

Earth-Water Concepts Inc
PO Box 51015
Halifax, NS
B3M 4R8

Attention: RICHARD GAGNE

Report Date: 2005/06/16

Your C.O.C. #: 294114

ANALYTICAL REPORT

MAXXAM JOB #: A549646

Received: 2005/06/06, 9:08

Sample Matrix: Water

Samples Received: 13

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Carbonate, Bicarbonate and Hydroxide	13	N/A	N/A		
Alkalinity @	13	N/A	2005/06/14	2045_1_2	Based on EPA310.2
Chloride	13	N/A	2005/06/13	2045_1_2	Based on SM4500-Cl-
Colour	13	N/A	2005/06/13	2156_1_1	Based on EPA110.2
Conductance - water	1	N/A	2005/06/09	1013_1_2	Based on SM2510B
Conductance - water	12	N/A	2005/06/10	1013_1_2	Based on SM2510B
Hardness (calculated as CaCO3)	13	N/A	2005/06/08		
Total metals in water OES	13	N/A	2005/06/09	SOP 3120_2_1	Based on EPA200.7
Elements by ICPMS - Total (FIAS) @	13	N/A	2005/06/08	3013_1_1	Based on EPA6020A
Ion Balance (% Difference)	13	N/A	2005/06/08		
Anion and Cation Sum	13	N/A	2005/06/08		
Nitrogen Ammonia - water	13	N/A	2005/06/13	2105_1_2	Based on USEPA 350.1
Nitrogen - Nitrate + Nitrite @	12	N/A	2005/06/13	2115_1_2	Based on EPA 353.1
Nitrogen - Nitrate + Nitrite @	1	N/A	2005/06/14	2115_1_2	Based on EPA 353.1
Nitrogen - Nitrite @	3	N/A	2005/06/13	2125_1_1	Based on USEPA 354.1
Nitrogen - Nitrite @	10	N/A	2005/06/14	2125_1_1	Based on USEPA 354.1
Nitrogen - Nitrate (as N) @	13	N/A	2005/06/08	SOP 2130_1_1	Based on ASTM D3867
pH @	12	N/A	2005/06/10	1007_1_1/1011_1_2	Based on EPA150.1
pH @	1	N/A	2005/06/13	1007_1_1/1011_1_2	Based on EPA150.1
Phosphorus - ortho @	11	N/A	2005/06/11	2165_1_1	Based on USEPA 365.1
Phosphorus - ortho @	2	N/A	2005/06/14	2165_1_1	Based on USEPA 365.1
Sat. pH and Langelier Index (@ 20C)	13	N/A	2005/06/08		
Sat. pH and Langelier Index (@ 4C)	13	N/A	2005/06/08		
Reactive Silica @	13	N/A	2005/06/13	2185_1_1	Based on EPA 366.0
Sulphate @	13	N/A	2005/06/14	4065_1_2	Based on EPA 375.4
Total Dissolved Solids (TDS calc)	13	N/A	2005/06/08		
Organic carbon - Total (TOC) @	13	N/A	2005/06/08	2020_1_3	Based on SM 5310C
Turbidity @	13	N/A	2005/06/13	1040_2_4	based on EPA 180.1

(1) SCC/CAEAL

../2

Bedford: 200 Bluewater Road Bedford NS B4B 1G9 Telephone(902)420-0203 FAX(902)420-8612

This document is in electronic format, hard copy is available on request.

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Attention: RICHARD GAGNE

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ANALYTICAL REPORT

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MAXXAM ANALYTICS INC.

KERI MACKAY
Project Manager

KMA/kma
encl.

Total cover pages: 2

Bedford: 200 Bluewater Road Bedford NS B4B 1G9 Telephone(902)420-0203 FAX(902)420-8612

This document is in electronic format, hard copy is available on request.

Maxxam Job #: A549646
Report Date: 2005/06/16

Earth-Water Concepts Inc
Client Project #:
Project name:
Sampler Initials:

ATLANTIC RCAP-MS TOTAL IN WATER (WATER)

Maxxam ID		G46015	G46015		G46044	G46045		
Sampling Date								
COC Number		294114	294114		294114	294114		
	Units	102F01-5-1	102F01-5-1 Dup	QC Batch	102F01-5-2	102F01-5-3	DL	QC Batch

ANIONS								
Dissolved Chloride (Cl)	mg/L	11		757964	13	10	1	757995
Dissolved Sulphate (SO4)	mg/L	2.5		758674	4.6	4.7	2	758702
CONVENTIONALS								
Total Alkalinity (Total as CaCO3)	mg/L	ND		758468	13	6.7	5	758490
Colour	TCU	9.6		757721	ND	10	5	757746
pH	pH	6.84	6.73	756716	7.83	7.47	N/A	756431
Reactive Silica (SiO2)	mg/L	3.5		757833	3.8	3.6	0.5	757846
Turbidity	NTU	0.3		758211	0.4	0.2	0.1	758211
Conductivity	uS/cm	59	58	755723	81	63	1	756427
Nutrients								
Nitrate + Nitrite	mg/L	ND		758193	0.17	0.16	0.05	758193
Nitrite (N)	mg/L	ND		758757	ND	ND	0.01	758757
Nitrogen (Ammonia Nitrogen)	mg/L	ND		758336	ND	ND	0.05	758336
Total Organic Carbon (C)	mg/L	2.5		754787	1.3	2.7	0.5	754787
Orthophosphate (P)	mg/L	ND		757383	ND	ND	0.01	757383
METALS								
Total Aluminum (Al)	ug/L	180		754699	68	81	10	754699
Total Antimony (Sb)	ug/L	ND		754699	ND	ND	2	754699
Total Arsenic (As)	ug/L	ND		754699	ND	13	2	754699
Total Barium (Ba)	ug/L	6.1		754699	6.8	7.0	5	754699
Total Beryllium (Be)	ug/L	ND		754699	ND	ND	2	754699
Total Bismuth (Bi)	ug/L	ND		754699	ND	ND	2	754699
Total Boron (B)	ug/L	6.6		754699	7.4	5.9	5	754699
Total Cadmium (Cd)	ug/L	ND		754699	ND	ND	0.3	754699
Total Chromium (Cr)	ug/L	ND		754699	ND	ND	2	754699
Total Cobalt (Co)	ug/L	ND		754699	ND	ND	1	754699
Total Copper (Cu)	ug/L	59		754699	14	9.7	2	754699
Total Iron (Fe)	ug/L	ND		754699	ND	ND	50	754699
Total Lead (Pb)	ug/L	0.7		754699	1.5	ND	0.5	754699
Total Manganese (Mn)	ug/L	12		754699	5.8	2.1	2	754699
Total Molybdenum (Mo)	ug/L	ND		754699	ND	ND	2	754699
Total Nickel (Ni)	ug/L	ND		754699	ND	2.4	2	754699

ND = Not detected
QC Batch = Quality Control Batch
Please check for attached comments

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ATLANTIC RCAP-MS TOTAL IN WATER (WATER)

Maxxam ID		G46015	G46015		G46044	G46045		
Sampling Date								
COC Number		294114	294114		294114	294114		
	Units	102F01-5-1	102F01-5-1 Dup	QC Batch	102F01-5-2	102F01-5-3	DL	QC Batch
Total Selenium (Se)	ug/L	ND		754699	ND	ND	2	754699
Total Silver (Ag)	ug/L	ND		754699	ND	ND	0.5	754699
Total Strontium (Sr)	ug/L	18		754699	34	32	5	754699
Total Thallium (Tl)	ug/L	ND		754699	ND	ND	0.1	754699
Total Tin (Sn)	ug/L	ND		754699	ND	ND	2	754699
Total Titanium (Ti)	ug/L	ND		754699	ND	ND	2	754699
Total Uranium (U)	ug/L	ND		754699	ND	ND	0.1	754699
Total Vanadium (V)	ug/L	ND		754699	ND	ND	2	754699
Total Zinc (Zn)	ug/L	14		754699	8.0	18	5	754699
Elements								
Total Calcium (Ca)	mg/L	2.8		755869	6.1	4.7	0.1	755869
Total Potassium (K)	mg/L	0.5		755869	0.7	0.7	0.1	755869
Total Magnesium (Mg)	mg/L	1.0		755869	1.0	0.9	0.1	755869
Total Sodium (Na)	mg/L	7.5		755869	7.9	6.4	0.1	755869
Total Phosphorus (P)	mg/L	ND		755869	ND	ND	0.1	755869
CALCULATION								
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	ND		754366	12.7	7	1	754366
Calculated TDS	mg/L	29.1		754363	44.9	35.8	1	754363
Carb. Alkalinity (calc. as CaCO3)	mg/L	ND		754366	ND	ND	1	754366
Dissolved Hardness (CaCO3)	mg/L	11		754323	19	15	N/A	754323
Langelier Index (@ 20C)	N/A	NC		754350	-1.59	-2.33	N/A	754350
Langelier Index (@ 4C)	N/A	NC		754357	-1.84	-2.58	N/A	754357
Nitrate (N)	mg/L	ND		754343	0.17	0.16	0.05	754343
Saturation pH (@ 20C)	N/A	NC		754350	9.42	9.80	N/A	754350
Saturation pH (@ 4C)	N/A	NC		754357	9.67	10.1	N/A	754357
RCAP Calculations								
Anion Sum	me/L	0.372		754337	0.715	0.526	N/A	754337
Cation Sum	me/L	0.558		754337	0.743	0.607	N/A	754337
Ion Balance (% Difference)	%	20.0		754329	1.93	7.15	N/A	754329
ND = Not detected NC = Non-calculable QC Batch = Quality Control Batch Please check for attached comments								

