-2-W-09	Water			0.00170	0.000500
	AN1-3-W-09	Water			0.000700	0.000500
	AN1-4-W-09	Water			0.000900	0.000500
	*AN10-1-W-09	Water			< 0.000500	0.000500
	AN10-2-W-09	Water			0.00380	0.000500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN11-1-W-09	Water			0.00220	0.000500
	AN12-1-W-09	Water			0.000900	0.000500
	AN13-1-W-09	Water			0.00140	0.000500
	AN14-1-W-09	Water			0.00110	0.000500
	*AN15-1-W-09	Water			< 0.000500	0.000500
	*AN16-1-W-09	Water			< 0.000500	0.000500
	*AN17-1-W-09	Water			< 0.000500	0.000500
	AN2-1-W-09	Water			0.00200	0.000500
	AN2-2-W-09	Water			0.00430	0.000500
	AN2-3-W-09	Water			0.00400	0.000500
	AN2-4-W-09	Water			0.00210	0.000500
	AN3-1-W-09	Water			0.00230	0.000500
	AN3-2-W-09	Water			0.00260	0.000500
	AN3-3-W-09	Water			0.00200	0.000500
	AN3-4-W-09	Water			0.00250	0.000500
	*AN4-1-W-09	Water			< 0.000500	0.000500
	*AN4-2-W-09	Water			< 0.000500	0.000500
	AN4-3-W-09	Water			0.00110	0.000500
	*AN4-4-W-09	Water			< 0.000500	0.000500
	AN5-1-W-09	Water			0.00350	0.000500
	AN5-2-W-09	Water			0.00450	0.000500
	AN5-3-W-09	Water			0.00360	0.000500
	AN5-4-W-09	Water			0.00320	0.000500
	AN6-1-W-09	Water			0.000900	0.000500
	AN6-2-W-09	Water			0.000900	0.000500
	AN6-3-W-09	Water			0.000800	0.000500
	AN7-1-W-09	Water			0.00130	0.000500
	AN7-2-W-09	Water			0.00170	0.000500
	AN7-3-W-09	Water			0.00170	0.000500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*AN8-1-W-09	Water			< 0.000500	0.000500
	*AN8-2-W-09	Water			< 0.000500	0.000500
	*AN9-1-W-09	Water			< 0.000500	0.000500
	*Blank	Water			< 0.000500	0.000500
	Replicate1	Water			0.00120	0.000500
	Replicate2	Water			0.00340	0.000500
	Replicate3	Water			0.000900	0.000500
	Replicate4	Water			0.00190	0.000500
Boron						
	AN1-C-S-09	Sediments	8.56	0.626	3.58	0.262
	AN10-C-S-09	Sediments	8.42	2.98	0.842	0.298
	AN11-C-S-09	Sediments	4.28	0.609	2.08	0.296
	AN12-C-S-09	Sediments	3.29	1.07	0.832	0.271
	AN13-C-S-09	Sediments	20.0	1.66	3.62	0.300
	AN14-C-S-09	Sediments	7.39	0.954	1.94	0.250
	AN15-C-S-09	Sediments	12.7	1.41	2.57	0.285
	AN16-C-S-09	Sediments	5.88	4.33	0.409	0.301
	AN17-C-S-09	Sediments	8.33	1.06	2.25	0.286
	AN2-C-S-09	Sediments	12.3	1.05	3.09	0.264
	AN3-C-S-09	Sediments	6.19	0.765	2.35	0.291
	AN4-C-S-09	Sediments	4.93	0.424	3.16	0.271
	AN5-C-S-09	Sediments	13.3	1.15	3.75	0.324
	AN6-C-S-09	Sediments	9.31	1.01	2.31	0.250
	AN7-C-S-09	Sediments	6.71	1.02	2.08	0.316
	AN8-C-S-09	Sediments	9.97	1.41	1.74	0.247
	AN9-C-S-09	Sediments	5.57	3.59	0.379	0.244
	AN1-1-W-09	Water			0.0330	0.0100
	AN1-2-W-09	Water			0.0330	0.0100
	AN1-3-W-09	Water			0.0330	0.0100

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN1-4-W-09	Water			0.0300	0.0100
	AN10-1-W-09	Water			0.0130	0.0100
	AN10-2-W-09	Water			0.0190	0.0100
	AN11-1-W-09	Water			0.0280	0.0100
	*AN12-1-W-09	Water			< 0.0100	0.0100
	AN13-1-W-09	Water			0.0830	0.0100
	AN14-1-W-09	Water			0.0260	0.0100
	AN15-1-W-09	Water			0.0290	0.0100
	AN16-1-W-09	Water			0.0120	0.0100
	AN17-1-W-09	Water			0.0300	0.0100
	AN2-1-W-09	Water			0.0580	0.0100
	AN2-2-W-09	Water			0.0610	0.0100
	AN2-3-W-09	Water			0.0580	0.0100
	AN2-4-W-09	Water			0.0540	0.0100
	AN3-1-W-09	Water			0.0490	0.0100
	AN3-2-W-09	Water			0.0520	0.0100
	AN3-3-W-09	Water			0.0470	0.0100
	AN3-4-W-09	Water			0.0470	0.0100
	AN4-1-W-09	Water			0.0460	0.0100
	AN4-2-W-09	Water			0.0460	0.0100
	AN4-3-W-09	Water			0.0520	0.0100
	AN4-4-W-09	Water			0.0500	0.0100
	AN5-1-W-09	Water			0.0640	0.0100
	AN5-2-W-09	Water			0.0650	0.0100
	AN5-3-W-09	Water			0.0610	0.0100
	AN5-4-W-09	Water			0.0610	0.0100
	AN6-1-W-09	Water			0.0400	0.0100
	AN6-2-W-09	Water			0.0460	0.0100
	AN6-3-W-09	Water			0.0380	0.0100

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN7-1-W-09	Water			0.0610	0.0100
	AN7-2-W-09	Water			0.0890	0.0100
	AN7-3-W-09	Water			0.0550	0.0100
	AN8-1-W-09	Water			0.0250	0.0100
	AN8-2-W-09	Water			0.0330	0.0100
	AN9-1-W-09	Water			0.0130	0.0100
	*Blank	Water			< 0.0100	0.0100
	Replicate1	Water			0.0290	0.0100
	Replicate2	Water			0.0680	0.0100
	Replicate3	Water			0.0500	0.0100
	Replicate4	Water			0.0500	0.0100
Barium						
	AN1-C-S-09	Sediments	134	0.125	56.0	0.0522
	AN10-C-S-09	Sediments	73.4	0.595	7.34	0.0595
	AN11-C-S-09	Sediments	127	0.122	61.7	0.0593
	AN12-C-S-09	Sediments	93.9	0.214	23.8	0.0541
	AN13-C-S-09	Sediments	117	0.333	21.2	0.0603
	AN14-C-S-09	Sediments	130.	0.191	34.1	0.0500
	AN15-C-S-09	Sediments	104	0.283	21.0	0.0572
	AN16-C-S-09	Sediments	62.2	0.867	4.32	0.0603
	AN17-C-S-09	Sediments	96.3	0.213	26.0	0.0575
	AN2-C-S-09	Sediments	152	0.211	38.2	0.0530
	AN3-C-S-09	Sediments	126	0.153	47.9	0.0581
	AN4-C-S-09	Sediments	109	0.0850	69.8	0.0544
	AN5-C-S-09	Sediments	94.9	0.230	26.8	0.0649
	AN6-C-S-09	Sediments	119	0.203	29.5	0.0503
	AN7-C-S-09	Sediments	102	0.204	31.6	0.0632
	AN8-C-S-09	Sediments	78.8	0.283	13.8	0.0495
	AN9-C-S-09	Sediments	58.8	0.717	4.00	0.0488

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN1-1-W-09	Water			0.0276	0.000500
	AN1-2-W-09	Water			0.0276	0.000500
	AN1-3-W-09	Water			0.0248	0.000500
	AN1-4-W-09	Water			0.0269	0.000500
	AN10-1-W-09	Water			0.00820	0.000500
	AN10-2-W-09	Water			0.0368	0.000500
	AN11-1-W-09	Water			0.0408	0.000500
	AN12-1-W-09	Water			0.0122	0.000500
	AN13-1-W-09	Water			0.0640	0.000500
	AN14-1-W-09	Water			0.0132	0.000500
	AN15-1-W-09	Water			0.00590	0.000500
	AN16-1-W-09	Water			0.00410	0.000500
	AN17-1-W-09	Water			0.00880	0.000500
	AN2-1-W-09	Water			0.0882	0.000500
	AN2-2-W-09	Water			0.108	0.000500
	AN2-3-W-09	Water			0.101	0.000500
	AN2-4-W-09	Water			0.0841	0.000500
	AN3-1-W-09	Water			0.0862	0.000500
	AN3-2-W-09	Water			0.0906	0.000500
	AN3-3-W-09	Water			0.0820	0.000500
	AN3-4-W-09	Water			0.0741	0.000500
	AN4-1-W-09	Water			0.0478	0.000500
	AN4-2-W-09	Water			0.0498	0.000500
	AN4-3-W-09	Water			0.0465	0.000500
	AN4-4-W-09	Water			0.0516	0.000500
	AN5-1-W-09	Water			0.0696	0.000500
	AN5-2-W-09	Water			0.0765	0.000500
	AN5-3-W-09	Water			0.0707	0.000500
	AN5-4-W-09	Water			0.0699	0.000500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN6-1-W-09	Water			0.0414	0.000500
	AN6-2-W-09	Water			0.0410	0.000500
	AN6-3-W-09	Water			0.0416	0.000500
	AN7-1-W-09	Water			0.0402	0.000500
	AN7-2-W-09	Water			0.0562	0.000500
	AN7-3-W-09	Water			0.0427	0.000500
	AN8-1-W-09	Water			0.00920	0.000500
	AN8-2-W-09	Water			0.00680	0.000500
	AN9-1-W-09	Water			0.00530	0.000500
	*Blank	Water			< 0.000500	0.000500
	Replicate1	Water			0.0418	0.000500
	Replicate2	Water			0.0706	0.000500
	Replicate3	Water			0.0438	0.000500
	Replicate4	Water			0.0818	0.000500
Beryllium						
	AN1-C-S-09	Sediments	0.452	0.0630	0.189	0.0263
	*AN10-C-S-09	Sediments	< 0.298	0.298	< 0.0298	0.0298
	AN11-C-S-09	Sediments	0.307	0.0610	0.149	0.0296
	AN12-C-S-09	Sediments	0.172	0.107	0.0435	0.0271
	AN13-C-S-09	Sediments	0.329	0.166	0.0595	0.0300
	AN14-C-S-09	Sediments	0.412	0.0950	0.108	0.0249
	AN15-C-S-09	Sediments	0.194	0.141	0.0392	0.0285
	*AN16-C-S-09	Sediments	< 0.433	0.433	< 0.0301	0.0301
	AN17-C-S-09	Sediments	0.266	0.106	0.0718	0.0286
	AN2-C-S-09	Sediments	0.541	0.105	0.136	0.0264
	AN3-C-S-09	Sediments	0.439	0.0770	0.167	0.0293
	AN4-C-S-09	Sediments	0.385	0.212	0.246	0.136
	AN5-C-S-09	Sediments	0.237	0.115	0.0668	0.0324
	AN6-C-S-09	Sediments	0.396	0.101	0.0982	0.0250

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN7-C-S-09	Sediments	0.384	0.102	0.119	0.0316
	AN8-C-S-09	Sediments	0.174	0.141	0.0304	0.0247
	*AN9-C-S-09	Sediments	< 0.359	0.359	< 0.0244	0.0244
	*AN1-1-W-09	Water			< 0.000500	0.000500
	*AN1-2-W-09	Water			< 0.000500	0.000500
	*AN1-3-W-09	Water			< 0.000500	0.000500
	*AN1-4-W-09	Water			< 0.000500	0.000500
	*AN10-1-W-09	Water			< 0.000500	0.000500
	*AN10-2-W-09	Water			< 0.000500	0.000500
	AN11-1-W-09	Water			0.000500	0.000500
	*AN12-1-W-09	Water			< 0.000500	0.000500
	*AN13-1-W-09	Water			< 0.000500	0.000500
	*AN14-1-W-09	Water			< 0.000500	0.000500
	*AN15-1-W-09	Water			< 0.000500	0.000500
	*AN16-1-W-09	Water			< 0.000500	0.000500
	*AN17-1-W-09	Water			< 0.000500	0.000500
	*AN2-1-W-09	Water			< 0.000500	0.000500
	*AN2-2-W-09	Water			< 0.000500	0.000500
	*AN2-3-W-09	Water			< 0.000500	0.000500
	*AN2-4-W-09	Water			< 0.000500	0.000500
	*AN3-1-W-09	Water			< 0.000500	0.000500
	*AN3-2-W-09	Water			< 0.000500	0.000500
	*AN3-3-W-09	Water			< 0.000500	0.000500
	*AN3-4-W-09	Water			< 0.000500	0.000500
	*AN4-1-W-09	Water			< 0.000500	0.000500
	*AN4-2-W-09	Water			< 0.000500	0.000500
	*AN4-3-W-09	Water			< 0.000500	0.000500
	*AN4-4-W-09	Water			< 0.000500	0.000500
	*AN5-1-W-09	Water			< 0.000500	0.000500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*AN5-2-W-09	Water			< 0.000500	0.000500
	*AN5-3-W-09	Water			< 0.000500	0.000500
	*AN5-4-W-09	Water			< 0.000500	0.000500
	*AN6-1-W-09	Water			< 0.000500	0.000500
	*AN6-2-W-09	Water			< 0.000500	0.000500
	*AN6-3-W-09	Water			< 0.000500	0.000500
	*AN7-1-W-09	Water			< 0.000500	0.000500
	*AN7-2-W-09	Water			< 0.000500	0.000500
	*AN7-3-W-09	Water			< 0.000500	0.000500
	*AN8-1-W-09	Water			< 0.000500	0.000500
	*AN8-2-W-09	Water			< 0.000500	0.000500
	*AN9-1-W-09	Water			< 0.000500	0.000500
	*Blank	Water			< 0.000500	0.000500
	*Replicate1	Water			< 0.000500	0.000500
	*Replicate2	Water			< 0.000500	0.000500
	*Replicate3	Water			< 0.000500	0.000500
	*Replicate4	Water			< 0.000500	0.000500
Cadmium						
	AN1-C-S-09	Sediments	0.330	0.0630	0.138	0.0263
	AN10-C-S-09	Sediments	0.388	0.298	0.0388	0.0298
	AN11-C-S-09	Sediments	0.171	0.0610	0.0831	0.0296
	AN12-C-S-09	Sediments	0.210	0.107	0.0531	0.0271
	AN13-C-S-09	Sediments	0.409	0.166	0.0740	0.0300
	AN14-C-S-09	Sediments	0.320	0.0950	0.0838	0.0249
	AN15-C-S-09	Sediments	0.147	0.141	0.0297	0.0285
	*AN16-C-S-09	Sediments	< 0.433	0.433	< 0.0301	0.0301
	AN17-C-S-09	Sediments	0.153	0.106	0.0413	0.0286
	AN2-C-S-09	Sediments	0.534	0.105	0.134	0.0264
	AN3-C-S-09	Sediments	0.570	0.0770	0.217	0.0293

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN4-C-S-09	Sediments	0.154	0.0420	0.0986	0.0269
	AN5-C-S-09	Sediments	0.227	0.115	0.0640	0.0324
	AN6-C-S-09	Sediments	0.477	0.101	0.118	0.0250
	AN7-C-S-09	Sediments	0.116	0.102	0.0360	0.0316
	AN8-C-S-09	Sediments	0.208	0.141	0.0364	0.0247
	AN9-C-S-09	Sediments	0.361	0.359	0.0245	0.0244
	*AN1-1-W-09	Water			< 0.000500	0.000500
	*AN1-2-W-09	Water			< 0.000500	0.000500
	*AN1-3-W-09	Water			< 0.000500	0.000500
	*AN1-4-W-09	Water			< 0.000500	0.000500
	*AN10-1-W-09	Water			< 0.000500	0.000500
	*AN10-2-W-09	Water			< 0.000500	0.000500
	*AN11-1-W-09	Water			< 0.000500	0.000500
	*AN12-1-W-09	Water			< 0.000500	0.000500
	*AN13-1-W-09	Water			< 0.000500	0.000500
	*AN14-1-W-09	Water			< 0.000500	0.000500
	*AN15-1-W-09	Water			< 0.000500	0.000500
	*AN16-1-W-09	Water			< 0.000500	0.000500
	*AN17-1-W-09	Water			< 0.000500	0.000500
	*AN2-1-W-09	Water			< 0.000500	0.000500
	*AN2-2-W-09	Water			< 0.000500	0.000500
	*AN2-3-W-09	Water			< 0.000500	0.000500
	*AN2-4-W-09	Water			< 0.000500	0.000500
	*AN3-1-W-09	Water			< 0.000500	0.000500
	*AN3-2-W-09	Water			< 0.000500	0.000500
	*AN3-3-W-09	Water			< 0.000500	0.000500
	*AN3-4-W-09	Water			< 0.000500	0.000500
	*AN4-1-W-09	Water			< 0.000500	0.000500
	*AN4-2-W-09	Water			< 0.000500	0.000500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*AN4-3-W-09	Water			< 0.000500	0.000500
	*AN4-4-W-09	Water			< 0.000500	0.000500
	*AN5-1-W-09	Water			< 0.000500	0.000500
	*AN5-2-W-09	Water			< 0.000500	0.000500
	*AN5-3-W-09	Water			< 0.000500	0.000500
	*AN5-4-W-09	Water			< 0.000500	0.000500
	*AN6-1-W-09	Water			< 0.000500	0.000500
	*AN6-2-W-09	Water			< 0.000500	0.000500
	*AN6-3-W-09	Water			< 0.000500	0.000500
	*AN7-1-W-09	Water			< 0.000500	0.000500
	*AN7-2-W-09	Water			< 0.000500	0.000500
	*AN7-3-W-09	Water			< 0.000500	0.000500
	*AN8-1-W-09	Water			< 0.000500	0.000500
	*AN8-2-W-09	Water			< 0.000500	0.000500
	*AN9-1-W-09	Water			< 0.000500	0.000500
	*Blank	Water			< 0.000500	0.000500
	*Replicate1	Water			< 0.000500	0.000500
	*Replicate2	Water			< 0.000500	0.000500
	*Replicate3	Water			< 0.000500	0.000500
	*Replicate4	Water			< 0.000500	0.000500
Chromium						
	AN1-C-S-09	Sediments	31.6	0.250	13.2	0.104
	AN10-C-S-09	Sediments	21.1	1.19	2.11	0.119
	AN11-C-S-09	Sediments	37.0	0.244	18.0	0.119
	AN12-C-S-09	Sediments	15.3	0.427	3.87	0.108
	AN13-C-S-09	Sediments	27.8	0.666	5.03	0.121
	AN14-C-S-09	Sediments	37.2	0.382	9.75	0.100
	AN15-C-S-09	Sediments	26.4	0.566	5.33	0.114
	AN16-C-S-09	Sediments	9.74	1.73	0.677	0.120

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN17-C-S-09	Sediments	31.3	0.426	8.45	0.115
	AN2-C-S-09	Sediments	31.3	0.422	7.86	0.106
	AN3-C-S-09	Sediments	40.3	0.306	15.3	0.116
	AN4-C-S-09	Sediments	32.3	0.170	20.7	0.109
	AN5-C-S-09	Sediments	26.6	0.460	7.50	0.130
	AN6-C-S-09	Sediments	41.0	0.405	10.2	0.100
	AN7-C-S-09	Sediments	30.8	0.408	9.55	0.126
	AN8-C-S-09	Sediments	19.9	0.566	3.48	0.0990
	AN9-C-S-09	Sediments	12.4	1.43	0.843	0.0972
	AN1-1-W-09	Water			0.00200	0.00100
	AN1-2-W-09	Water			0.00200	0.00100
	*AN1-3-W-09	Water			< 0.00100	0.00100
	AN1-4-W-09	Water			0.00100	0.00100
	*AN10-1-W-09	Water			< 0.00100	0.00100
	AN10-2-W-09	Water			0.00200	0.00100
	AN11-1-W-09	Water			0.00200	0.00100
	AN12-1-W-09	Water			0.00100	0.00100
	*AN13-1-W-09	Water			< 0.00100	0.00100
	*AN14-1-W-09	Water			< 0.00100	0.00100
	*AN15-1-W-09	Water			< 0.00100	0.00100
	*AN16-1-W-09	Water			< 0.00100	0.00100
	*AN17-1-W-09	Water			< 0.00100	0.00100
	*AN2-1-W-09	Water			< 0.00100	0.00100
	*AN2-2-W-09	Water			< 0.00100	0.00100
	*AN2-3-W-09	Water			< 0.00100	0.00100
	*AN2-4-W-09	Water			< 0.00100	0.00100
	AN3-1-W-09	Water			0.00200	0.00100
	AN3-2-W-09	Water			0.00100	0.00100
	AN3-3-W-09	Water			0.00200	0.00100

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN3-4-W-09	Water			0.00200	0.00100
	*AN4-1-W-09	Water			< 0.00100	0.00100
	*AN4-2-W-09	Water			< 0.00100	0.00100
	AN4-3-W-09	Water			0.00100	0.00100
	*AN4-4-W-09	Water			< 0.00100	0.00100
	*AN5-1-W-09	Water			< 0.00100	0.00100
	*AN5-2-W-09	Water			< 0.00100	0.00100
	AN5-3-W-09	Water			0.00100	0.00100
	*AN5-4-W-09	Water			< 0.00100	0.00100
	*AN6-1-W-09	Water			< 0.00100	0.00100
	*AN6-2-W-09	Water			< 0.00100	0.00100
	*AN6-3-W-09	Water			< 0.00100	0.00100
	AN7-1-W-09	Water			0.00100	0.00100
	*AN7-2-W-09	Water			< 0.00100	0.00100
	AN7-3-W-09	Water			0.00200	0.00100
	*AN8-1-W-09	Water			< 0.00100	0.00100
	*AN8-2-W-09	Water			< 0.00100	0.00100
	AN9-1-W-09	Water			0.00200	0.00100
	*Blank	Water			< 0.00100	0.00100
	Replicate1	Water			0.00100	0.00100
	*Replicate2	Water			< 0.00100	0.00100
	*Replicate3	Water			< 0.00100	0.00100
	Replicate4	Water			0.00200	0.00100
Copper						
	AN1-C-S-09	Sediments	30.8	0.125	12.9	0.0522
	AN10-C-S-09	Sediments	34.3	0.595	3.43	0.0595
	AN11-C-S-09	Sediments	25.5	0.122	12.4	0.0593
	AN12-C-S-09	Sediments	24.3	0.214	6.15	0.0541
	AN13-C-S-09	Sediments	31.8	0.333	5.76	0.0603

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN14-C-S-09	Sediments	39.8	0.191	10.4	0.0500
	AN15-C-S-09	Sediments	17.4	0.283	3.51	0.0572
	AN16-C-S-09	Sediments	14.5	0.867	1.01	0.0603
	AN17-C-S-09	Sediments	19.8	0.213	5.35	0.0575
	AN2-C-S-09	Sediments	40.2	0.211	10.1	0.0530
	AN3-C-S-09	Sediments	45.0	0.153	17.1	0.0581
	AN4-C-S-09	Sediments	23.8	0.0850	15.2	0.0544
	AN5-C-S-09	Sediments	28.7	0.230	8.09	0.0649
	AN6-C-S-09	Sediments	51.9	0.203	12.9	0.0503
	AN7-C-S-09	Sediments	29.0	0.204	8.99	0.0632
	AN8-C-S-09	Sediments	24.3	0.283	4.25	0.0495
	AN9-C-S-09	Sediments	27.9	0.717	1.90	0.0488
	AN1-1-W-09	Water			0.00200	0.00100
	AN1-2-W-09	Water			0.00300	0.00100
	*AN1-3-W-09	Water			< 0.00100	0.00100
	AN1-4-W-09	Water			0.00200	0.00100
	*AN10-1-W-09	Water			< 0.00100	0.00100
	AN10-2-W-09	Water			0.00400	0.00100
	AN11-1-W-09	Water			0.00300	0.00100
	AN12-1-W-09	Water			0.00400	0.00100
	*AN13-1-W-09	Water			< 0.00100	0.00100
	AN14-1-W-09	Water			0.00100	0.00100
	*AN15-1-W-09	Water			< 0.00100	0.00100
	*AN16-1-W-09	Water			< 0.00100	0.00100
	*AN17-1-W-09	Water			< 0.00100	0.00100
	AN2-1-W-09	Water			0.00200	0.00100
	AN2-2-W-09	Water			0.00100	0.00100
	*AN2-3-W-09	Water			< 0.00100	0.00100
	AN2-4-W-09	Water			0.00100	0.00100

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN3-1-W-09	Water			0.00300	0.00100
	AN3-2-W-09	Water			0.00200	0.00100
	AN3-3-W-09	Water			0.00300	0.00100
	AN3-4-W-09	Water			0.00300	0.00100
	AN4-1-W-09	Water			0.00100	0.00100
	AN4-2-W-09	Water			0.00200	0.00100
	AN4-3-W-09	Water			0.00200	0.00100
	*AN4-4-W-09	Water			< 0.00100	0.00100
	AN5-1-W-09	Water			0.00200	0.00100
	AN5-2-W-09	Water			0.00200	0.00100
	AN5-3-W-09	Water			0.00200	0.00100
	AN5-4-W-09	Water			0.00200	0.00100
	AN6-1-W-09	Water			0.00200	0.00100
	AN6-2-W-09	Water			0.00300	0.00100
	AN6-3-W-09	Water			0.00200	0.00100
	AN7-1-W-09	Water			0.00300	0.00100
	AN7-2-W-09	Water			0.00200	0.00100
	AN7-3-W-09	Water			0.00400	0.00100
	*AN8-1-W-09	Water			< 0.00100	0.00100
	*AN8-2-W-09	Water			< 0.00100	0.00100
	AN9-1-W-09	Water			0.00200	0.00100
	*Blank	Water			< 0.00100	0.00100
	Replicate1	Water			0.00200	0.00100
	Replicate2	Water			0.00200	0.00100
	Replicate3	Water			0.00300	0.00100
	Replicate4	Water			0.00300	0.00100
Iron						
	AN1-C-S-09	Sediments	30200	626	12600	262
	AN10-C-S-09	Sediments	8400	119	840.	11.9

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN11-C-S-09	Sediments	16600	609	8070	296
	AN12-C-S-09	Sediments	7160	214	1810	54.1
	AN13-C-S-09	Sediments	19200	1660	3480	300.
	AN14-C-S-09	Sediments	25600	954	6710	250.
	AN15-C-S-09	Sediments	7680	56.6	1550	11.4
	AN16-C-S-09	Sediments	4400	173	306	12.0
	AN17-C-S-09	Sediments	14800	1060	4000	286
	AN2-C-S-09	Sediments	42800	1050	10700	264
	AN3-C-S-09	Sediments	42100	765	16000	291
	AN4-C-S-09	Sediments	28200	424	18000	271
	AN5-C-S-09	Sediments	29700	1150	8380	324
	AN6-C-S-09	Sediments	28300	1010	7020	250.
	AN7-C-S-09	Sediments	25900	1020	8030	316
	AN8-C-S-09	Sediments	7890	141	1380	24.7
	AN9-C-S-09	Sediments	6700	143	456	9.72
	AN1-1-W-09	Water			1.13	0.0500
	AN1-2-W-09	Water			1.14	0.0500
	AN1-3-W-09	Water			0.818	0.0500
	AN1-4-W-09	Water			1.05	0.0500
	AN10-1-W-09	Water			0.604	0.0500
	AN10-2-W-09	Water			4.87	0.0500
	AN11-1-W-09	Water			2.76	0.0500
	AN12-1-W-09	Water			1.57	0.0500
	AN13-1-W-09	Water			0.714	0.0500
	AN14-1-W-09	Water			0.738	0.0500
	AN15-1-W-09	Water			0.566	0.0500
	AN16-1-W-09	Water			0.119	0.0500
	AN17-1-W-09	Water			0.116	0.0500
	AN2-1-W-09	Water			2.60	0.0500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN2-2-W-09	Water			6.01	0.0500
	AN2-3-W-09	Water			5.52	0.0500
	AN2-4-W-09	Water			2.75	0.0500
	AN3-1-W-09	Water			4.56	0.0500
	AN3-2-W-09	Water			4.74	0.0500
	AN3-3-W-09	Water			3.94	0.0500
	AN3-4-W-09	Water			3.96	0.0500
	AN4-1-W-09	Water			0.772	0.0500
	AN4-2-W-09	Water			1.08	0.0500
	AN4-3-W-09	Water			0.425	0.0500
	AN4-4-W-09	Water			0.778	0.0500
	AN5-1-W-09	Water			4.91	0.0500
	AN5-2-W-09	Water			6.62	0.0500
	AN5-3-W-09	Water			5.26	0.0500
	AN5-4-W-09	Water			4.61	0.0500
	AN6-1-W-09	Water			0.806	0.0500
	AN6-2-W-09	Water			0.717	0.0500
	AN6-3-W-09	Water			0.882	0.0500
	AN7-1-W-09	Water			1.71	0.0500
	AN7-2-W-09	Water			1.25	0.0500
	AN7-3-W-09	Water			1.75	0.0500
	AN8-1-W-09	Water			0.187	0.0500
	AN8-2-W-09	Water			0.0850	0.0500
	AN9-1-W-09	Water			0.704	0.0500
	*Blank	Water			< 0.0500	0.0500
	Replicate1	Water			3.39	0.0500
	Replicate2	Water			4.76	0.0500
	Replicate3	Water			0.636	0.0500
	Replicate4	Water			4.20	0.0500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
Mercury						
	AN1-C-S-09	Sediments	0.0950	0.0280	0.0397	0.0117
	*AN10-C-S-09	Sediments	< 0.129	0.129	< 0.0129	0.0129
	AN11-C-S-09	Sediments	0.0990	0.0240	0.0481	0.0117
	AN12-C-S-09	Sediments	0.151	0.0440	0.0382	0.0111
	*AN13-C-S-09	Sediments	< 0.0700	0.0700	< 0.0127	0.0127
	AN14-C-S-09	Sediments	0.158	0.0490	0.0414	0.0128
	*AN15-C-S-09	Sediments	< 0.0610	0.0610	< 0.0123	0.0123
	*AN16-C-S-09	Sediments	< 0.191	0.191	< 0.0133	0.0133
	*AN17-C-S-09	Sediments	< 0.0560	0.0560	< 0.0151	0.0151
	AN2-C-S-09	Sediments	0.0830	0.0470	0.0208	0.0118
	AN3-C-S-09	Sediments	0.103	0.0350	0.0391	0.0133
	AN4-C-S-09	Sediments	0.128	0.0210	0.0819	0.0134
	*AN5-C-S-09	Sediments	< 0.0520	0.0520	< 0.0147	0.0147
	AN6-C-S-09	Sediments	0.145	0.0510	0.0360	0.0126
	AN7-C-S-09	Sediments	0.0560	0.0450	0.0174	0.0140
	*AN8-C-S-09	Sediments	< 0.0820	0.0820	< 0.0144	0.0144
	*AN9-C-S-09	Sediments	< 0.198	0.198	< 0.0135	0.0135
	*AN1-1-W-09	Water			< 0.0000500	0.0000500
	*AN1-2-W-09	Water			< 0.0000500	0.0000500
	*AN1-3-W-09	Water			< 0.0000500	0.0000500
	*AN1-4-W-09	Water			< 0.0000500	0.0000500
	*AN10-1-W-09	Water			< 0.0000500	0.0000500
	*AN10-2-W-09	Water			< 0.0000500	0.0000500
	*AN11-1-W-09	Water			< 0.0000500	0.0000500
	*AN12-1-W-09	Water			< 0.0000500	0.0000500
	*AN13-1-W-09	Water			< 0.0000500	0.0000500
	*AN14-1-W-09	Water			< 0.0000500	0.0000500
	*AN15-1-W-09	Water			< 0.0000500	0.0000500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*AN16-1-W-09	Water			< 0.0000500	0.0000500
	*AN17-1-W-09	Water			< 0.0000500	0.0000500
	*AN2-1-W-09	Water			< 0.0000500	0.0000500
	*AN2-2-W-09	Water			< 0.0000500	0.0000500
	*AN2-3-W-09	Water			< 0.0000500	0.0000500
	*AN2-4-W-09	Water			< 0.0000500	0.0000500
	*AN3-1-W-09	Water			< 0.0000500	0.0000500
	*AN3-2-W-09	Water			< 0.0000500	0.0000500
	*AN3-3-W-09	Water			< 0.0000500	0.0000500
	*AN3-4-W-09	Water			< 0.0000500	0.0000500
	*AN4-1-W-09	Water			< 0.0000500	0.0000500
	*AN4-2-W-09	Water			< 0.0000500	0.0000500
	*AN4-3-W-09	Water			< 0.0000500	0.0000500
	*AN4-4-W-09	Water			< 0.0000500	0.0000500
	*AN5-1-W-09	Water			< 0.0000500	0.0000500
	*AN5-2-W-09	Water			< 0.0000500	0.0000500
	*AN5-3-W-09	Water			< 0.0000500	0.0000500
	*AN5-4-W-09	Water			< 0.0000500	0.0000500
	*AN6-1-W-09	Water			< 0.0000500	0.0000500
	*AN6-2-W-09	Water			< 0.0000500	0.0000500
	*AN6-3-W-09	Water			< 0.0000500	0.0000500
	*AN7-1-W-09	Water			< 0.0000500	0.0000500
	*AN7-2-W-09	Water			< 0.0000500	0.0000500
	*AN7-3-W-09	Water			< 0.0000500	0.0000500
	*AN8-1-W-09	Water			< 0.0000500	0.0000500
	*AN8-2-W-09	Water			< 0.0000500	0.0000500
	*AN9-1-W-09	Water			< 0.0000500	0.0000500
	*Blank	Water			< 0.0000500	0.0000500
	*Replicate1	Water			< 0.0000500	0.0000500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*Replicate2	Water			< 0.0000500	0.0000500
	*Replicate3	Water			< 0.0000500	0.0000500
	*Replicate4	Water			< 0.0000500	0.0000500
Potassium						
	AN1-C-S-09	Sediments	713	313	298	131
	AN10-C-S-09	Sediments	608	149	60.8	14.9
	AN11-C-S-09	Sediments	563	304	274	148
	AN12-C-S-09	Sediments	805	107	204	27.1
	AN13-C-S-09	Sediments	1010	832	183	151
	AN14-C-S-09	Sediments	945	477	248	125
	AN15-C-S-09	Sediments	183	70.7	37.0	14.3
	AN16-C-S-09	Sediments	318	86.7	22.1	6.03
	*AN17-C-S-09	Sediments	< 532	532	< 144	144
	AN2-C-S-09	Sediments	708	527	178	132
	AN3-C-S-09	Sediments	956	382	363	145
	AN4-C-S-09	Sediments	714	212	457	136
	*AN5-C-S-09	Sediments	< 576	576	< 162	162
	AN6-C-S-09	Sediments	1080	506	268	125
	AN7-C-S-09	Sediments	649	510.	201	158
	AN8-C-S-09	Sediments	424	70.7	74.2	12.4
	AN9-C-S-09	Sediments	740.	71.7	50.3	4.88
	AN1-1-W-09	Water			1.34	0.200
	AN1-2-W-09	Water			1.53	0.200
	AN1-3-W-09	Water			1.04	0.200
	AN1-4-W-09	Water			1.46	0.200
	AN10-1-W-09	Water			3.03	0.200
	AN10-2-W-09	Water			3.58	0.200
	AN11-1-W-09	Water			4.38	0.200
	AN12-1-W-09	Water			7.87	0.200