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ATLANTIC RCAP-MS TOTAL IN WATER (WATER)

Maxxam ID		G46046	G46046		G46052		
Sampling Date							
COC Number		294114	294114		294114		
	Units	102F01-5-4	102F01-5-4 Dup	DL	102F01-5-5	DL	QC Batch

ANIONS							
Dissolved Chloride (Cl)	mg/L	8.9		1	100	5	757995
Dissolved Sulphate (SO4)	mg/L	3.4		2	13	2	758702
CONVENTIONALS							
Total Alkalinity (Total as CaCO3)	mg/L	11		5	10	5	758490
Colour	TCU	ND		5	ND	5	757746
pH	pH	7.11		N/A	6.61	N/A	756431
Reactive Silica (SiO2)	mg/L	6.2		0.5	5.8	0.5	757846
Turbidity	NTU	<0.1		0.1	0.2	0.1	758211
Conductivity	uS/cm	59		1	390	1	756427
Nutrients							
Nitrate + Nitrite	mg/L	ND	ND	0.05	0.16	0.05	758193
Nitrite (N)	mg/L	ND		0.01	ND	0.01	758757
Nitrogen (Ammonia Nitrogen)	mg/L	ND	ND	0.05	ND	0.05	758336
Total Organic Carbon (C)	mg/L	ND		0.5	ND	0.5	754787
Orthophosphate (P)	mg/L	ND		0.01	ND	0.01	757383
METALS							
Total Aluminum (Al)	ug/L	11		10	ND	10	754699
Total Antimony (Sb)	ug/L	ND		2	ND	2	754699
Total Arsenic (As)	ug/L	ND		2	ND	2	754699
Total Barium (Ba)	ug/L	ND		5	25	5	754699
Total Beryllium (Be)	ug/L	ND		2	ND	2	754699
Total Bismuth (Bi)	ug/L	ND		2	ND	2	754699
Total Boron (B)	ug/L	ND		5	7.8	5	754699
Total Cadmium (Cd)	ug/L	ND		0.3	ND	0.3	754699
Total Chromium (Cr)	ug/L	ND		2	ND	2	754699
Total Cobalt (Co)	ug/L	ND		1	ND	1	754699
Total Copper (Cu)	ug/L	82		2	99	2	754699
Total Iron (Fe)	ug/L	ND		50	ND	50	754699
Total Lead (Pb)	ug/L	0.5		0.5	0.5	0.5	754699
Total Manganese (Mn)	ug/L	ND		2	170	2	754699
Total Molybdenum (Mo)	ug/L	ND		2	ND	2	754699
Total Nickel (Ni)	ug/L	ND		2	ND	2	754699
ND = Not detected QC Batch = Quality Control Batch Please check for attached comments							

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ATLANTIC RCAP-MS TOTAL IN WATER (WATER)

Maxxam ID		G46046	G46046		G46052		
Sampling Date							
COC Number		294114	294114		294114		
	Units	102F01-5-4	102F01-5-4 Dup	DL	102F01-5-5	DL	QC Batch
Total Selenium (Se)	ug/L	ND		2	ND	2	754699
Total Silver (Ag)	ug/L	ND		0.5	ND	0.5	754699
Total Strontium (Sr)	ug/L	21		5	51	5	754699
Total Thallium (Tl)	ug/L	ND		0.1	ND	0.1	754699
Total Tin (Sn)	ug/L	ND		2	ND	2	754699
Total Titanium (Ti)	ug/L	ND		2	ND	2	754699
Total Uranium (U)	ug/L	ND		0.1	ND	0.1	754699
Total Vanadium (V)	ug/L	ND		2	ND	2	754699
Total Zinc (Zn)	ug/L	7.0		5	56	5	754699
Elements							
Total Calcium (Ca)	mg/L	3.8		0.1	10	0.1	755869
Total Potassium (K)	mg/L	0.6		0.1	1.6	0.1	755869
Total Magnesium (Mg)	mg/L	1.0		0.1	1.4	0.1	755869
Total Sodium (Na)	mg/L	6.6		0.1	68	0.1	755869
Total Phosphorus (P)	mg/L	ND		0.1	ND	0.1	755869
CALCULATION							
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	10.8		1	10.1	1	754366
Calculated TDS	mg/L	37.0		1	209	1	754363
Carb. Alkalinity (calc. as CaCO3)	mg/L	ND		1	ND	1	754366
Dissolved Hardness (CaCO3)	mg/L	14		N/A	31	N/A	754323
Langelier Index (@ 20C)	N/A	-2.57		N/A	-2.77	N/A	754350
Langelier Index (@ 4C)	N/A	-2.82		N/A	-3.02	N/A	754357
Nitrate (N)	mg/L	ND		0.05	0.16	0.05	754343
Saturation pH (@ 20C)	N/A	9.68		N/A	9.38	N/A	754350
Saturation pH (@ 4C)	N/A	9.93		N/A	9.63	N/A	754357
RCAP Calculations							
Anion Sum	me/L	0.539		N/A	3.36	N/A	754337
Cation Sum	me/L	0.573		N/A	3.64	N/A	754337
Ion Balance (% Difference)	%	3.08		N/A	3.90	N/A	754329
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ATLANTIC RCAP-MS TOTAL IN WATER (WATER)

Maxxam ID		G46053	G46054			G46055		
Sampling Date								
COC Number		294114	294114			294114		
	Units	102F01-5-6	102F01-5-7	DL	QC Batch	102F01-5-8	DL	QC Batch

ANIONS								
Dissolved Chloride (Cl)	mg/L	14	22	1	757995	43	1	757995
Dissolved Sulphate (SO4)	mg/L	4.7	8.7	2	758702	7.6	2	758702
CONVENTIONALS								
Total Alkalinity (Total as CaCO3)	mg/L	ND	9.8	5	758490	9.6	5	758490
Colour	TCU	ND	ND	5	757746	ND	5	757746
pH	pH	6.15	6.06	N/A	756431	6.06	N/A	756431
Reactive Silica (SiO2)	mg/L	3.5	4.9	0.5	757846	3.5	0.5	757846
Turbidity	NTU	<0.1	<0.1	0.1	758211	1.2	0.1	758211
Conductivity	uS/cm	66	120	1	756427	200	1	756427
Nutrients								
Nitrate + Nitrite	mg/L	ND	0.70	0.05	758193	2.3	0.2	758816
Nitrite (N)	mg/L	ND	ND	0.01	758757	ND	0.01	758757
Nitrogen (Ammonia Nitrogen)	mg/L	ND	ND	0.05	758336	ND	0.05	758336
Total Organic Carbon (C)	mg/L	0.5	1.6	0.5	754787	1.1	0.5	754787
Orthophosphate (P)	mg/L	ND	ND	0.01	757383	ND	0.01	757383
METALS								
Total Aluminum (Al)	ug/L	310	120	10	754699	140	10	754699
Total Antimony (Sb)	ug/L	ND	ND	2	754699	ND	2	754699
Total Arsenic (As)	ug/L	ND	ND	2	754699	ND	2	754699
Total Barium (Ba)	ug/L	7.3	6.9	5	754699	76	5	754699
Total Beryllium (Be)	ug/L	ND	ND	2	754699	ND	2	754699
Total Bismuth (Bi)	ug/L	ND	ND	2	754699	ND	2	754699
Total Boron (B)	ug/L	6.4	12	5	754699	11	5	754699
Total Cadmium (Cd)	ug/L	ND	ND	0.3	754699	ND	0.3	754699
Total Chromium (Cr)	ug/L	ND	ND	2	754699	ND	2	754699
Total Cobalt (Co)	ug/L	ND	ND	1	754699	ND	1	754699
Total Copper (Cu)	ug/L	5.6	85	2	754699	150	2	754699
Total Iron (Fe)	ug/L	ND	ND	50	754699	ND	50	754699
Total Lead (Pb)	ug/L	1.8	2.8	0.5	754699	ND	0.5	754699
Total Manganese (Mn)	ug/L	15	7.8	2	754699	54	2	754699
Total Molybdenum (Mo)	ug/L	ND	ND	2	754699	ND	2	754699
Total Nickel (Ni)	ug/L	ND	ND	2	754699	ND	2	754699
Total Selenium (Se)	ug/L	ND	ND	2	754699	ND	2	754699

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ATLANTIC RCAP-MS TOTAL IN WATER (WATER)