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN13-1-W-09	Water			14.3	0.200
	AN14-1-W-09	Water			5.60	0.200
	AN15-1-W-09	Water			0.424	0.200
	AN16-1-W-09	Water			0.754	0.200
	AN17-1-W-09	Water			0.858	0.200
	AN2-1-W-09	Water			2.24	0.200
	AN2-2-W-09	Water			2.16	0.200
	AN2-3-W-09	Water			2.48	0.200
	AN2-4-W-09	Water			2.45	0.200
	AN3-1-W-09	Water			2.07	0.200
	AN3-2-W-09	Water			1.85	0.200
	AN3-3-W-09	Water			2.46	0.200
	AN3-4-W-09	Water			2.32	0.200
	AN4-1-W-09	Water			1.25	0.200
	AN4-2-W-09	Water			1.12	0.200
	AN4-3-W-09	Water			1.74	0.200
	AN4-4-W-09	Water			1.25	0.200
	AN5-1-W-09	Water			2.48	0.200
	AN5-2-W-09	Water			2.32	0.200
	AN5-3-W-09	Water			2.40	0.200
	AN5-4-W-09	Water			2.81	0.200
	AN6-1-W-09	Water			3.00	0.200
	AN6-2-W-09	Water			2.39	0.200
	AN6-3-W-09	Water			2.59	0.200
	AN7-1-W-09	Water			2.72	0.200
	AN7-2-W-09	Water			2.79	0.200
	AN7-3-W-09	Water			2.64	0.200
	AN8-1-W-09	Water			2.04	0.200
	AN8-2-W-09	Water			0.968	0.200

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN9-1-W-09	Water			4.22	0.200
	*Blank	Water			< 0.200	0.200
	Replicate1	Water			4.36	0.200
	Replicate2	Water			2.79	0.200
	Replicate3	Water			2.64	0.200
	Replicate4	Water			2.46	0.200
Magnesium						
	AN1-C-S-09	Sediments	8200	313	3430	131
	AN10-C-S-09	Sediments	2280	59.5	228	5.95
	AN11-C-S-09	Sediments	4820	304	2340	148
	AN12-C-S-09	Sediments	2260	107	572	27.1
	AN13-C-S-09	Sediments	6580	832	1190	151
	AN14-C-S-09	Sediments	8410	477	2200	125
	AN15-C-S-09	Sediments	1650	28.3	333	5.72
	AN16-C-S-09	Sediments	1670	86.7	116	6.03
	AN17-C-S-09	Sediments	4440	532	1200	144
	AN2-C-S-09	Sediments	7310	527	1830	132
	AN3-C-S-09	Sediments	10100	382	3840	145
	AN4-C-S-09	Sediments	8510	212	5450	136
	AN5-C-S-09	Sediments	6320	576	1780	162
	AN6-C-S-09	Sediments	7710	506	1910	125
	AN7-C-S-09	Sediments	7610	510.	2360	158
	AN8-C-S-09	Sediments	2860	70.7	500.	12.4
	AN9-C-S-09	Sediments	1890	71.7	129	4.88
	AN1-1-W-09	Water			5.91	0.0500
	AN1-2-W-09	Water			5.99	0.0500
	AN1-3-W-09	Water			7.26	0.0500
	AN1-4-W-09	Water			6.27	0.0500
	AN10-1-W-09	Water			1.30	0.0500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN10-2-W-09	Water			4.44	0.0500
	AN11-1-W-09	Water			7.38	0.0500
	AN12-1-W-09	Water			1.50	0.0500
	AN13-1-W-09	Water			11.5	0.0500
	AN14-1-W-09	Water			7.26	0.0500
	AN15-1-W-09	Water			4.32	0.0500
	AN16-1-W-09	Water			2.27	0.0500
	AN17-1-W-09	Water			4.70	0.0500
	AN2-1-W-09	Water			16.4	0.0500
	AN2-2-W-09	Water			19.0	0.0500
	AN2-3-W-09	Water			19.3	0.0500
	AN2-4-W-09	Water			17.2	0.0500
	AN3-1-W-09	Water			13.5	0.0500
	AN3-2-W-09	Water			14.6	0.0500
	AN3-3-W-09	Water			14.3	0.0500
	AN3-4-W-09	Water			12.3	0.0500
	AN4-1-W-09	Water			8.90	0.0500
	AN4-2-W-09	Water			9.12	0.0500
	AN4-3-W-09	Water			11.5	0.0500
	AN4-4-W-09	Water			9.29	0.0500
	AN5-1-W-09	Water			17.1	0.0500
	AN5-2-W-09	Water			16.7	0.0500
	AN5-3-W-09	Water			16.5	0.0500
	AN5-4-W-09	Water			15.0	0.0500
	AN6-1-W-09	Water			9.94	0.0500
	AN6-2-W-09	Water			11.3	0.0500
	AN6-3-W-09	Water			10.2	0.0500
	AN7-1-W-09	Water			10.3	0.0500
	AN7-2-W-09	Water			17.2	0.0500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN7-3-W-09	Water			8.95	0.0500
	AN8-1-W-09	Water			7.13	0.0500
	AN8-2-W-09	Water			7.45	0.0500
	AN9-1-W-09	Water			0.891	0.0500
	*Blank	Water			< 0.0500	0.0500
	Replicate1	Water			7.04	0.0500
	Replicate2	Water			15.5	0.0500
	Replicate3	Water			11.4	0.0500
	Replicate4	Water			12.2	0.0500
Manganese						
	AN1-C-S-09	Sediments	929	1.25	388	0.522
	AN10-C-S-09	Sediments	241	1.19	24.1	0.119
	AN11-C-S-09	Sediments	297	0.244	144	0.119
	AN12-C-S-09	Sediments	216	0.427	54.6	0.108
	AN13-C-S-09	Sediments	556	0.666	101	0.121
	AN14-C-S-09	Sediments	684	0.382	179	0.100
	AN15-C-S-09	Sediments	140.	0.566	28.3	0.114
	AN16-C-S-09	Sediments	134	1.73	9.31	0.120
	AN17-C-S-09	Sediments	379	0.426	102	0.115
	AN2-C-S-09	Sediments	1230	2.11	309	0.530
	AN3-C-S-09	Sediments	692	0.306	263	0.116
	AN4-C-S-09	Sediments	626	0.849	401	0.543
	AN5-C-S-09	Sediments	1140	0.460	321	0.130
	AN6-C-S-09	Sediments	436	0.405	108	0.100
	AN7-C-S-09	Sediments	635	0.408	197	0.126
	AN8-C-S-09	Sediments	109	0.566	19.1	0.0990
	AN9-C-S-09	Sediments	125	1.43	8.50	0.0972
	AN1-1-W-09	Water			0.256	0.000500
	AN1-2-W-09	Water			0.280	0.000500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN1-3-W-09	Water			0.198	0.000500
	AN1-4-W-09	Water			0.257	0.000500
	AN10-1-W-09	Water			0.0747	0.000500
	AN10-2-W-09	Water			0.750	0.000500
	AN11-1-W-09	Water			0.520	0.000500
	AN12-1-W-09	Water			0.0675	0.000500
	AN13-1-W-09	Water			0.948	0.000500
	AN14-1-W-09	Water			0.160	0.000500
	AN15-1-W-09	Water			0.0265	0.000500
	AN16-1-W-09	Water			0.00430	0.000500
	AN17-1-W-09	Water			0.00410	0.000500
	AN2-1-W-09	Water			0.637	0.000500
	AN2-2-W-09	Water			1.11	0.000500
	AN2-3-W-09	Water			1.08	0.000500
	AN2-4-W-09	Water			0.797	0.000500
	AN3-1-W-09	Water			1.08	0.000500
	AN3-2-W-09	Water			1.08	0.000500
	AN3-3-W-09	Water			1.05	0.000500
	AN3-4-W-09	Water			0.983	0.000500
	AN4-1-W-09	Water			0.157	0.000500
	AN4-2-W-09	Water			0.176	0.000500
	AN4-3-W-09	Water			0.108	0.000500
	AN4-4-W-09	Water			0.191	0.000500
	AN5-1-W-09	Water			0.881	0.000500
	AN5-2-W-09	Water			0.956	0.000500
	AN5-3-W-09	Water			0.945	0.000500
	AN5-4-W-09	Water			0.883	0.000500
	AN6-1-W-09	Water			0.476	0.000500
	AN6-2-W-09	Water			0.434	0.000500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN6-3-W-09	Water			0.652	0.000500
	AN7-1-W-09	Water			0.702	0.000500
	AN7-2-W-09	Water			0.931	0.000500
	AN7-3-W-09	Water			0.692	0.000500
	AN8-1-W-09	Water			0.0135	0.000500
	AN8-2-W-09	Water			0.00190	0.000500
	AN9-1-W-09	Water			0.0343	0.000500
	Blank	Water			0.000900	0.000500
	Replicate1	Water			0.624	0.000500
	Replicate2	Water			0.928	0.000500
	Replicate3	Water			0.439	0.000500
	Replicate4	Water			1.05	0.000500
Molybdenum						
	AN1-C-S-09	Sediments	2.79	0.0630	1.17	0.0263
	AN10-C-S-09	Sediments	1.85	0.298	0.185	0.0298
	AN11-C-S-09	Sediments	1.62	0.0610	0.787	0.0296
	AN12-C-S-09	Sediments	0.973	0.107	0.246	0.0271
	AN13-C-S-09	Sediments	3.40	0.166	0.615	0.0300
	AN14-C-S-09	Sediments	1.55	0.0950	0.406	0.0249
	AN15-C-S-09	Sediments	2.62	0.141	0.529	0.0285
	*AN16-C-S-09	Sediments	< 0.433	0.433	< 0.0301	0.0301
	AN17-C-S-09	Sediments	1.16	0.106	0.313	0.0286
	AN2-C-S-09	Sediments	2.72	0.105	0.683	0.0264
	AN3-C-S-09	Sediments	2.60	0.0770	0.988	0.0293
	AN4-C-S-09	Sediments	0.812	0.0420	0.520	0.0269
	AN5-C-S-09	Sediments	1.71	0.115	0.482	0.0324
	AN6-C-S-09	Sediments	2.19	0.101	0.543	0.0250
	AN7-C-S-09	Sediments	1.26	0.102	0.391	0.0316
	AN8-C-S-09	Sediments	1.14	0.141	0.200	0.0247

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN9-C-S-09	Sediments	1.60	0.359	0.109	0.0244
	AN1-1-W-09	Water			0.00200	0.000500
	AN1-2-W-09	Water			0.00210	0.000500
	*AN1-3-W-09	Water			< 0.000500	0.000500
	AN1-4-W-09	Water			0.000500	0.000500
	*AN10-1-W-09	Water			< 0.000500	0.000500
	AN10-2-W-09	Water			0.00210	0.000500
	AN11-1-W-09	Water			0.00190	0.000500
	*AN12-1-W-09	Water			< 0.000500	0.000500
	*AN13-1-W-09	Water			< 0.000500	0.000500
	*AN14-1-W-09	Water			< 0.000500	0.000500
	*AN15-1-W-09	Water			< 0.000500	0.000500
	*AN16-1-W-09	Water			< 0.000500	0.000500
	AN17-1-W-09	Water			0.000600	0.000500
	AN2-1-W-09	Water			0.000500	0.000500
	AN2-2-W-09	Water			0.000600	0.000500
	AN2-3-W-09	Water			0.000500	0.000500
	AN2-4-W-09	Water			0.000500	0.000500
	AN3-1-W-09	Water			0.000800	0.000500
	AN3-2-W-09	Water			0.000700	0.000500
	AN3-3-W-09	Water			0.000800	0.000500
	AN3-4-W-09	Water			0.00210	0.000500
	*AN4-1-W-09	Water			< 0.000500	0.000500
	AN4-2-W-09	Water			0.000600	0.000500
	AN4-3-W-09	Water			0.00180	0.000500
	*AN4-4-W-09	Water			< 0.000500	0.000500
	AN5-1-W-09	Water			0.000800	0.000500
	AN5-2-W-09	Water			0.000800	0.000500
	AN5-3-W-09	Water			0.000900	0.000500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN5-4-W-09	Water			0.000900	0.000500
	*AN6-1-W-09	Water			< 0.000500	0.000500
	AN6-2-W-09	Water			0.000600	0.000500
	*AN6-3-W-09	Water			< 0.000500	0.000500
	AN7-1-W-09	Water			0.00200	0.000500
	AN7-2-W-09	Water			0.00100	0.000500
	AN7-3-W-09	Water			0.00270	0.000500
	*AN8-1-W-09	Water			< 0.000500	0.000500
	*AN8-2-W-09	Water			< 0.000500	0.000500
	*AN9-1-W-09	Water			< 0.000500	0.000500
	*Blank	Water			< 0.000500	0.000500
	*Replicate1	Water			< 0.000500	0.000500
	Replicate2	Water			0.000900	0.000500
	Replicate3	Water			0.000600	0.000500
	Replicate4	Water			0.000900	0.000500
Sodium						
	AN1-C-S-09	Sediments	428	313	179	131
	AN10-C-S-09	Sediments	680.	59.5	68.0	5.95
	AN11-C-S-09	Sediments	468	304	227	148
	AN12-C-S-09	Sediments	671	107	170.	27.1
	*AN13-C-S-09	Sediments	< 832	832	< 151	151
	AN14-C-S-09	Sediments	492	477	129	125
	AN15-C-S-09	Sediments	281	28.3	56.8	5.72
	AN16-C-S-09	Sediments	372	86.7	25.9	6.03
	*AN17-C-S-09	Sediments	< 532	532	< 144	144
	*AN2-C-S-09	Sediments	< 527	527	< 132	132
	*AN3-C-S-09	Sediments	< 382	382	< 145	145
	AN4-C-S-09	Sediments	753	212	482	136
	*AN5-C-S-09	Sediments	< 576	576	< 162	162

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*AN6-C-S-09	Sediments	< 506	506	< 125	125
	*AN7-C-S-09	Sediments	< 510.	510.	< 158	158
	AN8-C-S-09	Sediments	322	70.7	56.4	12.4
	AN9-C-S-09	Sediments	564	71.7	38.4	4.88
	AN1-1-W-09	Water			4.48	0.100
	AN1-2-W-09	Water			5.13	0.100
	AN1-3-W-09	Water			4.85	0.100
	AN1-4-W-09	Water			4.86	0.100
	AN10-1-W-09	Water			6.73	0.100
	AN10-2-W-09	Water			8.11	0.100
	AN11-1-W-09	Water			57.7	0.100
	AN12-1-W-09	Water			2.67	0.100
	AN13-1-W-09	Water			7.45	0.100
	AN14-1-W-09	Water			7.06	0.100
	AN15-1-W-09	Water			2.06	0.100
	AN16-1-W-09	Water			1.55	0.100
	AN17-1-W-09	Water			2.22	0.100
	AN2-1-W-09	Water			23.2	0.100
	AN2-2-W-09	Water			26.1	0.100
	AN2-3-W-09	Water			26.4	0.100
	AN2-4-W-09	Water			24.0	0.100
	AN3-1-W-09	Water			13.8	0.100
	AN3-2-W-09	Water			12.6	0.100
	AN3-3-W-09	Water			17.2	0.100
	AN3-4-W-09	Water			14.8	0.100
	AN4-1-W-09	Water			6.03	0.100
	AN4-2-W-09	Water			6.17	0.100
	AN4-3-W-09	Water			6.84	0.100
	AN4-4-W-09	Water			6.22	0.100

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN5-1-W-09	Water			18.8	0.100
	AN5-2-W-09	Water			17.3	0.100
	AN5-3-W-09	Water			18.4	0.100
	AN5-4-W-09	Water			17.1	0.100
	AN6-1-W-09	Water			8.55	0.100
	AN6-2-W-09	Water			9.33	0.100
	AN6-3-W-09	Water			8.44	0.100
	AN7-1-W-09	Water			13.3	0.100
	AN7-2-W-09	Water			17.1	0.100
	AN7-3-W-09	Water			10.0	0.100
	AN8-1-W-09	Water			4.87	0.100
	AN8-2-W-09	Water			4.88	0.100
	AN9-1-W-09	Water			3.75	0.100
	*Blank	Water			< 0.100	0.100
	Replicate1	Water			55.8	0.100
	Replicate2	Water			16.4	0.100
	Replicate3	Water			9.38	0.100
	Replicate4	Water			14.0	0.100
Nickel						
	AN1-C-S-09	Sediments	34.7	0.125	14.5	0.0522
	AN10-C-S-09	Sediments	17.6	0.595	1.76	0.0595
	AN11-C-S-09	Sediments	20.8	0.122	10.1	0.0593
	AN12-C-S-09	Sediments	9.24	0.214	2.34	0.0541
	AN13-C-S-09	Sediments	28.7	0.333	5.19	0.0603
	AN14-C-S-09	Sediments	36.4	0.191	9.54	0.0500
	AN15-C-S-09	Sediments	9.69	0.283	1.96	0.0572
	AN16-C-S-09	Sediments	6.03	0.867	0.419	0.0603
	AN17-C-S-09	Sediments	17.9	0.213	4.83	0.0575
	AN2-C-S-09	Sediments	51.5	0.211	12.9	0.0530

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN3-C-S-09	Sediments	43.2	0.153	16.4	0.0581
	AN4-C-S-09	Sediments	34.7	0.0850	22.2	0.0544
	AN5-C-S-09	Sediments	23.9	0.230	6.74	0.0649
	AN6-C-S-09	Sediments	33.2	0.203	8.23	0.0503
	AN7-C-S-09	Sediments	34.6	0.204	10.7	0.0632
	AN8-C-S-09	Sediments	14.2	0.283	2.48	0.0495
	AN9-C-S-09	Sediments	13.8	0.717	0.938	0.0488
	AN1-1-W-09	Water			0.00240	0.000500
	AN1-2-W-09	Water			0.00280	0.000500
	AN1-3-W-09	Water			0.00170	0.000500
	AN1-4-W-09	Water			0.00190	0.000500
	AN10-1-W-09	Water			0.000800	0.000500
	AN10-2-W-09	Water			0.00590	0.000500
	AN11-1-W-09	Water			0.00250	0.000500
	AN12-1-W-09	Water			0.00220	0.000500
	AN13-1-W-09	Water			0.00160	0.000500
	AN14-1-W-09	Water			0.00190	0.000500
	AN15-1-W-09	Water			0.000800	0.000500
	*AN16-1-W-09	Water			< 0.000500	0.000500
	AN17-1-W-09	Water			0.000800	0.000500
	AN2-1-W-09	Water			0.00570	0.000500
	AN2-2-W-09	Water			0.00730	0.000500
	AN2-3-W-09	Water			0.00680	0.000500
	AN2-4-W-09	Water			0.00550	0.000500
	AN3-1-W-09	Water			0.00490	0.000500
	AN3-2-W-09	Water			0.00500	0.000500
	AN3-3-W-09	Water			0.00460	0.000500
	AN3-4-W-09	Water			0.00480	0.000500
	AN4-1-W-09	Water			0.00560	0.000500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN4-2-W-09	Water			0.00580	0.000500
	AN4-3-W-09	Water			0.00950	0.000500
	AN4-4-W-09	Water			0.00540	0.000500
	AN5-1-W-09	Water			0.00530	0.000500
	AN5-2-W-09	Water			0.00560	0.000500
	AN5-3-W-09	Water			0.00540	0.000500
	AN5-4-W-09	Water			0.00490	0.000500
	AN6-1-W-09	Water			0.00320	0.000500
	AN6-2-W-09	Water			0.00400	0.000500
	AN6-3-W-09	Water			0.00290	0.000500
	AN7-1-W-09	Water			0.00300	0.000500
	AN7-2-W-09	Water			0.00400	0.000500
	AN7-3-W-09	Water			0.00320	0.000500
	AN8-1-W-09	Water			0.00110	0.000500
	AN8-2-W-09	Water			0.00120	0.000500
	AN9-1-W-09	Water			0.00150	0.000500
	*Blank	Water			< 0.000500	0.000500
	Replicate1	Water			0.00240	0.000500
	Replicate2	Water			0.00500	0.000500
	Replicate3	Water			0.00380	0.000500
	Replicate4	Water			0.00470	0.000500
Lead						
	AN1-C-S-09	Sediments	5.84	0.0630	2.44	0.0263
	AN10-C-S-09	Sediments	49.8	0.298	4.98	0.0298
	AN11-C-S-09	Sediments	13.5	0.0610	6.56	0.0296
	AN12-C-S-09	Sediments	12.0	0.107	3.04	0.0271
	AN13-C-S-09	Sediments	9.18	0.166	1.66	0.0300
	AN14-C-S-09	Sediments	28.4	0.0950	7.44	0.0249
	AN15-C-S-09	Sediments	4.88	0.141	0.986	0.0285

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN16-C-S-09	Sediments	6.31	0.433	0.439	0.0301
	AN17-C-S-09	Sediments	8.97	0.106	2.42	0.0286
	AN2-C-S-09	Sediments	16.9	0.105	4.24	0.0264
	AN3-C-S-09	Sediments	22.9	0.0770	8.70	0.0293
	AN4-C-S-09	Sediments	5.18	0.0420	3.32	0.0269
	AN5-C-S-09	Sediments	10.4	0.115	2.93	0.0324
	AN6-C-S-09	Sediments	14.4	0.101	3.57	0.0250
	AN7-C-S-09	Sediments	5.40	0.102	1.67	0.0316
	AN8-C-S-09	Sediments	7.30	0.141	1.28	0.0247
	AN9-C-S-09	Sediments	75.9	0.359	5.16	0.0244
	*AN1-1-W-09	Water			< 0.00100	0.00100
	*AN1-2-W-09	Water			< 0.00100	0.00100
	*AN1-3-W-09	Water			< 0.00100	0.00100
	*AN1-4-W-09	Water			< 0.00100	0.00100
	*AN10-1-W-09	Water			< 0.00100	0.00100
	AN10-2-W-09	Water			0.00100	0.00100
	AN11-1-W-09	Water			0.00200	0.00100
	*AN12-1-W-09	Water			< 0.00100	0.00100
	*AN13-1-W-09	Water			< 0.00100	0.00100
	*AN14-1-W-09	Water			< 0.00100	0.00100
	*AN15-1-W-09	Water			< 0.00100	0.00100
	*AN16-1-W-09	Water			< 0.00100	0.00100
	*AN17-1-W-09	Water			< 0.00100	0.00100
	*AN2-1-W-09	Water			< 0.00100	0.00100
	*AN2-2-W-09	Water			< 0.00100	0.00100
	*AN2-3-W-09	Water			< 0.00100	0.00100
	*AN2-4-W-09	Water			< 0.00100	0.00100
	*AN3-1-W-09	Water			< 0.00100	0.00100
	*AN3-2-W-09	Water			< 0.00100	0.00100

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*AN3-3-W-09	Water			< 0.00100	0.00100
	AN3-4-W-09	Water			0.00100	0.00100
	*AN4-1-W-09	Water			< 0.00100	0.00100
	*AN4-2-W-09	Water			< 0.00100	0.00100
	*AN4-3-W-09	Water			< 0.00100	0.00100
	*AN4-4-W-09	Water			< 0.00100	0.00100
	*AN5-1-W-09	Water			< 0.00100	0.00100
	*AN5-2-W-09	Water			< 0.00100	0.00100
	*AN5-3-W-09	Water			< 0.00100	0.00100
	*AN5-4-W-09	Water			< 0.00100	0.00100
	*AN6-1-W-09	Water			< 0.00100	0.00100
	*AN6-2-W-09	Water			< 0.00100	0.00100
	*AN6-3-W-09	Water			< 0.00100	0.00100
	AN7-1-W-09	Water			0.00100	0.00100
	*AN7-2-W-09	Water			< 0.00100	0.00100
	AN7-3-W-09	Water			0.00100	0.00100
	*AN8-1-W-09	Water			< 0.00100	0.00100
	*AN8-2-W-09	Water			< 0.00100	0.00100
	*AN9-1-W-09	Water			< 0.00100	0.00100
	*Blank	Water			< 0.00100	0.00100
	*Replicate1	Water			< 0.00100	0.00100
	*Replicate2	Water			< 0.00100	0.00100
	*Replicate3	Water			< 0.00100	0.00100
	*Replicate4	Water			< 0.00100	0.00100
Selenium						
	AN1-C-S-09	Sediments	0.835	0.125	0.349	0.0522
	AN10-C-S-09	Sediments	1.08	0.595	0.108	0.0595
	AN11-C-S-09	Sediments	2.23	0.122	1.08	0.0593
	AN12-C-S-09	Sediments	0.402	0.214	0.102	0.0541

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN13-C-S-09	Sediments	0.569	0.333	0.103	0.0603
	AN14-C-S-09	Sediments	0.894	0.191	0.234	0.0500
	AN15-C-S-09	Sediments	4.70	0.283	0.949	0.0572
	*AN16-C-S-09	Sediments	< 0.867	0.867	< 0.0603	0.0603
	AN17-C-S-09	Sediments	2.38	0.213	0.643	0.0575
	AN2-C-S-09	Sediments	1.06	0.211	0.266	0.0530
	AN3-C-S-09	Sediments	0.478	0.153	0.182	0.0581
	AN4-C-S-09	Sediments	0.798	0.0850	0.511	0.0544
	AN5-C-S-09	Sediments	0.439	0.230	0.124	0.0649
	AN6-C-S-09	Sediments	0.763	0.203	0.189	0.0503
	AN7-C-S-09	Sediments	0.564	0.204	0.175	0.0632
	AN8-C-S-09	Sediments	2.87	0.283	0.502	0.0495
	AN9-C-S-09	Sediments	0.720	0.717	0.0490	0.0488
	AN1-1-W-09	Water			0.00100	0.00100
	AN1-2-W-09	Water			0.00100	0.00100
	*AN1-3-W-09	Water			< 0.00100	0.00100
	*AN1-4-W-09	Water			< 0.00100	0.00100
	*AN10-1-W-09	Water			< 0.00100	0.00100
	AN10-2-W-09	Water			0.00100	0.00100
	AN11-1-W-09	Water			0.00200	0.00100
	*AN12-1-W-09	Water			< 0.00100	0.00100
	*AN13-1-W-09	Water			< 0.00100	0.00100
	*AN14-1-W-09	Water			< 0.00100	0.00100
	*AN15-1-W-09	Water			< 0.00100	0.00100
	*AN16-1-W-09	Water			< 0.00100	0.00100
	*AN17-1-W-09	Water			< 0.00100	0.00100
	*AN2-1-W-09	Water			< 0.00100	0.00100
	*AN2-2-W-09	Water			< 0.00100	0.00100
	AN2-3-W-09	Water			0.00100	0.00100

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*AN2-4-W-09	Water			< 0.00100	0.00100
	*AN3-1-W-09	Water			< 0.00100	0.00100
	*AN3-2-W-09	Water			< 0.00100	0.00100
	*AN3-3-W-09	Water			< 0.00100	0.00100
	AN3-4-W-09	Water			0.00100	0.00100
	*AN4-1-W-09	Water			< 0.00100	0.00100
	*AN4-2-W-09	Water			< 0.00100	0.00100
	AN4-3-W-09	Water			0.00200	0.00100
	*AN4-4-W-09	Water			< 0.00100	0.00100
	*AN5-1-W-09	Water			< 0.00100	0.00100
	*AN5-2-W-09	Water			< 0.00100	0.00100
	*AN5-3-W-09	Water			< 0.00100	0.00100
	*AN5-4-W-09	Water			< 0.00100	0.00100
	*AN6-1-W-09	Water			< 0.00100	0.00100
	*AN6-2-W-09	Water			< 0.00100	0.00100
	*AN6-3-W-09	Water			< 0.00100	0.00100
	*AN7-1-W-09	Water			< 0.00100	0.00100
	AN7-2-W-09	Water			0.00100	0.00100
	*AN7-3-W-09	Water			< 0.00100	0.00100
	*AN8-1-W-09	Water			< 0.00100	0.00100
	*AN8-2-W-09	Water			< 0.00100	0.00100
	*AN9-1-W-09	Water			< 0.00100	0.00100
	*Blank	Water			< 0.00100	0.00100
	*Replicate1	Water			< 0.00100	0.00100
	*Replicate2	Water			< 0.00100	0.00100
	*Replicate3	Water			< 0.00100	0.00100
	*Replicate4	Water			< 0.00100	0.00100
Strontium						
	AN1-C-S-09	Sediments	98.0	0.0630	41.0	0.0263

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN10-C-S-09	Sediments	69.8	0.298	6.98	0.0298
	AN11-C-S-09	Sediments	52.6	0.0610	25.6	0.0296
	AN12-C-S-09	Sediments	57.3	0.107	14.5	0.0271
	AN13-C-S-09	Sediments	88.4	0.166	16.0	0.0300
	AN14-C-S-09	Sediments	74.5	0.0950	19.5	0.0249
	AN15-C-S-09	Sediments	126	0.141	25.5	0.0285
	AN16-C-S-09	Sediments	51.4	0.433	3.57	0.0301
	AN17-C-S-09	Sediments	91.8	0.106	24.8	0.0286
	AN2-C-S-09	Sediments	73.5	0.105	18.4	0.0264
	AN3-C-S-09	Sediments	49.2	0.0770	18.7	0.0293
	AN4-C-S-09	Sediments	39.2	0.0420	25.1	0.0269
	AN5-C-S-09	Sediments	86.9	0.115	24.5	0.0324
	AN6-C-S-09	Sediments	51.7	0.101	12.8	0.0250
	AN7-C-S-09	Sediments	56.1	0.102	17.4	0.0316
	AN8-C-S-09	Sediments	118	0.141	20.6	0.0247
	AN9-C-S-09	Sediments	37.9	0.359	2.58	0.0244
	AN1-1-W-09	Water			0.191	0.000500
	AN1-2-W-09	Water			0.192	0.000500
	AN1-3-W-09	Water			0.216	0.000500
	AN1-4-W-09	Water			0.187	0.000500
	AN10-1-W-09	Water			0.0306	0.000500
	AN10-2-W-09	Water			0.130	0.000500
	AN11-1-W-09	Water			0.185	0.000500
	AN12-1-W-09	Water			0.0181	0.000500
	AN13-1-W-09	Water			0.151	0.000500
	AN14-1-W-09	Water			0.134	0.000500
	AN15-1-W-09	Water			0.104	0.000500
	AN16-1-W-09	Water			0.0218	0.000500
	AN17-1-W-09	Water			0.127	0.000500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	AN2-1-W-09	Water			0.395	0.000500
	AN2-2-W-09	Water			0.438	0.000500
	AN2-3-W-09	Water			0.398	0.000500
	AN2-4-W-09	Water			0.374	0.000500
	AN3-1-W-09	Water			0.351	0.000500
	AN3-2-W-09	Water			0.388	0.000500
	AN3-3-W-09	Water			0.329	0.000500
	AN3-4-W-09	Water			0.310	0.000500
	AN4-1-W-09	Water			0.215	0.000500
	AN4-2-W-09	Water			0.221	0.000500
	AN4-3-W-09	Water			0.224	0.000500
	AN4-4-W-09	Water			0.227	0.000500
	AN5-1-W-09	Water			0.410	0.000500
	AN5-2-W-09	Water			0.419	0.000500
	AN5-3-W-09	Water			0.394	0.000500
	AN5-4-W-09	Water			0.385	0.000500
	AN6-1-W-09	Water			0.334	0.000500
	AN6-2-W-09	Water			0.382	0.000500
	AN6-3-W-09	Water			0.322	0.000500
	AN7-1-W-09	Water			0.252	0.000500
	AN7-2-W-09	Water			0.448	0.000500
	AN7-3-W-09	Water			0.230	0.000500
	AN8-1-W-09	Water			0.214	0.000500
	AN8-2-W-09	Water			0.252	0.000500
	AN9-1-W-09	Water			0.0118	0.000500
	*Blank	Water			< 0.000500	0.000500
	Replicate1	Water			0.202	0.000500
	Replicate2	Water			0.407	0.000500
	Replicate3	Water			0.395	0.000500

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	Replicate4	Water			0.331	0.000500
Vanadium						
	AN1-C-S-09	Sediments	57.0	0.125	23.8	0.0522
	AN10-C-S-09	Sediments	31.9	0.595	3.19	0.0595
	AN11-C-S-09	Sediments	49.7	0.122	24.2	0.0593
	AN12-C-S-09	Sediments	22.1	0.214	5.59	0.0541
	AN13-C-S-09	Sediments	42.6	0.333	7.71	0.0603
	AN14-C-S-09	Sediments	63.3	0.191	16.6	0.0500
	AN15-C-S-09	Sediments	30.5	0.283	6.16	0.0572
	AN16-C-S-09	Sediments	16.8	0.867	1.17	0.0603
	AN17-C-S-09	Sediments	45.8	0.213	12.4	0.0575
	AN2-C-S-09	Sediments	55.4	0.211	13.9	0.0530
	AN3-C-S-09	Sediments	65.2	0.153	24.8	0.0581
	AN4-C-S-09	Sediments	58.1	0.0850	37.2	0.0544
	AN5-C-S-09	Sediments	44.8	0.230	12.6	0.0649
	AN6-C-S-09	Sediments	63.5	0.203	15.7	0.0503
	AN7-C-S-09	Sediments	55.9	0.204	17.3	0.0632
	AN8-C-S-09	Sediments	21.5	0.283	3.76	0.0495
	AN9-C-S-09	Sediments	26.8	0.717	1.82	0.0488
	AN1-1-W-09	Water			0.00200	0.00100
	AN1-2-W-09	Water			0.00200	0.00100
	*AN1-3-W-09	Water			< 0.00100	0.00100
	*AN1-4-W-09	Water			< 0.00100	0.00100
	*AN10-1-W-09	Water			< 0.00100	0.00100
	AN10-2-W-09	Water			0.00300	0.00100
	AN11-1-W-09	Water			0.00200	0.00100
	AN12-1-W-09	Water			0.00200	0.00100
	*AN13-1-W-09	Water			< 0.00100	0.00100
	*AN14-1-W-09	Water			< 0.00100	0.00100