Maxxam ID		G46053	G46054			G46055		
Sampling Date								
COC Number		294114	294114			294114		
	Units	102F01-5-6	102F01-5-7	DL	QC Batch	102F01-5-8	DL	QC Batch
Total Silver (Ag)	ug/L	ND	ND	0.5	754699	ND	0.5	754699
Total Strontium (Sr)	ug/L	16	55	5	754699	35	5	754699
Total Thallium (Tl)	ug/L	ND	ND	0.1	754699	ND	0.1	754699
Total Tin (Sn)	ug/L	ND	ND	2	754699	ND	2	754699
Total Titanium (Ti)	ug/L	ND	ND	2	754699	ND	2	754699
Total Uranium (U)	ug/L	ND	ND	0.1	754699	ND	0.1	754699
Total Vanadium (V)	ug/L	ND	ND	2	754699	ND	2	754699
Total Zinc (Zn)	ug/L	5.1	16	5	754699	22	5	754699
Elements								
Total Calcium (Ca)	mg/L	1.9	8.5	0.1	755869	9.5	0.1	755869
Total Potassium (K)	mg/L	0.7	2.1	0.1	755869	2.7	0.1	755869
Total Magnesium (Mg)	mg/L	0.9	1.9	0.1	755869	1.1	0.1	755869
Total Sodium (Na)	mg/L	8.6	11	0.1	755869	28	0.1	755869
Total Phosphorus (P)	mg/L	ND	ND	0.1	755869	ND	0.1	755869
CALCULATION								
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	ND	10	1	754366	10	1	754368
Calculated TDS	mg/L	34.5	67.5	1	754363	112	1	754363
Carb. Alkalinity (calc. as CaCO3)	mg/L	ND	ND	1	754366	ND	1	754368
Dissolved Hardness (CaCO3)	mg/L	8.7	29	N/A	754323	28	N/A	754323
Langelier Index (@ 20C)	N/A	NC	-3.34	N/A	754350	-3.32	N/A	754350
Langelier Index (@ 4C)	N/A	NC	-3.60	N/A	754357	-3.58	N/A	754357
Nitrate (N)	mg/L	ND	0.70	0.05	754343	2.3	0.05	754343
Saturation pH (@ 20C)	N/A	NC	9.40	N/A	754350	9.38	N/A	754350
Saturation pH (@ 4C)	N/A	NC	9.66	N/A	754357	9.64	N/A	754357
RCAP Calculations								
Anion Sum	me/L	0.495	1.03	N/A	754337	1.74	N/A	754337
Cation Sum	me/L	0.568	1.11	N/A	754337	1.84	N/A	754337
Ion Balance (% Difference)	%	6.90	3.41	N/A	754329	2.71	N/A	754329
ND = Not detected NC = Non-calculable QC Batch = Quality Control Batch Please check for attached comments								

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ATLANTIC RCAP-MS TOTAL IN WATER (WATER)

Maxxam ID		G46055			G46056		
Sampling Date							
COC Number		294114			294114		
	Units	102F01-5-8 Dup	DL	QC Batch	102F01-5-9	DL	QC Batch

ANIONS							
Dissolved Chloride (Cl)	mg/L		1	757995	56	1	757995
Dissolved Sulphate (SO4)	mg/L		2	758702	5.4	2	758702
CONVENTIONALS							
Total Alkalinity (Total as CaCO3)	mg/L		5	758490	6.0	5	758490
Colour	TCU		5	757746	29	5	757746
pH	pH		N/A	756431	5.61	N/A	756431
Reactive Silica (SiO2)	mg/L		0.5	757846	5.5	0.5	757846
Turbidity	NTU		0.1	758211	2.7	0.1	758211
Conductivity	uS/cm		1	756427	210	1	756427
Nutrients							
Nitrate + Nitrite	mg/L		0.2	758816	0.14	0.05	758193
Nitrite (N)	mg/L		0.01	758757	ND	0.01	758757
Nitrogen (Ammonia Nitrogen)	mg/L		0.05	758336	ND	0.05	758336
Total Organic Carbon (C)	mg/L		0.5	754787	4.6	0.5	754787
Orthophosphate (P)	mg/L		0.01	757383	ND	0.01	757383
METALS							
Total Aluminum (Al)	ug/L	130	10	754699	450	10	754699
Total Antimony (Sb)	ug/L	ND	2	754699	ND	2	754699
Total Arsenic (As)	ug/L	ND	2	754699	2.7	2	754699
Total Barium (Ba)	ug/L	75	5	754699	30	5	754699
Total Beryllium (Be)	ug/L	ND	2	754699	ND	2	754699
Total Bismuth (Bi)	ug/L	ND	2	754699	ND	2	754699
Total Boron (B)	ug/L	10	5	754699	8.6	5	754699
Total Cadmium (Cd)	ug/L	ND	0.3	754699	ND	0.3	754699
Total Chromium (Cr)	ug/L	ND	2	754699	ND	2	754699
Total Cobalt (Co)	ug/L	ND	1	754699	2.0	1	754699
Total Copper (Cu)	ug/L	150	2	754699	110	2	754699
Total Iron (Fe)	ug/L	ND	50	754699	760	50	754699
Total Lead (Pb)	ug/L	ND	0.5	754699	4.0	0.5	754699
Total Manganese (Mn)	ug/L	53	2	754699	120	2	754699
Total Molybdenum (Mo)	ug/L	ND	2	754699	ND	2	754699
Total Nickel (Ni)	ug/L	ND	2	754699	2.4	2	754699
ND = Not detected QC Batch = Quality Control Batch Please check for attached comments							

Maxxam Job #: A549646
Report Date: 2005/06/16

Earth-Water Concepts Inc
Client Project #:
Project name:
Sampler Initials:

ATLANTIC RCAP-MS TOTAL IN WATER (WATER)

Maxxam ID		G46055			G46056		
Sampling Date							
COC Number		294114			294114		
	Units	102F01-5-8 Dup	DL	QC Batch	102F01-5-9	DL	QC Batch

Total Selenium (Se)	ug/L	ND	2	754699	ND	2	754699
Total Silver (Ag)	ug/L	ND	0.5	754699	ND	0.5	754699
Total Strontium (Sr)	ug/L	34	5	754699	38	5	754699
Total Thallium (Tl)	ug/L	ND	0.1	754699	ND	0.1	754699
Total Tin (Sn)	ug/L	ND	2	754699	ND	2	754699
Total Titanium (Ti)	ug/L	ND	2	754699	3.7	2	754699
Total Uranium (U)	ug/L	ND	0.1	754699	ND	0.1	754699
Total Vanadium (V)	ug/L	ND	2	754699	ND	2	754699
Total Zinc (Zn)	ug/L	22	5	754699	150	5	754699
Elements							
Total Calcium (Ca)	mg/L	9.2	0.1	755869	4.4	0.1	755869
Total Potassium (K)	mg/L	2.7	0.1	755869	1.6	0.1	755869
Total Magnesium (Mg)	mg/L	1.0	0.1	755869	1.2	0.1	755869
Total Sodium (Na)	mg/L	26	0.1	755869	37	0.1	755869
Total Phosphorus (P)	mg/L	ND	0.1	755869	ND	0.1	755869
CALCULATION							
Bicarb. Alkalinity (calc. as CaCO3)	mg/L		1	754368	6	1	754368
Calculated TDS	mg/L		1	754363	116	1	754363
Carb. Alkalinity (calc. as CaCO3)	mg/L		1	754368	ND	1	754368
Dissolved Hardness (CaCO3)	mg/L		N/A	754323	16	N/A	754323
Langelier Index (@ 20C)	N/A		N/A	754350	-4.32	N/A	754350
Langelier Index (@ 4C)	N/A		N/A	754357	-4.57	N/A	754357
Nitrate (N)	mg/L		0.05	754343	0.14	0.05	754343
Saturation pH (@ 20C)	N/A		N/A	754350	9.93	N/A	754350
Saturation pH (@ 4C)	N/A		N/A	754357	10.2	N/A	754357
RCAP Calculations							
Anion Sum	me/L		N/A	754337	1.83	N/A	754337
Cation Sum	me/L		N/A	754337	1.98	N/A	754337
Ion Balance (% Difference)	%		N/A	754329	3.83	N/A	754329

ND = Not detected
QC Batch = Quality Control Batch
Please check for attached comments

Maxxam Job #: A549646
Report Date: 2005/06/16

Earth-Water Concepts Inc
Client Project #:
Project name:
Sampler Initials:

ATLANTIC RCAP-MS TOTAL IN WATER (WATER)

Maxxam ID		G46079		G46080		G46081		
Sampling Date								
COC Number		294114		294114		294114		
	Units	102F01-5-10	QC Batch	102F01-5-11	QC Batch	102F01-5-13	DL	QC Batch