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*AN15-1-W-09	Water			< 0.00100	0.00100
	*AN16-1-W-09	Water			< 0.00100	0.00100
	*AN17-1-W-09	Water			< 0.00100	0.00100
	AN2-1-W-09	Water			0.00100	0.00100
	AN2-2-W-09	Water			0.00100	0.00100
	*AN2-3-W-09	Water			< 0.00100	0.00100
	*AN2-4-W-09	Water			< 0.00100	0.00100
	AN3-1-W-09	Water			0.00200	0.00100
	AN3-2-W-09	Water			0.00200	0.00100
	AN3-3-W-09	Water			0.00200	0.00100
	AN3-4-W-09	Water			0.00400	0.00100
	*AN4-1-W-09	Water			< 0.00100	0.00100
	*AN4-2-W-09	Water			< 0.00100	0.00100
	AN4-3-W-09	Water			0.00200	0.00100
	*AN4-4-W-09	Water			< 0.00100	0.00100
	*AN5-1-W-09	Water			< 0.00100	0.00100
	AN5-2-W-09	Water			0.00100	0.00100
	AN5-3-W-09	Water			0.00100	0.00100
	AN5-4-W-09	Water			0.00100	0.00100
	*AN6-1-W-09	Water			< 0.00100	0.00100
	*AN6-2-W-09	Water			< 0.00100	0.00100
	*AN6-3-W-09	Water			< 0.00100	0.00100
	AN7-1-W-09	Water			0.00200	0.00100
	*AN7-2-W-09	Water			< 0.00100	0.00100
	AN7-3-W-09	Water			0.00200	0.00100
	*AN8-1-W-09	Water			< 0.00100	0.00100
	*AN8-2-W-09	Water			< 0.00100	0.00100
	AN9-1-W-09	Water			0.00200	0.00100
	*Blank	Water			< 0.00100	0.00100

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	Replicate1	Water			0.00100	0.00100
	Replicate2	Water			0.00100	0.00100
	*Replicate3	Water			< 0.00100	0.00100
	Replicate4	Water			0.00200	0.00100
Zinc						
	AN1-C-S-09	Sediments	56.1	1.25	23.4	0.522
	AN10-C-S-09	Sediments	536	5.95	53.6	0.595
	AN11-C-S-09	Sediments	50.8	1.22	24.7	0.593
	AN12-C-S-09	Sediments	77.7	2.14	19.7	0.541
	AN13-C-S-09	Sediments	121	3.33	21.9	0.603
	AN14-C-S-09	Sediments	210.	1.91	55.0	0.500
	AN15-C-S-09	Sediments	29.0	2.83	5.86	0.572
	AN16-C-S-09	Sediments	29.8	8.67	2.07	0.603
	AN17-C-S-09	Sediments	69.5	2.13	18.8	0.575
	AN2-C-S-09	Sediments	237	2.11	59.5	0.530
	AN3-C-S-09	Sediments	551	1.53	209	0.581
	AN4-C-S-09	Sediments	89.7	0.849	57.4	0.543
	AN5-C-S-09	Sediments	172	2.30	48.5	0.649
	AN6-C-S-09	Sediments	217	2.03	53.8	0.503
	AN7-C-S-09	Sediments	76.9	2.04	23.8	0.632
	AN8-C-S-09	Sediments	28.7	2.83	5.02	0.495
	AN9-C-S-09	Sediments	109	7.17	7.41	0.488
	AN1-1-W-09	Water			0.0260	0.0100
	AN1-2-W-09	Water			0.0810	0.0100
	AN1-3-W-09	Water			0.0150	0.0100
	AN1-4-W-09	Water			0.0210	0.0100
	AN10-1-W-09	Water			0.0120	0.0100
	AN10-2-W-09	Water			0.140	0.0100
	*AN11-1-W-09	Water			< 0.0100	0.0100

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*AN12-1-W-09	Water			< 0.0100	0.0100
	*AN13-1-W-09	Water			< 0.0100	0.0100
	*AN14-1-W-09	Water			< 0.0100	0.0100
	*AN15-1-W-09	Water			< 0.0100	0.0100
	*AN16-1-W-09	Water			< 0.0100	0.0100
	*AN17-1-W-09	Water			< 0.0100	0.0100
	AN2-1-W-09	Water			0.0160	0.0100
	AN2-2-W-09	Water			0.0230	0.0100
	AN2-3-W-09	Water			0.0230	0.0100
	AN2-4-W-09	Water			0.0160	0.0100
	AN3-1-W-09	Water			0.0490	0.0100
	AN3-2-W-09	Water			0.0590	0.0100
	AN3-3-W-09	Water			0.0460	0.0100
	AN3-4-W-09	Water			0.0410	0.0100
	*AN4-1-W-09	Water			< 0.0100	0.0100
	AN4-2-W-09	Water			0.0110	0.0100
	*AN4-3-W-09	Water			< 0.0100	0.0100
	*AN4-4-W-09	Water			< 0.0100	0.0100
	AN5-1-W-09	Water			0.0160	0.0100
	AN5-2-W-09	Water			0.0180	0.0100
	AN5-3-W-09	Water			0.0180	0.0100
	AN5-4-W-09	Water			0.0160	0.0100
	*AN6-1-W-09	Water			< 0.0100	0.0100
	*AN6-2-W-09	Water			< 0.0100	0.0100
	*AN6-3-W-09	Water			< 0.0100	0.0100
	AN7-1-W-09	Water			0.0250	0.0100
	AN7-2-W-09	Water			0.0320	0.0100
	AN7-3-W-09	Water			0.0210	0.0100
	*AN8-1-W-09	Water			< 0.0100	0.0100

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*AN8-2-W-09	Water			< 0.0100	0.0100
	*AN9-1-W-09	Water			< 0.0100	0.0100
	*Blank	Water			< 0.0100	0.0100
	*Replicate1	Water			< 0.0100	0.0100
	Replicate2	Water			0.0160	0.0100
	*Replicate3	Water			< 0.0100	0.0100
	Replicate4	Water			0.0430	0.0100

* See "Laboratory Notes" section.

5. Procedural Blanks

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
Aluminum					
	*WG387045-1	Water	0.0500	< 0.0500	Wet
	*WG387117-1	Soil/Sediment	10.0	< 10.0	Wet
	*WG387642-1	Water	0.0500	< 0.0500	Wet
	*WG387644-1	Water	0.0500	< 0.0500	Wet
Arsenic					
	*WG387045-1	Water	0.000500	< 0.000500	Wet
	*WG387117-1	Soil/Sediment	0.0500	< 0.0500	Wet
	*WG387642-1	Water	0.000500	< 0.000500	Wet
	*WG387644-1	Water	0.000500	< 0.000500	Wet
Boron					
	*WG387045-1	Water	0.0100	< 0.0100	Wet
	*WG387117-1	Soil/Sediment	0.500	< 0.500	Wet
	*WG387642-1	Water	0.0100	< 0.0100	Wet
	*WG387644-1	Water	0.0100	< 0.0100	Wet
Barium					
	*WG387045-1	Water	0.000500	< 0.000500	Wet
	*WG387117-1	Soil/Sediment	0.100	< 0.100	Wet
	*WG387642-1	Water	0.000500	< 0.000500	Wet
	*WG387644-1	Water	0.000500	< 0.000500	Wet
Beryllium					
	*WG387045-1	Water	0.000500	< 0.000500	Wet
	*WG387117-1	Soil/Sediment	0.0500	< 0.0500	Wet
	*WG387642-1	Water	0.000500	< 0.000500	Wet
	*WG387644-1	Water	0.000500	< 0.000500	Wet
Cadmium					
	*WG387045-1	Water	0.000500	< 0.000500	Wet
	*WG387117-1	Soil/Sediment	0.0500	< 0.0500	Wet
	*WG387642-1	Water	0.000500	< 0.000500	Wet
	*WG387644-1	Water	0.000500	< 0.000500	Wet

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
Chromium					
	*WG387045-1	Water	0.00100	< 0.00100	Wet
	*WG387117-1	Soil/Sediment	0.200	< 0.200	Wet
	*WG387642-1	Water	0.00100	< 0.00100	Wet
	*WG387644-1	Water	0.00100	< 0.00100	Wet
Copper					
	*WG387045-1	Water	0.00100	< 0.00100	Wet
	*WG387117-1	Soil/Sediment	0.100	< 0.100	Wet
	*WG387642-1	Water	0.00100	< 0.00100	Wet
	*WG387644-1	Water	0.00100	< 0.00100	Wet
Iron					
	*WG387045-1	Water	0.0500	< 0.0500	Wet
	*WG387117-1	Soil/Sediment	20.0	< 20.0	Wet
	*WG387642-1	Water	0.0500	< 0.0500	Wet
	*WG387644-1	Water	0.0500	< 0.0500	Wet
Mercury					
	*WG387052-1	Water	0.0000500	< 0.0000500	Wet
	*WG387118-1	Soil/Sediment	0.0130	< 0.0130	Wet
	*WG387643-1	Water	0.0000500	< 0.0000500	Wet
	*WG387646-1	Water	0.0000500	< 0.0000500	Wet
Potassium					
	*WG387045-1	Water	0.200	< 0.200	Wet
	*WG387117-1	Soil/Sediment	10.0	< 10.0	Wet
	*WG387642-1	Water	0.200	< 0.200	Wet
	*WG387644-1	Water	0.200	< 0.200	Wet
Magnesium					
	*WG387045-1	Water	0.0500	< 0.0500	Wet
	*WG387117-1	Soil/Sediment	10.0	< 10.0	Wet
	*WG387642-1	Water	0.0500	< 0.0500	Wet
	*WG387644-1	Water	0.0500	< 0.0500	Wet
Manganese					
	*WG387045-1	Water	0.000500	< 0.000500	Wet
	*WG387117-1	Soil/Sediment	0.200	< 0.200	Wet

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
	*WG387642-1	Water	0.000500	< 0.000500	Wet
	*WG387644-1	Water	0.000500	< 0.000500	Wet
Molybdenum					
	*WG387045-1	Water	0.000500	< 0.000500	Wet
	*WG387117-1	Soil/Sediment	0.0500	< 0.0500	Wet
	*WG387642-1	Water	0.000500	< 0.000500	Wet
	*WG387644-1	Water	0.000500	< 0.000500	Wet
Sodium					
	*WG387045-1	Water	0.100	< 0.100	Wet
	*WG387117-1	Soil/Sediment	10.0	< 10.0	Wet
	*WG387642-1	Water	0.100	< 0.100	Wet
	*WG387644-1	Water	0.100	< 0.100	Wet
Nickel					
	*WG387045-1	Water	0.000500	< 0.000500	Wet
	*WG387117-1	Soil/Sediment	0.100	< 0.100	Wet
	*WG387642-1	Water	0.000500	< 0.000500	Wet
	*WG387644-1	Water	0.000500	< 0.000500	Wet
Lead					
	*WG387045-1	Water	0.00100	< 0.00100	Wet
	*WG387117-1	Soil/Sediment	0.0500	< 0.0500	Wet
	*WG387642-1	Water	0.00100	< 0.00100	Wet
	*WG387644-1	Water	0.00100	< 0.00100	Wet
Selenium					
	*WG387045-1	Water	0.00100	< 0.00100	Wet
	*WG387117-1	Soil/Sediment	0.100	< 0.100	Wet
	*WG387642-1	Water	0.00100	< 0.00100	Wet
	*WG387644-1	Water	0.00100	< 0.00100	Wet
Strontium					
	*WG387045-1	Water	0.000500	< 0.000500	Wet
	*WG387117-1	Soil/Sediment	0.0500	< 0.0500	Wet
	*WG387642-1	Water	0.000500	< 0.000500	Wet
	*WG387644-1	Water	0.000500	< 0.000500	Wet
Tot. Organic Carbon					

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
	*WG385837-1	Soil/Sediment	0.0100	< 0.01	Percent
Vanadium					
	*WG387045-1	Water	0.00100	< 0.00100	Wet
	*WG387117-1	Soil/Sediment	0.100	< 0.100	Wet
	*WG387642-1	Water	0.00100	< 0.00100	Wet
	*WG387644-1	Water	0.00100	< 0.00100	Wet
Zinc					
	*WG387045-1	Water	0.0100	< 0.0100	Wet
	*WG387117-1	Soil/Sediment	1.00	< 1.00	Wet
	*WG387642-1	Water	0.0100	< 0.0100	Wet
	*WG387644-1	Water	0.0100	< 0.0100	Wet

* See "Laboratory Notes" section.** Blank Equivalent Concentration

6. Duplicates

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
% Moisture							
	AN4-C-S-09	Sediments	Percent	36.0	38.2	37.1	5.93
Aluminum							
	AN1-C-S-09	Sediments	Dry	17200	18100	17600	5.10
	AN1-1-W-09	Water	Wet	0.134	0.131	0.132	2.26
	AN10-2-W-09	Water	Wet	0.143	0.144	0.144	0.700
	AN3-4-W-09	Water	Wet	0.330	0.332	0.331	0.600
Arsenic							
	AN1-C-S-09	Sediments	Dry	40.7	43.7	42.2	7.11
	AN1-1-W-09	Water	Wet	0.00180	0.00120	0.00150	40.0
	AN10-2-W-09	Water	Wet	0.00380	0.00280	0.00330	30.3
	AN3-4-W-09	Water	Wet	0.00250	0.00200	0.00225	22.2
Boron							
	AN1-C-S-09	Sediments	Dry	8.56	9.84	9.20	13.9
	AN1-1-W-09	Water	Wet	0.0330	0.0310	0.0320	6.25
	AN10-2-W-09	Water	Wet	0.0190	0.0160	0.0175	17.1
	AN3-4-W-09	Water	Wet	0.0470	0.0460	0.0465	2.15
Barium							
	AN1-C-S-09	Sediments	Dry	134	129	132	3.80
	AN1-1-W-09	Water	Wet	0.0276	0.0281	0.0278	1.80
	AN10-2-W-09	Water	Wet	0.0368	0.0342	0.0355	7.32
	AN3-4-W-09	Water	Wet	0.0741	0.0741	0.0741	0.000
Beryllium							
	AN1-C-S-09	Sediments	Dry	0.452	0.406	0.429	10.7
	AN1-1-W-09	Water	Wet	< 0.000500	< 0.000500	0.000250	0.000
	AN10-2-W-09	Water	Wet	< 0.000500	< 0.000500	0.000250	0.000
	AN3-4-W-09	Water	Wet	< 0.000500	< 0.000500	0.000250	0.000
Cadmium							
	AN1-C-S-09	Sediments	Dry	0.330	0.223	0.276	38.7
	AN1-1-W-09	Water	Wet	< 0.000500	< 0.000500	0.000250	0.000

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
	AN10-2-W-09	Water	Wet	< 0.000500	< 0.000500	0.000250	0.000
	AN3-4-W-09	Water	Wet	< 0.000500	< 0.000500	0.000250	0.000
Chromium							
	AN1-C-S-09	Sediments	Dry	31.6	36.4	34.0	14.1
	AN1-1-W-09	Water	Wet	0.00200	0.00200	0.00200	0.000
	AN10-2-W-09	Water	Wet	0.00200	0.00100	0.00150	66.7
	AN3-4-W-09	Water	Wet	0.00200	0.00200	0.00200	0.000
Copper							
	AN1-C-S-09	Sediments	Dry	30.8	30.8	30.8	0.000
	AN1-1-W-09	Water	Wet	0.00200	0.00200	0.00200	0.000
	AN10-2-W-09	Water	Wet	0.00400	0.00300	0.00350	28.6
	AN3-4-W-09	Water	Wet	0.00300	0.00300	0.00300	0.000
Iron							
	AN1-C-S-09	Sediments	Dry	30200	31500	30800	4.21
	AN1-1-W-09	Water	Wet	1.13	1.13	1.13	0.000
	AN10-2-W-09	Water	Wet	4.87	4.73	4.80	2.92
	AN3-4-W-09	Water	Wet	3.96	4.05	4.00	2.25
Mercury							
	AN1-C-S-09	Sediments	Dry	0.0950	0.0920	0.0935	3.21
	AN1-1-W-09	Water	Wet	< 0.0000500	< 0.0000500	0.0000250	0.000
	AN10-2-W-09	Water	Wet	< 0.0000500	< 0.0000500	0.0000250	0.000
	AN3-4-W-09	Water	Wet	< 0.0000500	< 0.0000500	0.0000250	0.000
Potassium							
	AN1-C-S-09	Sediments	Dry	713	752	732	5.32
	AN1-1-W-09	Water	Wet	1.34	1.31	1.33	2.26
	AN10-2-W-09	Water	Wet	3.58	3.53	3.55	1.41
	AN3-4-W-09	Water	Wet	2.32	2.27	2.30	2.18
Magnesium							
	AN1-C-S-09	Sediments	Dry	8200	9010	8600	9.41
	AN1-1-W-09	Water	Wet	5.91	5.84	5.88	1.19
	AN10-2-W-09	Water	Wet	4.44	4.50	4.47	1.34
	AN3-4-W-09	Water	Wet	12.3	13.0	12.6	5.53

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
Manganese							
	AN1-C-S-09	Sediments	Dry	929	929	929	0.000
	AN1-1-W-09	Water	Wet	0.256	0.267	0.261	4.36
	AN10-2-W-09	Water	Wet	0.750	0.758	0.754	1.07
	AN3-4-W-09	Water	Wet	0.983	1.01	0.995	2.27
Molybdenum							
	AN1-C-S-09	Sediments	Dry	2.79	1.86	2.32	40.0
	AN1-1-W-09	Water	Wet	0.00200	0.000800	0.00140	85.7
	AN10-2-W-09	Water	Wet	0.00210	< 0.000500	0.00117	157
	AN3-4-W-09	Water	Wet	0.00210	0.000900	0.00150	80.0
Sodium							
	AN1-C-S-09	Sediments	Dry	428	349	388	20.3
	AN1-1-W-09	Water	Wet	4.48	4.56	4.52	1.77
	AN10-2-W-09	Water	Wet	8.11	7.96	8.04	1.87
	AN3-4-W-09	Water	Wet	14.8	14.9	14.9	0.670
Nickel							
	AN1-C-S-09	Sediments	Dry	34.7	35.7	35.2	2.84
	AN1-1-W-09	Water	Wet	0.00240	0.00200	0.00220	18.2
	AN10-2-W-09	Water	Wet	0.00590	0.00520	0.00555	12.6
	AN3-4-W-09	Water	Wet	0.00480	0.00450	0.00465	6.45
Lead							
	AN1-C-S-09	Sediments	Dry	5.84	6.02	5.93	3.04
	AN1-1-W-09	Water	Wet	< 0.00100	< 0.00100	0.000500	0.000
	AN10-2-W-09	Water	Wet	0.00100	< 0.00100	0.000750	66.7
	AN3-4-W-09	Water	Wet	0.00100	< 0.00100	0.000750	66.7
Selenium							
	AN1-C-S-09	Sediments	Dry	0.835	0.655	0.745	24.2
	AN1-1-W-09	Water	Wet	0.00100	< 0.00100	0.000750	66.7
	AN10-2-W-09	Water	Wet	0.00100	< 0.00100	0.000750	66.7
	AN3-4-W-09	Water	Wet	0.00100	< 0.00100	0.000750	66.7
Strontium							
	AN1-C-S-09	Sediments	Dry	98.0	88.1	93.0	10.6

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
	AN1-1-W-09	Water	Wet	0.191	0.193	0.192	0.680
	AN10-2-W-09	Water	Wet	0.130	0.125	0.128	3.91
	AN3-4-W-09	Water	Wet	0.310	0.319	0.315	2.99
Vanadium							
	AN1-C-S-09	Sediments	Dry	57.0	61.1	59.0	6.94
	AN1-1-W-09	Water	Wet	0.00200	0.00100	0.00150	66.7
	AN10-2-W-09	Water	Wet	0.00300	0.00200	0.00250	40.0
	AN3-4-W-09	Water	Wet	0.00400	0.00300	0.00350	28.6
Zinc							
	AN1-C-S-09	Sediments	Dry	56.1	59.0	57.6	5.04
	AN1-1-W-09	Water	Wet	0.0260	0.0250	0.0255	3.92
	AN10-2-W-09	Water	Wet	0.140	0.136	0.138	2.90
	AN3-4-W-09	Water	Wet	0.0410	0.0410	0.0410	0.000

* See "Laboratory Notes" section.

7. Spike Recoveries

Analyte	Sample Number	**	Sample Matrix	Basis	Spike Level (ppm/%)	Amount Recovered (ppm/%)	*** Spike Background	Percent Recovery
Aluminum								
	*AN1-C-S-09		Sediments	Dry	1230	1600	0.0700	130.
	AN1-1-W-09		Water	Wet	5.00	4.44	37.3	88.7
	AN10-2-W-09		Water	Wet	5.00	4.59	35.0	91.7
	AN3-4-W-09		Water	Wet	5.00	4.28	15.2	85.6
	WG387045-2	SB	Water	Wet	5.00	4.64		92.8
	WG387117-2	SB	Soil/Sediment	Wet	1000	958		95.8
	WG387642-2	SB	Water	Wet	5.00	4.78		95.6
	WG387644-2	SB	Water	Wet	5.00	4.42		88.4
Arsenic								
	AN1-C-S-09		Sediments	Dry	245	300.	6.02	123
	AN1-1-W-09		Water	Wet	1.00	1.06	556	106
	AN10-2-W-09		Water	Wet	1.00	1.03	263	103
	AN3-4-W-09		Water	Wet	1.00	0.987	400.	98.7
	WG387045-2	SB	Water	Wet	1.00	1.02		102
	WG387117-2	SB	Soil/Sediment	Wet	200.	215		108
	WG387642-2	SB	Water	Wet	1.00	0.982		98.2
	WG387644-2	SB	Water	Wet	1.00	0.960		96.0
Boron								
	AN1-C-S-09		Sediments	Dry	245	241	28.6	98.6
	AN1-1-W-09		Water	Wet	1.00	0.987	30.3	98.7
	AN10-2-W-09		Water	Wet	1.00	0.924	52.6	92.4
	AN3-4-W-09		Water	Wet	1.00	0.835	21.3	83.5
	WG387045-2	SB	Water	Wet	1.00	0.961		96.1
	WG387117-2	SB	Soil/Sediment	Wet	200.	194		97.0
	WG387642-2	SB	Water	Wet	1.00	0.912		91.2
	WG387644-2	SB	Water	Wet	1.00	0.849		84.9
Barium								
	AN1-C-S-09		Sediments	Dry	245	206	1.83	84.1

Analyte	Sample Number	**	Sample Matrix	Basis	Spike Level (ppm/%)	Amount Recovered (ppm/%)	*** Spike Background	Percent Recovery
	AN1-1-W-09		Water	Wet	1.00	0.954	36.2	95.4
	AN10-2-W-09		Water	Wet	1.00	0.965	27.2	96.5
	AN3-4-W-09		Water	Wet	1.00	0.921	13.5	92.1
	WG387045-2	SB	Water	Wet	1.00	0.949		94.9
	WG387117-2	SB	Soil/Sediment	Wet	200.	199		99.5
	WG387642-2	SB	Water	Wet	1.00	0.940		94.0
	WG387644-2	SB	Water	Wet	1.00	0.910		91.0
Beryllium								
	AN1-C-S-09		Sediments	Dry	123	128	272	104
	AN1-1-W-09		Water	Wet	0.500	0.486	2000	97.2
	AN10-2-W-09		Water	Wet	0.500	0.456	2000	91.2
	AN3-4-W-09		Water	Wet	0.500	0.437	2000	87.3
	WG387045-2	SB	Water	Wet	0.500	0.476		95.3
	WG387117-2	SB	Soil/Sediment	Wet	100.	99.3		99.3
	WG387642-2	SB	Water	Wet	0.500	0.458		91.6
	WG387644-2	SB	Water	Wet	0.500	0.429		85.8
Cadmium								
	AN1-C-S-09		Sediments	Dry	123	122	373	98.9
	AN1-1-W-09		Water	Wet	0.500	0.510	2000	102
	AN10-2-W-09		Water	Wet	0.500	0.510	2000	102
	AN3-4-W-09		Water	Wet	0.500	0.511	2000	102
	WG387045-2	SB	Water	Wet	0.500	0.505		101
	WG387117-2	SB	Soil/Sediment	Wet	100.	104		104
	WG387642-2	SB	Water	Wet	0.500	0.501		100.
	WG387644-2	SB	Water	Wet	0.500	0.497		99.4
Chromium								
	AN1-C-S-09		Sediments	Dry	245	264	7.75	108
	AN1-1-W-09		Water	Wet	1.00	1.03	500.	103
	AN10-2-W-09		Water	Wet	1.00	1.05	500.	105
	AN3-4-W-09		Water	Wet	1.00	1.03	500.	103
	WG387045-2	SB	Water	Wet	1.00	1.01		101
	WG387117-2	SB	Soil/Sediment	Wet	200.	212		106

Analyte	Sample Number	**	Sample Matrix	Basis	Spike Level (ppm/%)	Amount Recovered (ppm/%)	*** Spike Background	Percent Recovery
	WG387642-2	SB	Water	Wet	1.00	0.978		97.8
	WG387644-2	SB	Water	Wet	1.00	1.03		103
Copper								
	AN1-C-S-09		Sediments	Dry	245	213	7.95	87.0
	AN1-1-W-09		Water	Wet	1.00	0.946	500.	94.6
	AN10-2-W-09		Water	Wet	1.00	0.948	250.	94.8
	AN3-4-W-09		Water	Wet	1.00	0.948	333	94.8
	WG387045-2	SB	Water	Wet	1.00	0.949		94.9
	WG387117-2	SB	Soil/Sediment	Wet	200.	188		94.0
	WG387642-2	SB	Water	Wet	1.00	0.937		93.7
	WG387644-2	SB	Water	Wet	1.00	0.963		96.3
Iron								
	*AN1-C-S-09		Sediments	Dry	1230	1700	0.0400	138
	AN1-1-W-09		Water	Wet	5.00	4.78	4.42	95.6
	AN10-2-W-09		Water	Wet	5.00	4.53	1.03	90.6
	AN3-4-W-09		Water	Wet	5.00	4.81	1.26	96.2
	WG387045-2	SB	Water	Wet	5.00	4.61		92.2
	WG387117-2	SB	Soil/Sediment	Wet	1000	904		90.4
	WG387642-2	SB	Water	Wet	5.00	4.22		84.4
	WG387644-2	SB	Water	Wet	5.00	4.52		90.4
Mercury								
	AN1-C-S-09		Sediments	Dry	2.88	3.36	30.3	117
	AN1-1-W-09		Water	Wet	0.00500	0.00481	200.	96.3
	AN10-2-W-09		Water	Wet	0.00500	0.00492	200.	98.5
	AN3-4-W-09		Water	Wet	0.00500	0.00448	200.	89.6
	WG387052-2	SB	Water	Wet	0.00500	0.00502		100.
	WG387118-2	SB	Soil/Sediment	Wet	1.25	1.27		102
	WG387643-2	SB	Water	Wet	0.00500	0.00505		101
	WG387646-2	SB	Water	Wet	0.00500	0.00472		94.3
Potassium								
	AN1-C-S-09		Sediments	Dry	1230	1030	1.73	83.5
	AN1-1-W-09		Water	Wet	5.00	4.90	3.73	98.0

Analyte	Sample Number	**	Sample Matrix	Basis	Spike Level (ppm/%)	Amount Recovered (ppm/%)	*** Spike Background	Percent Recovery
	AN10-2-W-09		Water	Wet	5.00	4.93	1.40	98.6
	AN3-4-W-09		Water	Wet	5.00	5.10	2.16	102
	WG387045-2	SB	Water	Wet	5.00	4.93		98.6
	WG387117-2	SB	Soil/Sediment	Wet	1000	936		93.6
	WG387642-2	SB	Water	Wet	5.00	5.06		101
	WG387644-2	SB	Water	Wet	5.00	5.02		100.
Magnesium								
	AN1-C-S-09		Sediments	Dry	1230	1160	0.150	94.3
	AN1-1-W-09		Water	Wet	5.00	4.49	0.850	89.8
	AN10-2-W-09		Water	Wet	5.00	4.84	1.13	96.8
	AN3-4-W-09		Water	Wet	5.00	4.90	0.410	98.0
	WG387045-2	SB	Water	Wet	5.00	4.77		95.4
	WG387117-2	SB	Soil/Sediment	Wet	1000	986		98.6
	WG387642-2	SB	Water	Wet	5.00	5.11		102
	WG387644-2	SB	Water	Wet	5.00	4.53		90.6
Manganese								
	AN1-C-S-09		Sediments	Dry	245	211	0.260	86.1
	AN1-1-W-09		Water	Wet	1.00	1.04	3.91	104
	AN10-2-W-09		Water	Wet	1.00	1.04	1.33	104
	AN3-4-W-09		Water	Wet	1.00	1.04	1.02	104
	WG387045-2	SB	Water	Wet	1.00	1.04		104
	WG387117-2	SB	Soil/Sediment	Wet	200.	202		101
	WG387642-2	SB	Water	Wet	1.00	0.975		97.5
	WG387644-2	SB	Water	Wet	1.00	1.05		105
Molybdenum								
	AN1-C-S-09		Sediments	Dry	245	232	87.8	94.8
	AN1-1-W-09		Water	Wet	1.00	1.03	500.	103
	AN10-2-W-09		Water	Wet	1.00	1.02	476	102
	AN3-4-W-09		Water	Wet	1.00	1.06	476	106
	WG387045-2	SB	Water	Wet	1.00	1.01		101
	WG387117-2	SB	Soil/Sediment	Wet	200.	204		102
	WG387642-2	SB	Water	Wet	1.00	1.00		100.

Analyte	Sample Number	**	Sample Matrix	Basis	Spike Level (ppm/%)	Amount Recovered (ppm/%)	*** Spike Background	Percent Recovery
	WG387644-2	SB	Water	Wet	1.00	1.02		102
Sodium								
	AN1-C-S-09		Sediments	Dry	1230	1160	2.87	94.5
	AN1-1-W-09		Water	Wet	5.00	4.62	1.12	92.4
	AN10-2-W-09		Water	Wet	5.00	4.59	0.620	91.8
	*AN3-4-W-09		Water	Wet	5.00	3.70	0.340	74.0
	WG387045-2	SB	Water	Wet	5.00	4.75		95.0
	WG387117-2	SB	Soil/Sediment	Wet	1000	944		94.4
	WG387642-2	SB	Water	Wet	5.00	4.85		97.0
	WG387644-2	SB	Water	Wet	5.00	4.50		90.0
Nickel								
	AN1-C-S-09		Sediments	Dry	245	224	7.06	91.6
	AN1-1-W-09		Water	Wet	1.00	1.01	417	101
	AN10-2-W-09		Water	Wet	1.00	0.951	169	95.1
	AN3-4-W-09		Water	Wet	1.00	0.982	208	98.2
	WG387045-2	SB	Water	Wet	1.00	0.990		99.0
	WG387117-2	SB	Soil/Sediment	Wet	200.	195		97.5
	WG387642-2	SB	Water	Wet	1.00	0.952		95.2
	WG387644-2	SB	Water	Wet	1.00	0.988		98.8
Lead								
	AN1-C-S-09		Sediments	Dry	245	212	42.0	86.6
	AN1-1-W-09		Water	Wet	1.00	1.01	2000	101
	AN10-2-W-09		Water	Wet	1.00	1.02	1000	102
	AN3-4-W-09		Water	Wet	1.00	1.03	1000	103
	WG387045-2	SB	Water	Wet	1.00	1.03		103
	WG387117-2	SB	Soil/Sediment	Wet	200.	201		100.
	WG387642-2	SB	Water	Wet	1.00	1.03		103
	WG387644-2	SB	Water	Wet	1.00	1.03		103
Selenium								
	AN1-C-S-09		Sediments	Dry	245	298	293	122
	AN1-1-W-09		Water	Wet	1.00	1.06	1000	106
	AN10-2-W-09		Water	Wet	1.00	0.990	1000	99.0

Analyte	Sample Number	**	Sample Matrix	Basis	Spike Level (ppm/%)	Amount Recovered (ppm/%)	*** Spike Background	Percent Recovery
	AN3-4-W-09		Water	Wet	1.00	0.993	1000	99.3
	WG387045-2	SB	Water	Wet	1.00	0.985		98.5
	WG387117-2	SB	Soil/Sediment	Wet	200.	206		103
	WG387642-2	SB	Water	Wet	1.00	0.939		93.9
	WG387644-2	SB	Water	Wet	1.00	0.966		96.6
Strontium								
	AN1-C-S-09		Sediments	Dry	245	245	2.50	100.
	AN1-1-W-09		Water	Wet	1.00	1.07	5.22	107
	AN10-2-W-09		Water	Wet	1.00	1.02	7.67	102
	AN3-4-W-09		Water	Wet	1.00	1.05	3.23	105
	WG387045-2	SB	Water	Wet	1.00	1.02		102
	WG387117-2	SB	Soil/Sediment	Wet	200.	210.		105
	WG387642-2	SB	Water	Wet	1.00	0.964		96.4
	WG387644-2	SB	Water	Wet	1.00	1.00		100.
Vanadium								
	AN1-C-S-09		Sediments	Dry	245	237	4.30	96.7
	AN1-1-W-09		Water	Wet	1.00	1.03	500.	103
	AN10-2-W-09		Water	Wet	1.00	1.03	333	103
	AN3-4-W-09		Water	Wet	1.00	1.06	250.	106
	WG387045-2	SB	Water	Wet	1.00	0.988		98.8
	WG387117-2	SB	Soil/Sediment	Wet	200.	205		102
	WG387642-2	SB	Water	Wet	1.00	0.970		97.0
	WG387644-2	SB	Water	Wet	1.00	1.04		104
Zinc								
	AN1-C-S-09		Sediments	Dry	245	246	4.37	100.
	AN1-1-W-09		Water	Wet	1.00	0.984	38.5	98.4
	AN10-2-W-09		Water	Wet	1.00	0.950	7.14	95.0
	AN3-4-W-09		Water	Wet	1.00	0.979	24.4	97.9
	WG387045-2	SB	Water	Wet	1.00	0.990		99.0
	WG387117-2	SB	Soil/Sediment	Wet	200.	208		104
	WG387642-2	SB	Water	Wet	1.00	0.952		95.2
	WG387644-2	SB	Water	Wet	1.00	0.983		98.3

* See "Laboratory Notes" section.** SD = Spiked Duplicate Result; SB = Spike Blank Result*** For a spike to be a valid measure of method

accuracy, this ratio must be higher than 1.0.