ANIONS								
Dissolved Chloride (Cl)	mg/L	9.6	757995	13	757995	9.5	1	757995
Dissolved Sulphate (SO4)	mg/L	9.9	758702	12	758702	2.5	2	758702
CONVENTIONALS								
Total Alkalinity (Total as CaCO3)	mg/L	81	758490	74	758490	ND	5	758490
Colour	TCU	ND	757746	ND	757746	5.2	5	757746
pH	pH	6.75	756431	7.20	756431	6.09	N/A	756526
Reactive Silica (SiO2)	mg/L	12	757846	8.0	757846	4.2	0.5	757846
Turbidity	NTU	0.3	758211	1.7	758211	0.3	0.1	758211
Conductivity	uS/cm	190	756427	200	756427	47	1	756535
Nutrients								
Nitrate + Nitrite	mg/L	ND	758193	ND	758196	ND	0.05	758196
Nitrite (N)	mg/L	ND	758757	ND	758456	ND	0.01	758456
Nitrogen (Ammonia Nitrogen)	mg/L	ND	758336	ND	758339	ND	0.05	758339
Total Organic Carbon (C)	mg/L	ND	754787	ND	754787	1.3	0.5	754787
Orthophosphate (P)	mg/L	ND	757383	ND	757383	ND	0.01	758963
METALS								
Total Aluminum (Al)	ug/L	ND	755323	110	755323	71	10	755323
Total Antimony (Sb)	ug/L	ND	755323	ND	755323	ND	2	755323
Total Arsenic (As)	ug/L	2.0	755323	ND	755323	ND	2	755323
Total Barium (Ba)	ug/L	ND	755323	5.1	755323	ND	5	755323
Total Beryllium (Be)	ug/L	ND	755323	ND	755323	ND	2	755323
Total Bismuth (Bi)	ug/L	ND	755323	ND	755323	ND	2	755323
Total Boron (B)	ug/L	38	755323	51	755323	5.2	5	755323
Total Cadmium (Cd)	ug/L	ND	755323	ND	755323	ND	0.3	755323
Total Chromium (Cr)	ug/L	ND	755323	ND	755323	ND	2	755323
Total Cobalt (Co)	ug/L	ND	755323	ND	755323	ND	1	755323
Total Copper (Cu)	ug/L	4.9	755323	ND	755323	230	2	755323
Total Iron (Fe)	ug/L	ND	755323	ND	755323	64	50	755323
Total Lead (Pb)	ug/L	2.8	755323	ND	755323	0.8	0.5	755323
Total Manganese (Mn)	ug/L	43	755323	130	755323	7.3	2	755323
Total Molybdenum (Mo)	ug/L	4.2	755323	ND	755323	ND	2	755323
Total Nickel (Ni)	ug/L	ND	755323	ND	755323	ND	2	755323
Total Selenium (Se)	ug/L	ND	755323	ND	755323	ND	2	755323

ND = Not detected
QC Batch = Quality Control Batch
Please check for attached comments

Maxxam Job #: A549646
Report Date: 2005/06/16

Earth-Water Concepts Inc
Client Project #:
Project name:
Sampler Initials:

ATLANTIC RCAP-MS TOTAL IN WATER (WATER)

Maxxam ID		G46079		G46080		G46081		
Sampling Date								
COC Number		294114		294114		294114		
	Units	102F01-5-10	QC Batch	102F01-5-11	QC Batch	102F01-5-13	DL	QC Batch
Total Silver (Ag)	ug/L	ND	755323	ND	755323	ND	0.5	755323
Total Strontium (Sr)	ug/L	180	755323	180	755323	11	5	755323
Total Thallium (Tl)	ug/L	ND	755323	ND	755323	ND	0.1	755323
Total Tin (Sn)	ug/L	ND	755323	ND	755323	ND	2	755323
Total Titanium (Ti)	ug/L	ND	755323	ND	755323	ND	2	755323
Total Uranium (U)	ug/L	1.8	755323	0.4	755323	ND	0.1	755323
Total Vanadium (V)	ug/L	ND	755323	ND	755323	ND	2	755323
Total Zinc (Zn)	ug/L	22	755323	ND	755323	6.8	5	755323
Elements								
Total Calcium (Ca)	mg/L	29	755876	23	755876	1.3	0.1	755876
Total Potassium (K)	mg/L	1.4	755876	0.6	755876	0.3	0.1	755876
Total Magnesium (Mg)	mg/L	2.0	755876	1.2	755876	0.8	0.1	755876
Total Sodium (Na)	mg/L	14	755876	21	755876	6.4	0.1	755876
Total Phosphorus (P)	mg/L	ND	755876	ND	755876	ND	0.1	755876
CALCULATION								
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	80.5	754368	73.4	754368	ND	1	754368
Calculated TDS	mg/L	127	754363	123	754363	25.2	1	754363
Carb. Alkalinity (calc. as CaCO3)	mg/L	ND	754368	ND	754368	ND	1	754368
Dissolved Hardness (CaCO3)	mg/L	81	754323	62	754323	6.8	N/A	754323
Langelier Index (@ 20C)	N/A	-1.23	754350	-0.931	754350	NC	N/A	754350
Langelier Index (@ 4C)	N/A	-1.48	754357	-1.18	754357	NC	N/A	754357
Nitrate (N)	mg/L	ND	754343	ND	754343	ND	0.05	754343
Saturation pH (@ 20C)	N/A	7.98	754350	8.13	754350	NC	N/A	754350
Saturation pH (@ 4C)	N/A	8.23	754357	8.38	754357	NC	N/A	754357
RCAP Calculations								
Anion Sum	me/L	2.09	754337	2.08	754337	0.321	N/A	754337
Cation Sum	me/L	2.28	754337	2.16	754337	0.427	N/A	754337
Ion Balance (% Difference)	%	4.40	754329	1.68	754329	14.2	N/A	754329
ND = Not detected NC = Non-calculable QC Batch = Quality Control Batch Please check for attached comments								

Maxxam Job #: A549646
Report Date: 2005/06/16

Earth-Water Concepts Inc
Client Project #:
Project name:
Sampler Initials:

ATLANTIC RCAP-MS TOTAL IN WATER (WATER)

Maxxam ID		G46082		G46082		
Sampling Date						
COC Number		294114		294114		
	Units	102F01-5-15	DL	102F01-5-15 Dup	DL	QC Batch

ANIONS						
Dissolved Chloride (Cl)	mg/L	17	1	17	1	757995
Dissolved Sulphate (SO4)	mg/L	3.8	2	3.9	2	758702
CONVENTIONALS						
Total Alkalinity (Total as CaCO3)	mg/L	ND	5	ND	5	758490
Colour	TCU	ND	5	ND	5	757746
pH	pH	6.72	N/A	6.70	N/A	757920
Reactive Silica (SiO2)	mg/L	3.3	0.5	3.3	0.5	757846
Turbidity	NTU	<0.1	0.1	<0.1	0.1	758211
Conductivity	uS/cm	78	1	80	1	756427
Nutrients						
Nitrate + Nitrite	mg/L	0.57	0.05	0.57	0.05	758196
Nitrite (N)	mg/L	ND	0.01	ND	0.01	758456
Nitrogen (Ammonia Nitrogen)	mg/L	ND	0.05	ND	0.05	758339
Total Organic Carbon (C)	mg/L	0.6	0.5	0.5	0.5	754787
Orthophosphate (P)	mg/L	ND	0.01	ND	0.01	758963
METALS						
Total Aluminum (Al)	ug/L	120	10	120	10	755323
Total Antimony (Sb)	ug/L	ND	2	ND	2	755323
Total Arsenic (As)	ug/L	ND	2	ND	2	755323
Total Barium (Ba)	ug/L	9.3	5	9.2	5	755323
Total Beryllium (Be)	ug/L	ND	2	ND	2	755323
Total Bismuth (Bi)	ug/L	ND	2	ND	2	755323
Total Boron (B)	ug/L	6.8	5	7.5	5	755323
Total Cadmium (Cd)	ug/L	ND	0.3	ND	0.3	755323
Total Chromium (Cr)	ug/L	ND	2	ND	2	755323
Total Cobalt (Co)	ug/L	ND	1	ND	1	755323
Total Copper (Cu)	ug/L	18	2	17	2	755323
Total Iron (Fe)	ug/L	ND	50	ND	50	755323
Total Lead (Pb)	ug/L	ND	0.5	ND	0.5	755323
Total Manganese (Mn)	ug/L	15	2	15	2	755323
Total Molybdenum (Mo)	ug/L	ND	2	ND	2	755323
Total Nickel (Ni)	ug/L	ND	2	ND	2	755323
ND = Not detected QC Batch = Quality Control Batch Please check for attached comments						

Maxxam Job #: A549646
Report Date: 2005/06/16

Earth-Water Concepts Inc
Client Project #:
Project name:
Sampler Initials:

ATLANTIC RCAP-MS TOTAL IN WATER (WATER)

Maxxam ID		G46082		G46082		
Sampling Date						
COC Number		294114		294114		
	Units	102F01-5-15	DL	102F01-5-15 Dup	DL	QC Batch
Total Selenium (Se)	ug/L	ND	2	ND	2	755323
Total Silver (Ag)	ug/L	ND	0.5	ND	0.5	755323
Total Strontium (Sr)	ug/L	22	5	22	5	755323
Total Thallium (Tl)	ug/L	ND	0.1	ND	0.1	755323
Total Tin (Sn)	ug/L	ND	2	ND	2	755323
Total Titanium (Ti)	ug/L	ND	2	ND	2	755323
Total Uranium (U)	ug/L	ND	0.1	ND	0.1	755323
Total Vanadium (V)	ug/L	ND	2	ND	2	755323
Total Zinc (Zn)	ug/L	ND	5	ND	5	755323
Elements						
Total Calcium (Ca)	mg/L	2.9	0.1	2.9	0.1	755876
Total Potassium (K)	mg/L	0.4	0.1	0.4	0.1	755876
Total Magnesium (Mg)	mg/L	1.5	0.1	1.4	0.1	755876
Total Sodium (Na)	mg/L	9.4	0.1	9.4	0.1	755876
Total Phosphorus (P)	mg/L	ND	0.1	ND	0.1	755876
CALCULATION						
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	ND	1	TBA	TBA	754368
Calculated TDS	mg/L	40.5	1	40.7	1	754363
Carb. Alkalinity (calc. as CaCO3)	mg/L	ND	1	TBA	TBA	754368
Dissolved Hardness (CaCO3)	mg/L	13	N/A	13	N/A	754323
Langelier Index (@ 20C)	N/A	NC	N/A	NC	N/A	754350
Langelier Index (@ 4C)	N/A	NC	N/A	NC	N/A	754357
Nitrate (N)	mg/L	0.57	0.05	0.57	0.05	754343
Saturation pH (@ 20C)	N/A	NC	N/A	NC	N/A	754350
Saturation pH (@ 4C)	N/A	NC	N/A	NC	N/A	754357
RCAP Calculations						
Anion Sum	me/L	0.586	N/A	0.594	N/A	754337
Cation Sum	me/L	0.689	N/A	0.685	N/A	754337
Ion Balance (% Difference)	%	8.10	N/A	7.06	N/A	754329
ND = Not detected TBA = Result to follow NC = Non-calculable QC Batch = Quality Control Batch Please check for attached comments						

Maxxam Job #: A549646
Report Date: 2005/06/16

Earth-Water Concepts Inc
Client Project #:
Project name:
Sampler Initials:

GENERAL COMMENTS

Sample G46015-01: RCap Ion Balance acceptable. Anion / Cation agreement within 0.2 meq/L.