8. Reference Materials

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
Aluminum							
	WG387117-6	ERA D061	Dry	10600	540.6	9640	90.9
Arsenic							
	WG387117-6	ERA D061	Dry	225	8.55	255	113
Boron							
	WG387117-6	ERA D061	Dry	107	9.951	127	119
Barium							
	WG387117-6	ERA D061	Dry	565	25.99	494	87.4
Beryllium							
	WG387117-6	ERA D061	Dry	162	8.748	171	106
Cadmium							
	WG387117-6	ERA D061	Dry	69.1	4.3533	68.8	99.6
Chromium							
	WG387117-6	ERA D061	Dry	124	6.696	136	110.
Copper							
	WG387117-6	ERA D061	Dry	66.7	3.5351	65.4	98.0
Iron							
	WG387117-6	ERA D061	Dry	17600	422.4	16200	92.0
Mercury							
	WG387118-6	ERA D061	Dry	5.15	1.03515	4.59	89.1
Potassium							
	WG387117-6	ERA D061	Dry	4090	179.96	3880	94.9
Magnesium							
	WG387117-6	ERA D061	Dry	4260	238.56	4160	97.6
Manganese							
	WG387117-6	ERA D061	Dry	368	17.664	368	100.
Molybdenum							
	WG387117-6	ERA D061	Dry	107	6.634	102	95.3
Sodium							

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
	WG387117-6	ERA D061	Dry	538	38.198	508	94.4
Nickel							
	WG387117-6	ERA D061	Dry	172	12.04	177	103
Lead							
	WG387117-6	ERA D061	Dry	223	8.028	186	83.4
Selenium							
	WG387117-6	ERA D061	Dry	147	5.145	162	110.
Strontium							
	WG387117-6	ERA D061	Dry	117	7.137	123	105
Tot. Organic Carbon							
	WG385837-2	NIST 1944	Percent	4.4	0.3	4.75	108
Vanadium							
	WG387117-6	ERA D061	Dry	93.9	4.1316	94.3	100.
Zinc							
	WG387117-6	ERA D061	Dry	349	20.242	370.	106

S.R.M Names

SRM ID	SRM Name
ERA D061	Metals in Soil
NIST 1944	Sediment

9. Laboratory Notes

Analyte	Sample Number	Result Modifier
Aluminum		
	AN1-3-W-09	Not Detected.
	AN1-C-S-09	Outside QC Limits.
	AN14-1-W-09	Not Detected.
	AN16-1-W-09	Not Detected.
	AN2-2-W-09	Not Detected.
	AN2-3-W-09	Not Detected.
	AN2-4-W-09	Not Detected.
	AN4-4-W-09	Not Detected.
	AN6-3-W-09	Not Detected.
	AN7-2-W-09	Not Detected.
	AN8-1-W-09	Not Detected.
	AN8-2-W-09	Not Detected.
	Blank	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Arsenic		
	AN10-1-W-09	Not Detected.
	AN15-1-W-09	Not Detected.
	AN16-1-W-09	Not Detected.
	AN17-1-W-09	Not Detected.
	AN4-1-W-09	Not Detected.
	AN4-2-W-09	Not Detected.
	AN4-4-W-09	Not Detected.
	AN8-1-W-09	Not Detected.
	AN8-2-W-09	Not Detected.

	AN9-1-W-09	Not Detected.
	Blank	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Boron		
	AN12-1-W-09	Not Detected.
	Blank	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Barium		
	Blank	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Beryllium		
	AN1-1-W-09	Not Detected.
	AN1-2-W-09	Not Detected.
	AN1-3-W-09	Not Detected.
	AN1-4-W-09	Not Detected.
	AN10-1-W-09	Not Detected.
	AN10-2-W-09	Not Detected.
	AN10-C-S-09	Not Detected.
	AN12-1-W-09	Not Detected.
	AN13-1-W-09	Not Detected.
	AN14-1-W-09	Not Detected.
	AN15-1-W-09	Not Detected.
	AN16-1-W-09	Not Detected.

	AN16-C-S-09	Not Detected.
	AN17-1-W-09	Not Detected.
	AN2-1-W-09	Not Detected.
	AN2-2-W-09	Not Detected.
	AN2-3-W-09	Not Detected.
	AN2-4-W-09	Not Detected.
	AN3-1-W-09	Not Detected.
	AN3-2-W-09	Not Detected.
	AN3-3-W-09	Not Detected.
	AN3-4-W-09	Not Detected.
	AN4-1-W-09	Not Detected.
	AN4-2-W-09	Not Detected.
	AN4-3-W-09	Not Detected.
	AN4-4-W-09	Not Detected.
	AN5-1-W-09	Not Detected.
	AN5-2-W-09	Not Detected.
	AN5-3-W-09	Not Detected.
	AN5-4-W-09	Not Detected.
	AN6-1-W-09	Not Detected.
	AN6-2-W-09	Not Detected.
	AN6-3-W-09	Not Detected.
	AN7-1-W-09	Not Detected.
	AN7-2-W-09	Not Detected.
	AN7-3-W-09	Not Detected.
	AN8-1-W-09	Not Detected.
	AN8-2-W-09	Not Detected.
	AN9-1-W-09	Not Detected.
	AN9-C-S-09	Not Detected.
	Blank	Not Detected.
	Replicate1	Not Detected.
	Replicate2	Not Detected.

	Replicate3	Not Detected.
	Replicate4	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Cadmium		
	AN1-1-W-09	Not Detected.
	AN1-2-W-09	Not Detected.
	AN1-3-W-09	Not Detected.
	AN1-4-W-09	Not Detected.
	AN10-1-W-09	Not Detected.
	AN10-2-W-09	Not Detected.
	AN11-1-W-09	Not Detected.
	AN12-1-W-09	Not Detected.
	AN13-1-W-09	Not Detected.
	AN14-1-W-09	Not Detected.
	AN15-1-W-09	Not Detected.
	AN16-1-W-09	Not Detected.
	AN16-C-S-09	Not Detected.
	AN17-1-W-09	Not Detected.
	AN2-1-W-09	Not Detected.
	AN2-2-W-09	Not Detected.
	AN2-3-W-09	Not Detected.
	AN2-4-W-09	Not Detected.
	AN3-1-W-09	Not Detected.
	AN3-2-W-09	Not Detected.
	AN3-3-W-09	Not Detected.
	AN3-4-W-09	Not Detected.
	AN4-1-W-09	Not Detected.
	AN4-2-W-09	Not Detected.

	AN4-3-W-09	Not Detected.
	AN4-4-W-09	Not Detected.
	AN5-1-W-09	Not Detected.
	AN5-2-W-09	Not Detected.
	AN5-3-W-09	Not Detected.
	AN5-4-W-09	Not Detected.
	AN6-1-W-09	Not Detected.
	AN6-2-W-09	Not Detected.
	AN6-3-W-09	Not Detected.
	AN7-1-W-09	Not Detected.
	AN7-2-W-09	Not Detected.
	AN7-3-W-09	Not Detected.
	AN8-1-W-09	Not Detected.
	AN8-2-W-09	Not Detected.
	AN9-1-W-09	Not Detected.
	Blank	Not Detected.
	Replicate1	Not Detected.
	Replicate2	Not Detected.
	Replicate3	Not Detected.
	Replicate4	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Chromium		
	AN1-3-W-09	Not Detected.
	AN10-1-W-09	Not Detected.
	AN13-1-W-09	Not Detected.
	AN14-1-W-09	Not Detected.
	AN15-1-W-09	Not Detected.
	AN16-1-W-09	Not Detected.

	AN17-1-W-09	Not Detected.
	AN2-1-W-09	Not Detected.
	AN2-2-W-09	Not Detected.
	AN2-3-W-09	Not Detected.
	AN2-4-W-09	Not Detected.
	AN4-1-W-09	Not Detected.
	AN4-2-W-09	Not Detected.
	AN4-4-W-09	Not Detected.
	AN5-1-W-09	Not Detected.
	AN5-2-W-09	Not Detected.
	AN5-4-W-09	Not Detected.
	AN6-1-W-09	Not Detected.
	AN6-2-W-09	Not Detected.
	AN6-3-W-09	Not Detected.
	AN7-2-W-09	Not Detected.
	AN8-1-W-09	Not Detected.
	AN8-2-W-09	Not Detected.
	Blank	Not Detected.
	Replicate2	Not Detected.
	Replicate3	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Copper		
	AN1-3-W-09	Not Detected.
	AN10-1-W-09	Not Detected.
	AN13-1-W-09	Not Detected.
	AN15-1-W-09	Not Detected.
	AN16-1-W-09	Not Detected.
	AN17-1-W-09	Not Detected.

	AN2-3-W-09	Not Detected.
	AN4-4-W-09	Not Detected.
	AN8-1-W-09	Not Detected.
	AN8-2-W-09	Not Detected.
	Blank	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Iron		
	AN1-C-S-09	Outside QC Limits.
	Blank	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Mercury		
	AN1-1-W-09	Not Detected.
	AN1-2-W-09	Not Detected.
	AN1-3-W-09	Not Detected.
	AN1-4-W-09	Not Detected.
	AN10-1-W-09	Not Detected.
	AN10-2-W-09	Not Detected.
	AN10-C-S-09	Not Detected.
	AN11-1-W-09	Not Detected.
	AN12-1-W-09	Not Detected.
	AN13-1-W-09	Not Detected.
	AN13-C-S-09	Not Detected.
	AN14-1-W-09	Not Detected.
	AN15-1-W-09	Not Detected.
	AN15-C-S-09	Not Detected.

	AN16-1-W-09	Not Detected.
	AN16-C-S-09	Not Detected.
	AN17-1-W-09	Not Detected.
	AN17-C-S-09	Not Detected.
	AN2-1-W-09	Not Detected.
	AN2-2-W-09	Not Detected.
	AN2-3-W-09	Not Detected.
	AN2-4-W-09	Not Detected.
	AN3-1-W-09	Not Detected.
	AN3-2-W-09	Not Detected.
	AN3-3-W-09	Not Detected.
	AN3-4-W-09	Not Detected.
	AN4-1-W-09	Not Detected.
	AN4-2-W-09	Not Detected.
	AN4-3-W-09	Not Detected.
	AN4-4-W-09	Not Detected.
	AN5-1-W-09	Not Detected.
	AN5-2-W-09	Not Detected.
	AN5-3-W-09	Not Detected.
	AN5-4-W-09	Not Detected.
	AN5-C-S-09	Not Detected.
	AN6-1-W-09	Not Detected.
	AN6-2-W-09	Not Detected.
	AN6-3-W-09	Not Detected.
	AN7-1-W-09	Not Detected.
	AN7-2-W-09	Not Detected.
	AN7-3-W-09	Not Detected.
	AN8-1-W-09	Not Detected.
	AN8-2-W-09	Not Detected.
	AN8-C-S-09	Not Detected.
	AN9-1-W-09	Not Detected.

	AN9-C-S-09	Not Detected.
	Blank	Not Detected.
	Replicate1	Not Detected.
	Replicate2	Not Detected.
	Replicate3	Not Detected.
	Replicate4	Not Detected.
	WG387052-1	Not Detected.
	WG387118-1	Not Detected.
	WG387643-1	Not Detected.
	WG387646-1	Not Detected.
Potassium		
	AN17-C-S-09	Not Detected.
	AN5-C-S-09	Not Detected.
	Blank	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Magnesium		
	Blank	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Manganese		
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Molybdenum		
	AN1-3-W-09	Not Detected.
	AN10-1-W-09	Not Detected.

	AN10-2-W-09	Not Detected.
	AN12-1-W-09	Not Detected.
	AN13-1-W-09	Not Detected.
	AN14-1-W-09	Not Detected.
	AN15-1-W-09	Not Detected.
	AN16-1-W-09	Not Detected.
	AN16-C-S-09	Not Detected.
	AN4-1-W-09	Not Detected.
	AN4-4-W-09	Not Detected.
	AN6-1-W-09	Not Detected.
	AN6-3-W-09	Not Detected.
	AN8-1-W-09	Not Detected.
	AN8-2-W-09	Not Detected.
	AN9-1-W-09	Not Detected.
	Blank	Not Detected.
	Replicate1	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Sodium		
	AN13-C-S-09	Not Detected.
	AN17-C-S-09	Not Detected.
	AN2-C-S-09	Not Detected.
	AN3-4-W-09	Outside QC Limits.
	AN3-C-S-09	Not Detected.
	AN5-C-S-09	Not Detected.
	AN6-C-S-09	Not Detected.
	AN7-C-S-09	Not Detected.
	Blank	Not Detected.
	WG387045-1	Not Detected.

	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Nickel		
	AN16-1-W-09	Not Detected.
	Blank	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Lead		
	AN1-1-W-09	Not Detected.
	AN1-2-W-09	Not Detected.
	AN1-3-W-09	Not Detected.
	AN1-4-W-09	Not Detected.
	AN10-1-W-09	Not Detected.
	AN10-2-W-09	Not Detected.
	AN12-1-W-09	Not Detected.
	AN13-1-W-09	Not Detected.
	AN14-1-W-09	Not Detected.
	AN15-1-W-09	Not Detected.
	AN16-1-W-09	Not Detected.
	AN17-1-W-09	Not Detected.
	AN2-1-W-09	Not Detected.
	AN2-2-W-09	Not Detected.
	AN2-3-W-09	Not Detected.
	AN2-4-W-09	Not Detected.
	AN3-1-W-09	Not Detected.
	AN3-2-W-09	Not Detected.
	AN3-3-W-09	Not Detected.
	AN3-4-W-09	Not Detected.

	AN4-1-W-09	Not Detected.
	AN4-2-W-09	Not Detected.
	AN4-3-W-09	Not Detected.
	AN4-4-W-09	Not Detected.
	AN5-1-W-09	Not Detected.
	AN5-2-W-09	Not Detected.
	AN5-3-W-09	Not Detected.
	AN5-4-W-09	Not Detected.
	AN6-1-W-09	Not Detected.
	AN6-2-W-09	Not Detected.
	AN6-3-W-09	Not Detected.
	AN7-2-W-09	Not Detected.
	AN8-1-W-09	Not Detected.
	AN8-2-W-09	Not Detected.
	AN9-1-W-09	Not Detected.
	Blank	Not Detected.
	Replicate1	Not Detected.
	Replicate2	Not Detected.
	Replicate3	Not Detected.
	Replicate4	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Selenium		
	AN1-1-W-09	Not Detected.
	AN1-3-W-09	Not Detected.
	AN1-4-W-09	Not Detected.
	AN10-1-W-09	Not Detected.
	AN10-2-W-09	Not Detected.
	AN12-1-W-09	Not Detected.

	AN13-1-W-09	Not Detected.
	AN14-1-W-09	Not Detected.
	AN15-1-W-09	Not Detected.
	AN16-1-W-09	Not Detected.
	AN16-C-S-09	Not Detected.
	AN17-1-W-09	Not Detected.
	AN2-1-W-09	Not Detected.
	AN2-2-W-09	Not Detected.
	AN2-4-W-09	Not Detected.
	AN3-1-W-09	Not Detected.
	AN3-2-W-09	Not Detected.
	AN3-3-W-09	Not Detected.
	AN3-4-W-09	Not Detected.
	AN4-1-W-09	Not Detected.
	AN4-2-W-09	Not Detected.
	AN4-4-W-09	Not Detected.
	AN5-1-W-09	Not Detected.
	AN5-2-W-09	Not Detected.
	AN5-3-W-09	Not Detected.
	AN5-4-W-09	Not Detected.
	AN6-1-W-09	Not Detected.
	AN6-2-W-09	Not Detected.
	AN6-3-W-09	Not Detected.
	AN7-1-W-09	Not Detected.
	AN7-3-W-09	Not Detected.
	AN8-1-W-09	Not Detected.
	AN8-2-W-09	Not Detected.
	AN9-1-W-09	Not Detected.
	Blank	Not Detected.
	Replicate1	Not Detected.
	Replicate2	Not Detected.

	Replicate3	Not Detected.
	Replicate4	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Strontium		
	Blank	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Tot. Organic Carbon		
	WG385837-1	Not Detected.
Vanadium		
	AN1-3-W-09	Not Detected.
	AN1-4-W-09	Not Detected.
	AN10-1-W-09	Not Detected.
	AN13-1-W-09	Not Detected.
	AN14-1-W-09	Not Detected.
	AN15-1-W-09	Not Detected.
	AN16-1-W-09	Not Detected.
	AN17-1-W-09	Not Detected.
	AN2-3-W-09	Not Detected.
	AN2-4-W-09	Not Detected.
	AN4-1-W-09	Not Detected.
	AN4-2-W-09	Not Detected.
	AN4-4-W-09	Not Detected.
	AN5-1-W-09	Not Detected.
	AN6-1-W-09	Not Detected.
	AN6-2-W-09	Not Detected.
	AN6-3-W-09	Not Detected.