Sample G46045-01: RCap Ion Balance acceptable. Anion / Cation agreement within 0.2 meq/L.

Sample G46053-01: RCap Ion Balance acceptable. Anion / Cation agreement within 0.2 meq/L.

Sample G46081-01: RCap Ion Balance acceptable. Anion / Cation agreement within 0.2 meq/L.

Sample G46082-01: RCap Ion Balance acceptable. Anion / Cation agreement within 0.2 meq/L.

Results relate only to the items tested.

Earth-Water Concepts Inc
Attention: RICHARD GAGNE
Client Project #:
P.O. #:
Project name:

Quality Assurance Report

Maxxam Job Number: DA549646

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
754323 JAR	RPD	Dissolved Hardness (CaCO3)	2005/06/08	1		%	N/A
754329 JAR	RPD	Ion Balance (% Difference)	2005/06/08	13.7		%	N/A
754337 JAR	RPD	Anion Sum	2005/06/08	1.4		%	N/A
		Cation Sum	2005/06/08	0.6		%	N/A
754343 JAR	RPD	Nitrate (N)	2005/06/08	0.5		%	25
754350 JAR	RPD	Langelier Index (@ 20C)	2005/06/08	NC		%	N/A
		Saturation pH (@ 20C)	2005/06/08	NC		%	N/A
754357 JAR	RPD	Langelier Index (@ 4C)	2005/06/08	NC		%	N/A
		Saturation pH (@ 4C)	2005/06/08	NC		%	N/A
754363 JAR	RPD	Calculated TDS	2005/06/08	0.6		%	N/A
754366 JAR	RPD	Bicarb. Alkalinity (calc. as CaCO3)		TBA		%	N/A
		Carb. Alkalinity (calc. as CaCO3)		TBA		%	N/A
754368 JAR	RPD	Bicarb. Alkalinity (calc. as CaCO3)		TBA		%	N/A
		Carb. Alkalinity (calc. as CaCO3)		TBA		%	N/A
754699 JRH	MATRIX SPIKE	Total Aluminum (Al)	2005/06/08		!!2260	%	80 - 120
		Total Antimony (Sb)	2005/06/08		105	%	80 - 120
		Total Arsenic (As)	2005/06/08		106	%	80 - 120
		Total Barium (Ba)	2005/06/08		108	%	80 - 120
		Total Beryllium (Be)	2005/06/08		112	%	80 - 120
		Total Bismuth (Bi)	2005/06/08		98	%	80 - 120
		Total Boron (B)	2005/06/08		94	%	80 - 120
		Total Cadmium (Cd)	2005/06/08		107	%	80 - 120
		Total Chromium (Cr)	2005/06/08		103	%	80 - 120
		Total Cobalt (Co)	2005/06/08		!!121	%	80 - 120
		Total Copper (Cu)	2005/06/08		102	%	80 - 120
		Total Iron (Fe)	2005/06/08		!!165	%	80 - 120
		Total Lead (Pb)	2005/06/08		106	%	80 - 120
		Total Manganese (Mn)	2005/06/08		!!241	%	80 - 120
		Total Molybdenum (Mo)	2005/06/08		105	%	80 - 120
		Total Nickel (Ni)	2005/06/08		!!150	%	80 - 120
		Total Selenium (Se)	2005/06/08		100	%	80 - 120
		Total Silver (Ag)	2005/06/08		100	%	80 - 120
		Total Strontium (Sr)	2005/06/08		!!162	%	80 - 120
		Total Thallium (Tl)	2005/06/08		104	%	80 - 120
		Total Tin (Sn)	2005/06/08		107	%	80 - 120
		Total Titanium (Ti)	2005/06/08		106	%	80 - 120
		Total Uranium (U)	2005/06/08		104	%	80 - 120
		Total Vanadium (V)	2005/06/08		104	%	80 - 120
		Total Zinc (Zn)	2005/06/08		!!134	%	80 - 120
	QC STANDARD	Total Aluminum (Al)	2005/06/08		104	%	80 - 120
		Total Antimony (Sb)	2005/06/08		103	%	80 - 120
		Total Arsenic (As)	2005/06/08		104	%	80 - 120
		Total Barium (Ba)	2005/06/08		102	%	80 - 120
		Total Beryllium (Be)	2005/06/08		110	%	80 - 120
		Total Boron (B)	2005/06/08		103	%	80 - 120
		Total Cadmium (Cd)	2005/06/08		107	%	80 - 120
		Total Chromium (Cr)	2005/06/08		106	%	80 - 120
		Total Cobalt (Co)	2005/06/08		108	%	80 - 120
		Total Copper (Cu)	2005/06/08		102	%	80 - 120
		Total Iron (Fe)	2005/06/08		109	%	80 - 120
		Total Lead (Pb)	2005/06/08		108	%	80 - 120
		Total Manganese (Mn)	2005/06/08		104	%	80 - 120
		Total Molybdenum (Mo)	2005/06/08		102	%	80 - 120
		Total Nickel (Ni)	2005/06/08		102	%	80 - 120
		Total Selenium (Se)	2005/06/08		102	%	80 - 120
		Total Strontium (Sr)	2005/06/08		108	%	80 - 120

Bedford: 200 Bluewater Road Bedford NS B4B 1G9 Telephone(902)420-0203 FAX(902)420-8612

Earth-Water Concepts Inc
Attention: RICHARD GAGNE
Client Project #:
P.O. #:
Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: DA549646

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
754699 JRH	QC STANDARD	Total Thallium (Tl)	2005/06/08		97	%	80 - 120
		Total Uranium (U)	2005/06/08		104	%	80 - 120
	Spiked Blank	Total Vanadium (V)	2005/06/08		106	%	80 - 120
		Total Zinc (Zn)	2005/06/08		100	%	80 - 120
		Total Aluminum (Al)	2005/06/08		115	%	80 - 120
		Total Antimony (Sb)	2005/06/08		101	%	80 - 120
		Total Arsenic (As)	2005/06/08		95	%	80 - 120
		Total Barium (Ba)	2005/06/08		105	%	80 - 120
		Total Beryllium (Be)	2005/06/08		105	%	80 - 120
		Total Bismuth (Bi)	2005/06/08		110	%	80 - 120
		Total Boron (B)	2005/06/08		102	%	80 - 120
		Total Cadmium (Cd)	2005/06/08		100	%	80 - 120
		Total Chromium (Cr)	2005/06/08		97	%	80 - 120
		Total Cobalt (Co)	2005/06/08		98	%	80 - 120
		Total Copper (Cu)	2005/06/08		98	%	80 - 120
		Total Iron (Fe)	2005/06/08		88	%	80 - 120
		Total Lead (Pb)	2005/06/08		106	%	80 - 120
		Total Manganese (Mn)	2005/06/08		103	%	80 - 120
		Total Molybdenum (Mo)	2005/06/08		100	%	80 - 120
		Total Nickel (Ni)	2005/06/08		99	%	80 - 120
		Total Selenium (Se)	2005/06/08		96	%	80 - 120
		Total Silver (Ag)	2005/06/08		97	%	80 - 120
		Total Strontium (Sr)	2005/06/08		102	%	80 - 120
		Total Thallium (Tl)	2005/06/08		106	%	80 - 120
		Total Tin (Sn)	2005/06/08		101	%	80 - 120
		Total Titanium (Ti)	2005/06/08		98	%	80 - 120
		Total Uranium (U)	2005/06/08		104	%	80 - 120
		Total Vanadium (V)	2005/06/08		98	%	80 - 120
		Total Zinc (Zn)	2005/06/08		94	%	80 - 120
	Method Blank	Total Aluminum (Al)	2005/06/08	ND, DL=10		ug/L	
		Total Antimony (Sb)	2005/06/08	ND, DL=2		ug/L	
		Total Arsenic (As)	2005/06/08	ND, DL=2		ug/L	
		Total Barium (Ba)	2005/06/08	ND, DL=5		ug/L	
		Total Beryllium (Be)	2005/06/08	ND, DL=2		ug/L	
		Total Bismuth (Bi)	2005/06/08	ND, DL=2		ug/L	
		Total Boron (B)	2005/06/08	ND, DL=5		ug/L	
		Total Cadmium (Cd)	2005/06/08	ND, DL=0.3		ug/L	
		Total Chromium (Cr)	2005/06/08	ND, DL=2		ug/L	
		Total Cobalt (Co)	2005/06/08	ND, DL=1		ug/L	
		Total Copper (Cu)	2005/06/08	ND, DL=2		ug/L	
		Total Iron (Fe)	2005/06/08	ND, DL=50		ug/L	
		Total Lead (Pb)	2005/06/08	ND, DL=0.5		ug/L	
		Total Manganese (Mn)	2005/06/08	ND, DL=2		ug/L	
		Total Molybdenum (Mo)	2005/06/08	ND, DL=2		ug/L	
		Total Nickel (Ni)	2005/06/08	ND, DL=2		ug/L	
		Total Selenium (Se)	2005/06/08	ND, DL=2		ug/L	
		Total Silver (Ag)	2005/06/08	ND, DL=0.5		ug/L	
		Total Strontium (Sr)	2005/06/08	ND, DL=5		ug/L	
		Total Thallium (Tl)	2005/06/08	ND, DL=0.1		ug/L	
		Total Tin (Sn)	2005/06/08	ND, DL=2		ug/L	
		Total Titanium (Ti)	2005/06/08	ND, DL=2		ug/L	
		Total Uranium (U)	2005/06/08	ND, DL=0.1		ug/L	
		Total Vanadium (V)	2005/06/08	ND, DL=2		ug/L	
		Total Zinc (Zn)	2005/06/08	ND, DL=5		ug/L	
	RPD	Total Aluminum (Al)	2005/06/08	3.3		%	25
		Total Antimony (Sb)	2005/06/08	NC		%	25

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Quality Assurance Report (Continued)

Maxxam Job Number: DA549646

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
754699 JRH	RPD	Total Arsenic (As)	2005/06/08	NC		%	25
		Total Barium (Ba)	2005/06/08	1.2		%	25
		Total Beryllium (Be)	2005/06/08	NC		%	25
		Total Bismuth (Bi)	2005/06/08	NC		%	25
		Total Boron (B)	2005/06/08	NC		%	25
		Total Cadmium (Cd)	2005/06/08	NC		%	25
		Total Chromium (Cr)	2005/06/08	NC		%	25
		Total Cobalt (Co)	2005/06/08	NC		%	25
		Total Copper (Cu)	2005/06/08	3.0		%	25
		Total Iron (Fe)	2005/06/08	NC		%	25
		Total Lead (Pb)	2005/06/08	NC		%	25
		Total Manganese (Mn)	2005/06/08	1.8		%	25
		Total Molybdenum (Mo)	2005/06/08	NC		%	25
		Total Nickel (Ni)	2005/06/08	NC		%	25
		Total Selenium (Se)	2005/06/08	NC		%	25
		Total Silver (Ag)	2005/06/08	NC		%	25
		Total Strontium (Sr)	2005/06/08	2.3		%	25
		Total Thallium (Tl)	2005/06/08	NC		%	25
		Total Tin (Sn)	2005/06/08	NC		%	25
		Total Titanium (Ti)	2005/06/08	NC		%	25
		Total Uranium (U)	2005/06/08	NC		%	25
		Total Vanadium (V)	2005/06/08	NC		%	25
		Total Zinc (Zn)	2005/06/08	NC		%	25
754787 MLB	QC STANDARD	Total Organic Carbon (C)	2005/06/08		89	%	80 - 120
		Spiked Blank	2005/06/08		102	%	75 - 125
		Method Blank	2005/06/08	ND, DL=0.5		mg/L	
		RPD	2005/06/08	NC		%	25
755323 JRH	MATRIX SPIKE	Total Aluminum (Al)	2005/06/08		88	%	80 - 120
		Total Antimony (Sb)	2005/06/08		97	%	80 - 120
		Total Arsenic (As)	2005/06/08		108	%	80 - 120
		Total Barium (Ba)	2005/06/08		106	%	80 - 120
		Total Beryllium (Be)	2005/06/08		103	%	80 - 120
		Total Bismuth (Bi)	2005/06/08		89	%	80 - 120
		Total Boron (B)	2005/06/08		94	%	80 - 120
		Total Cadmium (Cd)	2005/06/08		104	%	80 - 120
		Total Chromium (Cr)	2005/06/08		99	%	80 - 120
		Total Cobalt (Co)	2005/06/08		101	%	80 - 120
		Total Copper (Cu)	2005/06/08		98	%	80 - 120
		Total Iron (Fe)	2005/06/08		99	%	80 - 120
		Total Lead (Pb)	2005/06/08		97	%	80 - 120
		Total Manganese (Mn)	2005/06/08		90	%	80 - 120
		Total Molybdenum (Mo)	2005/06/08		105	%	80 - 120
		Total Nickel (Ni)	2005/06/08		99	%	80 - 120
		Total Selenium (Se)	2005/06/08		106	%	80 - 120
		Total Silver (Ag)	2005/06/08		96	%	80 - 120
		Total Strontium (Sr)	2005/06/08		111	%	80 - 120
		Total Thallium (Tl)	2005/06/08		98	%	80 - 120
		Total Tin (Sn)	2005/06/08		94	%	80 - 120
		Total Titanium (Ti)	2005/06/08		101	%	80 - 120
		Total Uranium (U)	2005/06/08		104	%	80 - 120
		Total Vanadium (V)	2005/06/08		105	%	80 - 120
		Total Zinc (Zn)	2005/06/08		106	%	80 - 120
	QC STANDARD	Total Aluminum (Al)	2005/06/08		95	%	80 - 120
		Total Antimony (Sb)	2005/06/08		100	%	80 - 120
		Total Arsenic (As)	2005/06/08		101	%	80 - 120
		Total Barium (Ba)	2005/06/08		100	%	80 - 120

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QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
755323 JRH	QC STANDARD	Total Beryllium (Be)	2005/06/08		101	%	80 - 120
		Total Boron (B)	2005/06/08		100	%	80 - 120
		Total Cadmium (Cd)	2005/06/08		104	%	80 - 120
		Total Chromium (Cr)	2005/06/08		103	%	80 - 120
		Total Cobalt (Co)	2005/06/08		104	%	80 - 120
		Total Copper (Cu)	2005/06/08		101	%	80 - 120
		Total Iron (Fe)	2005/06/08		111	%	80 - 120
		Total Lead (Pb)	2005/06/08		104	%	80 - 120
		Total Manganese (Mn)	2005/06/08		101	%	80 - 120
		Total Molybdenum (Mo)	2005/06/08		101	%	80 - 120
		Total Nickel (Ni)	2005/06/08		100	%	80 - 120
		Total Selenium (Se)	2005/06/08		104	%	80 - 120
		Total Strontium (Sr)	2005/06/08		105	%	80 - 120
		Total Thallium (Tl)	2005/06/08		93	%	80 - 120
		Total Uranium (U)	2005/06/08		108	%	80 - 120
		Total Vanadium (V)	2005/06/08		105	%	80 - 120
		Total Zinc (Zn)	2005/06/08		101	%	80 - 120
	Spiked Blank	Total Aluminum (Al)	2005/06/08		97	%	80 - 120
		Total Antimony (Sb)	2005/06/08		94	%	80 - 120
		Total Arsenic (As)	2005/06/08		93	%	80 - 120
		Total Barium (Ba)	2005/06/08		95	%	80 - 120
		Total Beryllium (Be)	2005/06/08		97	%	80 - 120
		Total Bismuth (Bi)	2005/06/08		102	%	80 - 120
		Total Boron (B)	2005/06/08		91	%	80 - 120
		Total Cadmium (Cd)	2005/06/08		95	%	80 - 120
		Total Chromium (Cr)	2005/06/08		95	%	80 - 120
		Total Cobalt (Co)	2005/06/08		95	%	80 - 120
		Total Copper (Cu)	2005/06/08		94	%	80 - 120
		Total Iron (Fe)	2005/06/08		119	%	80 - 120
		Total Lead (Pb)	2005/06/08		96	%	80 - 120
		Total Manganese (Mn)	2005/06/08		95	%	80 - 120
		Total Molybdenum (Mo)	2005/06/08		95	%	80 - 120
		Total Nickel (Ni)	2005/06/08		96	%	80 - 120
		Total Selenium (Se)	2005/06/08		94	%	80 - 120
		Total Silver (Ag)	2005/06/08		93	%	80 - 120
		Total Strontium (Sr)	2005/06/08		97	%	80 - 120
		Total Thallium (Tl)	2005/06/08		94	%	80 - 120
		Total Tin (Sn)	2005/06/08		97	%	80 - 120
		Total Titanium (Ti)	2005/06/08		96	%	80 - 120
		Total Uranium (U)	2005/06/08		99	%	80 - 120
		Total Vanadium (V)	2005/06/08		95	%	80 - 120
		Total Zinc (Zn)	2005/06/08		95	%	80 - 120
	Method Blank	Total Aluminum (Al)	2005/06/08	ND, DL=10		ug/L	
		Total Antimony (Sb)	2005/06/08	ND, DL=2		ug/L	
		Total Arsenic (As)	2005/06/08	ND, DL=2		ug/L	
		Total Barium (Ba)	2005/06/08	ND, DL=5		ug/L	
		Total Beryllium (Be)	2005/06/08	ND, DL=2		ug/L	
		Total Bismuth (Bi)	2005/06/08	ND, DL=2		ug/L	
		Total Boron (B)	2005/06/08	ND, DL=5		ug/L	
		Total Cadmium (Cd)	2005/06/08	ND, DL=0.3		ug/L	
		Total Chromium (Cr)	2005/06/08	ND, DL=2		ug/L	
		Total Cobalt (Co)	2005/06/08	ND, DL=1		ug/L	
		Total Copper (Cu)	2005/06/08	ND, DL=2		ug/L	
		Total Iron (Fe)	2005/06/08	ND, DL=50		ug/L	
		Total Lead (Pb)	2005/06/08	ND, DL=0.5		ug/L	
		Total Manganese (Mn)	2005/06/08	ND, DL=2		ug/L	