	AN7-2-W-09	Not Detected.
	AN8-1-W-09	Not Detected.
	AN8-2-W-09	Not Detected.
	Blank	Not Detected.
	Replicate3	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.
	WG387642-1	Not Detected.
	WG387644-1	Not Detected.
Zinc		
	AN11-1-W-09	Not Detected.
	AN12-1-W-09	Not Detected.
	AN13-1-W-09	Not Detected.
	AN14-1-W-09	Not Detected.
	AN15-1-W-09	Not Detected.
	AN16-1-W-09	Not Detected.
	AN17-1-W-09	Not Detected.
	AN4-1-W-09	Not Detected.
	AN4-3-W-09	Not Detected.
	AN4-4-W-09	Not Detected.
	AN6-1-W-09	Not Detected.
	AN6-2-W-09	Not Detected.
	AN6-3-W-09	Not Detected.
	AN8-1-W-09	Not Detected.
	AN8-2-W-09	Not Detected.
	AN9-1-W-09	Not Detected.
	Blank	Not Detected.
	Replicate1	Not Detected.
	Replicate3	Not Detected.
	WG387045-1	Not Detected.
	WG387117-1	Not Detected.

	WG387642-1	Not Detected.
	WG387644-1	Not Detected.

Code List

If appropriate, labs are instructed to use the following codes when entering laboratory notes. The labs may use one or more of the codes in each note displayed above.

Code	Comment
A	Values reported based on Aldrin response factor.
C	Sample possibly compromised due to improper handling / packaging.
D	Sample was deleted from the catalog by the submitter.
H	Due to sample characteristics it was difficult to obtain adequate sample homogeneity - precision was impacted.
I	Interferences occurred during analysis.
L	Sample compromised or destroyed during shipment - sample not analyzed.
M	Compound identity was confirmed by GC/MS.
N	Sample was not analyzed.
P	Sample destroyed during preparation at lab - sample not analyzed.
Q	Insufficient sample quantity to perform requested analysis.
R	Sample is highly decomposed - results may be impacted.
S	Sample was substituted by the submitter.
T	Retention time relative to Aldrin.
U	GC/MS identifies the unknown compound to be _____ (fill in analyte).
W	Insufficient sample quantity to perform duplicate / spike analyses.
Y	Sample was analyzed but results may be impacted (see 'C')

10. QAQC Summary

1. Procedural Blank Summary

Procedural Blank Summary of Blank Equivalent Concentration (BEC) Data

Within a lab sample matrix, there must be three or more Blank results for a given analyte in order to generate a report.

Analyte	Lab Sample Matrix	No. of Records	Basis	Lowest BEC (ppm)	Highest BEC (ppm)	BEC Mean (ppm)	BEC STDEV
Aluminum	Water	3	Wet	< 0.0500	< 0.0500	0.0250	0.00000000000000000425
Arsenic	Water	3	Wet	< 0.000500	< 0.000500	0.000250	0.000
Boron	Water	3	Wet	< 0.0100	< 0.0100	0.00500	0.000
Barium	Water	3	Wet	< 0.000500	< 0.000500	0.000250	0.000
Beryllium	Water	3	Wet	< 0.000500	< 0.000500	0.000250	0.000
Cadmium	Water	3	Wet	< 0.000500	< 0.000500	0.000250	0.000
Chromium	Water	3	Wet	< 0.00100	< 0.00100	0.000500	0.000
Copper	Water	3	Wet	< 0.00100	< 0.00100	0.000500	0.000
Iron	Water	3	Wet	< 0.0500	< 0.0500	0.0250	0.00000000000000000425
Mercury	Water	3	Wet	< 0.0000500	< 0.0000500	0.0000250	0.000
Potassium	Water	3	Wet	< 0.200	< 0.200	0.100	0.00000000000000000170
Magnesium	Water	3	Wet	< 0.0500	< 0.0500	0.0250	0.00000000000000000425
Manganese	Water	3	Wet	< 0.000500	< 0.000500	0.000250	0.000
Molybdenum	Water	3	Wet	< 0.000500	< 0.000500	0.000250	0.000
Sodium	Water	3	Wet	< 0.100	< 0.100	0.0500	0.00000000000000000850
Nickel	Water	3	Wet	< 0.000500	< 0.000500	0.000250	0.000
Lead	Water	3	Wet	< 0.00100	< 0.00100	0.000500	0.000
Selenium	Water	3	Wet	< 0.00100	< 0.00100	0.000500	0.000
Strontium	Water	3	Wet	< 0.000500	< 0.000500	0.000250	0.000
Vanadium	Water	3	Wet	< 0.00100	< 0.00100	0.000500	0.000
Zinc	Water	3	Wet	< 0.0100	< 0.0100	0.00500	0.000

BEC = Blank Equivalent Concentration   STD = Standard Deviation

10.2. Duplicate Summary

Duplicate Summary of Relative Percent Difference (RPD) Data

Within a lab sample matrix and concentration range, there must be three or more Duplicate results for a given analyte in order to generate a report.

Mean concentration 2 to 10 times the Limit of Detection						
Analyte	**Lab Sample Matrix**	**No. of Samples**	**Lowest RPD**	**Highest RPD**	**RPD Mean**	**RPD SDEV**
Aluminum	Water	3	0.6	2.26	1.19	0.93
Arsenic	Water	3	22.22	40.0	30.84	8.9
Copper	Water	3	0.0	28.57	9.52	16.5
Molybdenum	Water	3	80.0	157.45	107.72	43.16
Mean concentration greater than 10 times the Limit of Detection						
Analyte	**Lab Sample Matrix**	**No. of Samples**	**Lowest RPD**	**Highest RPD**	**RPD Mean (ppm)**	**RPD STD**
Barium	Water	3	0.0	7.32	3.04	3.82
Iron	Water	3	0.0	2.92	1.72	1.53
Magnesium	Water	3	1.19	5.53	2.69	2.46
Manganese	Water	3	1.07	4.36	2.57	1.67
Sodium	Water	3	0.67	1.87	1.44	0.66
Strontium	Water	3	0.68	3.91	2.52	1.67

RPD = Relative Percent Difference STD = Standard Deviation

10.3. Spike Summary

Spike Summary of Percent Recovery (PR) Data

Within a lab sample matrix, there must be three or more Spike results for a given analyte in order to generate a report.

Analyte	**Lab Sample Matrix**	**No. of Samples**	**Lowest PR**	**Highest PR**	**PR Mean**	**PR STD**
Aluminum	Water	3	85.6	91.74	88.69	3.07
Arsenic	Water	3	98.71	106.02	102.48	3.66
Boron	Water	3	83.5	98.7	91.53	7.64
Barium	Water	3	92.09	96.52	94.68	2.31
Beryllium	Water	3	87.38	97.28	91.97	4.99
Cadmium	Water	3	102.0	102.16	102.07	0.08
Chromium	Water	3	102.8	104.8	103.47	1.15
Copper	Water	3	94.6	94.8	94.73	0.12

Analyte	Lab Sample Matrix	No. of Samples	Lowest PR	Highest PR	PR Mean	PR STD
Iron	Water	3	90.6	96.2	94.13	3.07
Mercury	Water	3	90.13	98.97	95.3	4.6
Potassium	Water	3	98.0	102.0	99.53	2.16
Magnesium	Water	3	89.8	98.0	94.87	4.43
Manganese	Water	3	104.25	104.36	104.29	0.06
Molybdenum	Water	3	102.19	106.19	103.89	2.06
Sodium	Water	3	74.0	92.4	86.07	10.45
Nickel	Water	3	95.1	101.36	98.21	3.13
Lead	Water	3	101.0	102.9	101.93	0.95
Selenium	Water	3	99.0	105.9	101.4	3.9
Strontium	Water	3	101.56	106.76	104.44	2.65
Vanadium	Water	3	102.7	105.6	103.7	1.65
*Zinc	Water	3	95.0	98.4	97.1	1.84
*Aluminum	Water	3	88.4	95.6	92.27	3.63
*Arsenic	Water	3	96.0	102.0	98.73	3.04
*Boron	Water	3	84.9	96.1	90.73	5.61
*Barium	Water	3	90.95	94.92	93.28	2.07
*Beryllium	Water	3	85.84	95.26	90.89	4.75
*Cadmium	Water	3	99.36	101.0	100.19	0.82
*Chromium	Water	3	97.8	103.0	100.6	2.62
*Copper	Water	3	93.7	96.3	94.97	1.3
*Iron	Water	3	84.4	92.2	89.0	4.08
*Mercury	Water	3	94.31	101.04	98.6	3.73
*Potassium	Water	3	98.6	101.2	100.07	1.33
*Magnesium	Water	3	90.6	102.2	96.07	5.83
*Manganese	Water	3	97.47	104.8	101.96	3.93
*Molybdenum	Water	3	100.3	102.3	101.13	1.04
*Sodium	Water	3	90.0	97.0	94.0	3.61
*Nickel	Water	3	95.2	99.03	97.66	2.14
*Lead	Water	3	103.0	103.0	103.0	0.0
*Selenium	Water	3	93.9	98.5	96.33	2.31
*Strontium	Water	3	96.41	101.5	99.47	2.7
*Vanadium	Water	3	97.0	104.0	99.93	3.64

Analyte	Lab Sample Matrix	No. of Samples	Lowest PR	Highest PR	PR Mean	PR STD
*Zinc	Water	3	95.2	99.0	97.5	2.02

** = Spiked-Blank Results PR = Percent Recovery STD = Standard Deviation

10.4. SRM Summary

Standard Reference Material Summary of Percent Recovery (PR) Data

Within an SRM ID, there must be three or more Recoveries for a given analyte in order to generate a report.

11. QA/QC Anomalies

1. Blank Frequency Anomalies

The required number of blank analyses were performed.

11.2. Duplicate Frequency Anomalies

The required number of duplicate sample analyses were performed with the following exceptions.					
Analyte	**Lab Matrix**	**Number of Samples**	**Number of Duplicates**	**Frequency (%)**	**See QA/QC Note No.**
Tot. Organic Carbon	Soil/Sediment	17	0	0	1

11.3. Spike Frequency Anomalies

The required number of spike analyses were performed.

11.4. Reference Material Frequency Anomalies

The required number of Standard Reference Material analyses were performed with the following exceptions.				
Lab Matrix	**Number of Samples**	**Number of SRMs**	**Frequency (%)**	**See QA/QC Note No.**
Water	903	0	0	2

11.5. Mass Spec Frequency Anomalies

No Carbamate, OC, or OP data exists in this set of results; therefore, the anomaly test was not performed.

11.6. Limit of Detection Anomalies

Limits of Detection were within the contract requirements with the following exceptions.							
Analyte	**Sample**	**Lab Matrix**	*** CRDL**	**Basis**	**Acceptable**	**LOD**	**See QA/QC**

Limits of Detection were within the contract requirements with the following exceptions.							
Analyte	**Sample Number**	**Lab Matrix**	*** CRDL (ppm/%)**	**Basis**	**Acceptable To (ppm/%)**	**LOD (ppm/%)**	**See QA/QC Note No.**
Potassium	AN5-C-S-09	Soil/Sediment	10	Dry	30.0	576	3
Potassium	AN17-C-S-09	Soil/Sediment	10	Dry	30.0	532	4
Sodium	AN7-C-S-09	Soil/Sediment	5	Dry	15.0	510.	5
Sodium	AN5-C-S-09	Soil/Sediment	5	Dry	15.0	576	6
Sodium	AN6-C-S-09	Soil/Sediment	5	Dry	15.0	506	7
Sodium	AN17-C-S-09	Soil/Sediment	5	Dry	15.0	532	8
Sodium	AN13-C-S-09	Soil/Sediment	5	Dry	15.0	832	9
Sodium	AN3-C-S-09	Soil/Sediment	5	Dry	15.0	382	10
Sodium	AN2-C-S-09	Soil/Sediment	5	Dry	15.0	527	11
Sodium	Blank	Water	0.005	Wet	0.0150	0.100	12

* CRDL = Contract Required Detection Limit.

11.7. Blank Anomalies

Procedural Blank analyses were acceptable.

11.8. Duplicate Anomalies

All duplicate results were within normal limits with the following exceptions.							
Analyte	**Sample Number**	**Lab Matrix**	**LOD Mean**	**Initial Result ppm/%**	**Duplicate Result ppm/%**	**Relative Percent Diff.**	**See QA/QC Note No.**
Arsenic	AN10-2-W-09	Water	0.000500	0.00380	0.00280	30.3	13
Selenium	AN1-C-S-09	Soil/Sediment	0.126	0.835	0.655	24.2	15
Molybdenum	AN1-C-S-09	Soil/Sediment	0.0635	2.79	1.86	40.0	14

11.9. Spike Anomalies

All spike results were within normal limits.

11.10. S.R.M. Anomalies

All SRM results were within normal limits with the following exceptions.							
Analyte	**S.R.M. ID**	**Certified Value**	**95% Confidence Interval**	**LOD (ppm/%)**	**Result (ppm/%)**	**% Recovery**	**See QA/QC Note No.**
Aluminum	ERA D061	10600	541	104	9640	90.9	16
Barium	ERA D061	565	26.0	0.104	494	87.4	17
Beryllium	ERA D061	162	8.75	0.0521	171	106	18
Chromium	ERA D061	124	6.70	0.208	136	110.	19
Magnesium	ERA D061	4260	239	104	4160	97.6	20
Strontium	ERA D061	117	7.14	0.0521	123	105	21
Vanadium	ERA D061	93.9	4.13	0.104	94.3	100.	22

S.R.M Names

SRM ID	SRM Name
ERA D061	Metals in Soil

11.11. QA/QC Notes

QA/QC Note Number and Comments
1-2 Sufficient duplicates, spikes and SRMs were performed to assess the precision and accuracy of this data set. 3-12 K and Na are not contract required mandatory analytes. Therefore, there is not a contract required detection limit. The data should be reviewed using the LOD provided by the analytical lab. 13-15 These are acceptable %RPDs for sample concentrations in this range. 16-22 The % Recovery for SRM ERA D061 is acceptable for Al, Ba, Be, Cr, Mg, Sr and V. QA/QC Approved: Brenda Montgomery, Inorganic Analytical Chemist

12. Analytical Methods

Below are the analytical methods used by AWH to produce the results included in this report.

Method Codes:	002

Lab Matrix	Analyte
Soil/Sediment	Aluminum
	Arsenic
	Boron
	Barium
	Beryllium
	Cadmium
	Chromium
	Copper
	Iron
	Potassium
	Magnesium
	Manganese
	Molybdenum
	Sodium
	Nickel
	Lead
	Selenium
	Strontium
	Vanadium
	Zinc
Water	Aluminum
	Arsenic
	Boron
	Barium
	Beryllium
	Cadmium
	Chromium

Copper
Iron
Potassium
Magnesium
Manganese
Molybdenum
Sodium
Nickel
Lead
Selenium
Strontium
Vanadium
Zinc

Method Code: 002
Laboratory: Alpha Woods Hole Labs Inductively Coupled Plasma-Mass Spectrometry Solid samples (approximately 1g) were digested by hot plate or microwave according to EPA Method 3050 (hot plate) or EPA Method 3051 (microwave). An aliquot of digestate was nebulized into a spray chamber where a stream of argon carried the sample aerosol through a quartz torch and injected it into the radio frequency inductively coupled plasma. The ions produced in the plasma were introduced to the mass spectrometer for quantification against a multi-level initial calibration.

Method Codes:	004

Lab Matrix	**Analyte**
Soil/Sediment	Mercury
Water	Mercury

Method Code: 004
Laboratory: Alpha Woods Hole Labs

Mercury via Cold Vapor Atomic Fluorescence Spectroscopy

Tissue samples (approximately 1g) are digested according to Method 3051. Soil/sediment samples (approximately 1 g) are digested by hot plate in aqua regia. An aliquot of the digest is then prepared with HCL/BrCl and hydroxylamine hydrochloride solution. Mercury in the digested sample is reduced to elemental mercury, aerated from solution and introduced into the spectrophotometer. The emission is measured and compared to a multi-level initial calibration for quantification.

Method Codes:	005

Lab Matrix	**Analyte**
Soil/Sediment	Tot. Organic Carbon

Method Code: 005

Laboratory: Alpha Woods Hole Labs

Total Organic Carbon

Solid samples are dried, acidified with phosphoric acid, loaded into an aluminum tin, and introduced into a furnace for combustion in a pure oxygen environment. CO2 is produced in the combustion zone and non-target elements are removed by scrubbing reagents. The resulting CO2 gas is de-pressurized through a column where it is detected as a function of its thermal conductivity. The amount of CO2 derived from the sample is directly proportional to the concentration of organic carbonaceous material in the sample.

Method Codes:	007

Lab Matrix	**Analyte**
Soil/Sediment	% Moisture

Method Code: 007

Laboratory: Alpha Woods Hole Labs

Percent Moisture

Water content is determined by weighing a representative sample aliquot and drying the aliquot in an oven at 110 degrees C to a constant mass. The loss of mass due to the sample drying expressed as a percentage is considered to be percent moisture.