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Quality Assurance Report (Continued)

Maxxam Job Number: DA549646

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
755323 JRH	Method Blank	Total Molybdenum (Mo)	2005/06/08	ND, DL=2		ug/L	
		Total Nickel (Ni)	2005/06/08	ND, DL=2		ug/L	
		Total Selenium (Se)	2005/06/08	ND, DL=2		ug/L	
		Total Silver (Ag)	2005/06/08	ND, DL=0.5		ug/L	
		Total Strontium (Sr)	2005/06/08	ND, DL=5		ug/L	
		Total Thallium (Tl)	2005/06/08	ND, DL=0.1		ug/L	
		Total Tin (Sn)	2005/06/08	ND, DL=2		ug/L	
		Total Titanium (Ti)	2005/06/08	ND, DL=2		ug/L	
		Total Uranium (U)	2005/06/08	ND, DL=0.1		ug/L	
		Total Vanadium (V)	2005/06/08	ND, DL=2		ug/L	
	RPD	Total Zinc (Zn)	2005/06/08	ND, DL=5		ug/L	
		Total Aluminum (Al)	2005/06/08	1.5		%	25
		Total Antimony (Sb)	2005/06/08	NC		%	25
		Total Arsenic (As)	2005/06/08	NC		%	25
		Total Barium (Ba)	2005/06/08	NC		%	25
		Total Beryllium (Be)	2005/06/08	NC		%	25
		Total Bismuth (Bi)	2005/06/08	NC		%	25
		Total Boron (B)	2005/06/08	NC		%	25
		Total Cadmium (Cd)	2005/06/08	NC		%	25
		Total Chromium (Cr)	2005/06/08	NC		%	25
		Total Cobalt (Co)	2005/06/08	NC		%	25
		Total Copper (Cu)	2005/06/08	0.8		%	25
		Total Iron (Fe)	2005/06/08	NC		%	25
		Total Lead (Pb)	2005/06/08	NC		%	25
		Total Manganese (Mn)	2005/06/08	1.2		%	25
		Total Molybdenum (Mo)	2005/06/08	NC		%	25
		Total Nickel (Ni)	2005/06/08	NC		%	25
		Total Selenium (Se)	2005/06/08	NC		%	25
		Total Silver (Ag)	2005/06/08	NC		%	25
		Total Strontium (Sr)	2005/06/08	NC		%	25
		Total Thallium (Tl)	2005/06/08	NC		%	25
		Total Tin (Sn)	2005/06/08	NC		%	25
		Total Titanium (Ti)	2005/06/08	NC		%	25
		Total Uranium (U)	2005/06/08	NC		%	25
		Total Vanadium (V)	2005/06/08	NC		%	25
		Total Zinc (Zn)	2005/06/08	NC		%	25
755723 ARS	QC STANDARD	Conductivity	2005/06/09		101	%	80 - 120
	Method Blank	Conductivity	2005/06/09	0.78		uS/cm	
	RPD	Conductivity	2005/06/09	0.5		%	25
755869 CMO	MATRIX SPIKE	Total Calcium (Ca)	2005/06/09		93	%	80 - 120
		Total Potassium (K)	2005/06/09		90	%	80 - 120
		Total Magnesium (Mg)	2005/06/09		92	%	80 - 120
		Total Sodium (Na)	2005/06/09		91	%	80 - 120
		Total Phosphorus (P)	2005/06/09		92	%	80 - 120
	QC STANDARD	Total Calcium (Ca)	2005/06/09		111	%	80 - 120
		Total Potassium (K)	2005/06/09		99	%	80 - 120
		Total Magnesium (Mg)	2005/06/09		108	%	80 - 120
		Total Sodium (Na)	2005/06/09		109	%	80 - 120
		Total Phosphorus (P)	2005/06/09		97	%	80 - 120
	Spiked Blank	Total Calcium (Ca)	2005/06/09		93	%	80 - 120
		Total Potassium (K)	2005/06/09		90	%	80 - 120
		Total Magnesium (Mg)	2005/06/09		92	%	80 - 120
		Total Sodium (Na)	2005/06/09		95	%	80 - 120
		Total Phosphorus (P)	2005/06/09		90	%	80 - 120
	Method Blank	Total Calcium (Ca)	2005/06/09	ND, DL=0.1		mg/L	
		Total Potassium (K)	2005/06/09	ND, DL=0.1		mg/L	

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QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
755869 CMO	Method Blank	Total Magnesium (Mg)	2005/06/09	ND, DL=0.1		mg/L	
		Total Sodium (Na)	2005/06/09	ND, DL=0.1		mg/L	
		Total Phosphorus (P)	2005/06/09	ND, DL=0.1		mg/L	
	RPD	Total Calcium (Ca)	2005/06/09	3.1		%	25
		Total Potassium (K)	2005/06/09	0.7		%	25
		Total Magnesium (Mg)	2005/06/09	1.7		%	25
		Total Sodium (Na)	2005/06/09	4.8		%	25
755876 CMO	MATRIX SPIKE	Total Phosphorus (P)	2005/06/09	NC		%	25
		Total Calcium (Ca)	2005/06/09		93	%	80 - 120
		Total Potassium (K)	2005/06/09		89	%	80 - 120
		Total Magnesium (Mg)	2005/06/09		91	%	80 - 120
		Total Sodium (Na)	2005/06/09		92	%	80 - 120
		Total Phosphorus (P)	2005/06/09		90	%	80 - 120
		Total Calcium (Ca)	2005/06/09		108	%	80 - 120
	QC STANDARD	Total Potassium (K)	2005/06/09		96	%	80 - 120
		Total Magnesium (Mg)	2005/06/09		105	%	80 - 120
		Total Sodium (Na)	2005/06/09		107	%	80 - 120
		Total Phosphorus (P)	2005/06/09		95	%	80 - 120
	Spiked Blank	Total Calcium (Ca)	2005/06/09		93	%	80 - 120
		Total Potassium (K)	2005/06/09		90	%	80 - 120
		Total Magnesium (Mg)	2005/06/09		91	%	80 - 120
		Total Sodium (Na)	2005/06/09		92	%	80 - 120
	Method Blank	Total Phosphorus (P)	2005/06/09		90	%	80 - 120
		Total Calcium (Ca)	2005/06/09	ND, DL=0.1		mg/L	
		Total Potassium (K)	2005/06/09	ND, DL=0.1		mg/L	
		Total Magnesium (Mg)	2005/06/09	ND, DL=0.1		mg/L	
	RPD	Total Sodium (Na)	2005/06/09	ND, DL=0.1		mg/L	
		Total Phosphorus (P)	2005/06/09	ND, DL=0.1		mg/L	
		Total Calcium (Ca)	2005/06/09	1.1		%	25
		Total Potassium (K)	2005/06/09	NC		%	25
		Total Magnesium (Mg)	2005/06/09	0.8		%	25
		Total Sodium (Na)	2005/06/09	0.4		%	25
		Total Phosphorus (P)	2005/06/09	NC		%	25
		Conductivity	2005/06/10		103	%	80 - 120
756427 ARS	QC STANDARD	Conductivity	2005/06/10	0.76		uS/cm	
	Method Blank	Conductivity	2005/06/10	2.2		%	25
	RPD	Conductivity	2005/06/10			%	25
756431 ARS	QC STANDARD	pH	2005/06/10		102	%	80 - 120
	Method Blank	pH	2005/06/10	5.64		pH	
	RPD	pH	2005/06/10	0.1		%	25
756526 ARS	QC STANDARD	pH	2005/06/10		102	%	80 - 120
	Method Blank	pH	2005/06/10	6.82		pH	
	RPD	pH	2005/06/10	0		%	25
756535 ARS	QC STANDARD	Conductivity	2005/06/10		99	%	80 - 120
	Method Blank	Conductivity	2005/06/10	0.77		uS/cm	
	RPD	Conductivity	2005/06/10	2.0		%	25
756716 ARS	QC STANDARD	pH	2005/06/10		102	%	80 - 120
	Method Blank	pH	2005/06/10	6.21		pH	
	RPD	pH	2005/06/10	1.6		%	25
757383 RBO	MATRIX SPIKE	Orthophosphate (P)	2005/06/11		94	%	80 - 120
	QC STANDARD	Orthophosphate (P)	2005/06/11		100	%	80 - 120
	Spiked Blank	Orthophosphate (P)	2005/06/11		101	%	80 - 120
	Method Blank	Orthophosphate (P)	2005/06/11	ND, DL=0.01		mg/L	
757721 KBA	QC STANDARD	Colour	2005/06/13		90	%	80 - 120
	Method Blank	Colour	2005/06/13	ND, DL=5		TCU	
	RPD	Colour	2005/06/13	NC		%	25
757746 KBA	QC STANDARD	Colour	2005/06/13		91	%	80 - 120

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QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
757746 KBA	Method Blank	Colour	2005/06/13	ND, DL=5		TCU	
	RPD	Colour	2005/06/13	NC		%	25
757833 KBA	MATRIX SPIKE	Reactive Silica (SiO2)	2005/06/13		93	%	75 - 125
	QC STANDARD	Reactive Silica (SiO2)	2005/06/13		101	%	75 - 125
	Spiked Blank	Reactive Silica (SiO2)	2005/06/13		102	%	75 - 125
	Method Blank	Reactive Silica (SiO2)	2005/06/13	ND, DL=0.5		mg/L	
	RPD	Reactive Silica (SiO2)	2005/06/13	2.9		%	25
757846 KBA	MATRIX SPIKE	Reactive Silica (SiO2)	2005/06/13		92	%	75 - 125
	QC STANDARD	Reactive Silica (SiO2)	2005/06/13		105	%	75 - 125
	Spiked Blank	Reactive Silica (SiO2)	2005/06/13		102	%	75 - 125
	Method Blank	Reactive Silica (SiO2)	2005/06/13	ND, DL=0.5		mg/L	
	RPD	Reactive Silica (SiO2)	2005/06/13	0.09		%	25
757920 ARS	QC STANDARD	pH	2005/06/13		102	%	80 - 120
	Method Blank	pH	2005/06/13	6.01		pH	
	RPD	pH	2005/06/13	0.3		%	25
757964 KBA	MATRIX SPIKE	Dissolved Chloride (Cl)	2005/06/13		104	%	80 - 120
	QC STANDARD	Dissolved Chloride (Cl)	2005/06/13		100	%	80 - 120
	Spiked Blank	Dissolved Chloride (Cl)	2005/06/13		107	%	80 - 120
	Method Blank	Dissolved Chloride (Cl)	2005/06/13	ND, DL=1		mg/L	
	RPD	Dissolved Chloride (Cl)	2005/06/13	0		%	25
757995 KBA	MATRIX SPIKE	Dissolved Chloride (Cl)	2005/06/13		104	%	80 - 120
	QC STANDARD	Dissolved Chloride (Cl)	2005/06/13		100	%	80 - 120
	Spiked Blank	Dissolved Chloride (Cl)	2005/06/13		108	%	80 - 120
	Method Blank	Dissolved Chloride (Cl)	2005/06/13	ND, DL=1		mg/L	
	RPD	Dissolved Chloride (Cl)	2005/06/13	1.6		%	25
758193 MCN	MATRIX SPIKE	Nitrate + Nitrite	2005/06/13		93	%	80 - 120
	QC STANDARD	Nitrate + Nitrite	2005/06/13		97	%	80 - 120
	Spiked Blank	Nitrate + Nitrite	2005/06/13		96	%	80 - 120
	Method Blank	Nitrate + Nitrite	2005/06/13	ND, DL=0.05		mg/L	
	RPD	Nitrate + Nitrite	2005/06/13	NC		%	25
758196 MCN	MATRIX SPIKE	Nitrate + Nitrite	2005/06/13		98	%	80 - 120
	QC STANDARD	Nitrate + Nitrite	2005/06/13		94	%	80 - 120
	Spiked Blank	Nitrate + Nitrite	2005/06/13		94	%	80 - 120
	Method Blank	Nitrate + Nitrite	2005/06/13	ND, DL=0.05		mg/L	
	RPD	Nitrate + Nitrite	2005/06/13	0.5		%	25
758211 ARS	QC STANDARD	Turbidity	2005/06/13		96	%	80 - 120
	Method Blank	Turbidity	2005/06/13	<.1		NTU	
	RPD	Turbidity	2005/06/13	NC		%	25
758336 MCN	MATRIX SPIKE	Nitrogen (Ammonia Nitrogen)	2005/06/13		94	%	80 - 120
	QC STANDARD	Nitrogen (Ammonia Nitrogen)	2005/06/13		91	%	80 - 120
	Spiked Blank	Nitrogen (Ammonia Nitrogen)	2005/06/13		92	%	80 - 120
	Method Blank	Nitrogen (Ammonia Nitrogen)	2005/06/13	ND, DL=0.05		mg/L	
	RPD	Nitrogen (Ammonia Nitrogen)	2005/06/13	NC		%	25
758339 MCN	MATRIX SPIKE	Nitrogen (Ammonia Nitrogen)	2005/06/13		93	%	80 - 120
	QC STANDARD	Nitrogen (Ammonia Nitrogen)	2005/06/13		94	%	80 - 120
	Spiked Blank	Nitrogen (Ammonia Nitrogen)	2005/06/13		83	%	80 - 120
	Method Blank	Nitrogen (Ammonia Nitrogen)	2005/06/13	ND, DL=0.05		mg/L	
	RPD	Nitrogen (Ammonia Nitrogen)	2005/06/13	NC		%	25
758456 MCN	MATRIX SPIKE	Nitrite (N)	2005/06/13		90	%	80 - 120
	QC STANDARD	Nitrite (N)	2005/06/13		85	%	80 - 120
	Spiked Blank	Nitrite (N)	2005/06/13		90	%	80 - 120
	Method Blank	Nitrite (N)	2005/06/13	ND, DL=0.01		mg/L	
	RPD	Nitrite (N)	2005/06/13	NC		%	25
758468 KBA	MATRIX SPIKE	Total Alkalinity (Total as CaCO3)	2005/06/14		90	%	80 - 120
	QC STANDARD	Total Alkalinity (Total as CaCO3)	2005/06/14		105	%	80 - 120
	Spiked Blank	Total Alkalinity (Total as CaCO3)	2005/06/14		104	%	80 - 120

Bedford: 200 Bluewater Road Bedford NS B4B 1G9 Telephone(902)420-0203 FAX(902)420-8612

Earth-Water Concepts Inc
Attention: RICHARD GAGNE
Client Project #:
P.O. #:
Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: DA549646

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
758468 KBA	Method Blank	Total Alkalinity (Total as CaCO ₃)	2005/06/14	ND, DL=5		mg/L	
	RPD	Total Alkalinity (Total as CaCO ₃)	2005/06/14	0.6		%	25
758490 KBA	MATRIX SPIKE	Total Alkalinity (Total as CaCO ₃)	2005/06/14		99	%	80 - 120
	QC STANDARD	Total Alkalinity (Total as CaCO ₃)	2005/06/14		105	%	80 - 120
	Spiked Blank	Total Alkalinity (Total as CaCO ₃)	2005/06/14		106	%	80 - 120
	Method Blank	Total Alkalinity (Total as CaCO ₃)	2005/06/14	ND, DL=5		mg/L	
	RPD	Total Alkalinity (Total as CaCO ₃)	2005/06/14	NC		%	25
758674 KBA	MATRIX SPIKE	Dissolved Sulphate (SO ₄)	2005/06/14		104	%	80 - 120
	QC STANDARD	Dissolved Sulphate (SO ₄)	2005/06/14		105	%	80 - 120
	Spiked Blank	Dissolved Sulphate (SO ₄)	2005/06/14		108	%	80 - 120
	Method Blank	Dissolved Sulphate (SO ₄)	2005/06/14	ND, DL=2		mg/L	
	RPD	Dissolved Sulphate (SO ₄)	2005/06/14	0.4		%	25
758702 KBA	MATRIX SPIKE	Dissolved Sulphate (SO ₄)	2005/06/14		106	%	80 - 120
	QC STANDARD	Dissolved Sulphate (SO ₄)	2005/06/14		106	%	80 - 120
	Spiked Blank	Dissolved Sulphate (SO ₄)	2005/06/14		105	%	80 - 120
	Method Blank	Dissolved Sulphate (SO ₄)	2005/06/14	ND, DL=2		mg/L	
	RPD	Dissolved Sulphate (SO ₄)	2005/06/14	NC		%	25
758757 MCN	QC STANDARD	Nitrite (N)	2005/06/14		95	%	80 - 120
	Spiked Blank	Nitrite (N)	2005/06/14		94	%	80 - 120
	Method Blank	Nitrite (N)	2005/06/14	ND, DL=0.01		mg/L	
758816 MCN	QC STANDARD	Nitrate + Nitrite	2005/06/14		96	%	80 - 120
	Spiked Blank	Nitrate + Nitrite	2005/06/14		102	%	80 - 120
	Method Blank	Nitrate + Nitrite	2005/06/14	ND, DL=0.05		mg/L	
758963 MCN	MATRIX SPIKE	Orthophosphate (P)	2005/06/14		106	%	80 - 120
	QC STANDARD	Orthophosphate (P)	2005/06/14		89	%	80 - 120
	Spiked Blank	Orthophosphate (P)	2005/06/14		92	%	80 - 120
	Method Blank	Orthophosphate (P)	2005/06/14	ND, DL=0.01		mg/L	
	RPD	Orthophosphate (P)	2005/06/14	NC		%	25

ND = Not detected

N/A = Not Applicable

TBA = Result to follow

NC = Non-calculable

RPD = Relative Percent Difference

QC Standard = Quality Control Standard

SPIKE = Fortified sample

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