

Earth-Water Concepts Inc.
P.O. Box 51015
Halifax, NS
Canada B3M 4R8

Attention: RICHARD GAGNE

Report Date: 2005/04/27

Your C.O.C. #: 318425

ANALYTICAL REPORT

MAXXAM JOB #: A529838

Received: 2005/04/15, 14:21

Sample Matrix: Water

Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Carbonate, Bicarbonate and Hydroxide	12	N/A	2005/04/19		
Alkalinity @	6	N/A	2005/04/19	2015_1_2	Based on EPA310.2
Alkalinity @	6	N/A	2005/04/20	2015_1_2	Based on EPA310.2
Chloride	12	N/A	2005/04/19	2045_1_2	Based on SM4500-Cl-
Colour	12	N/A	2005/04/19	2156_1_1	Based on EPA110.2
Conductance - water	12	N/A	2005/04/19	1013_1_2	Based on SM2510B
TEH in Water (PIRI) @	6	2005/04/19	2005/04/21	9025_1_5	Based on Atl. PIRI
Hardness (calculated as CaCO3)	12	N/A	2005/04/19		
Mercury (Total)	6	N/A	2005/04/19	3425_1_2	CVAA
Dis.metals in water ICP-OES	11	N/A	2005/04/20	3120_2_1	Based on EPA200.7
Total metals in water OES	1	N/A	2005/04/21	SOP 3120_2_1	Based on EPA200.7
Elements by ICPMS - dissolved (FIAS)	11	N/A	2005/04/20	3013_1_1	Based on EPA6020A
Elements by ICPMS - Total (FIAS) @	1	N/A	2005/04/21	3013_1_1	Based on EPA6020A
Ion Balance (% Difference)	12	N/A	2005/04/19		
Anion and Cation Sum	12	N/A	2005/04/19		
Nitrogen Ammonia - water	12	N/A	2005/04/19	2105_1_2	Based on USEPA 350.1
Nitrogen - Nitrate + Nitrite @	12	N/A	2005/04/19	2115_1_2	Based on EPA 353.1
Nitrogen - Nitrite @	12	N/A	2005/04/19	2125_1_1	Based on USEPA 354.1
Nitrogen - Nitrate (as N) @	12	N/A	2005/04/19	SOP 2130_1_1	Based on ASTM D3867
pH @	12	N/A	2005/04/19	1007_1_1/1011_1_2	Based on EPA150.1
Phosphorus - ortho @	12	N/A	2005/04/19	2165_1_1	Based on USEPA 365.1
VPH in Water (PIRI) @	6	2005/04/19	2005/04/21	9120_1_5	Based on Atl. PIRI
Sat. pH and Langelier Index (@ 20C)	12	N/A	2005/04/19		
Sat. pH and Langelier Index (@ 4C)	12	N/A	2005/04/19		
Reactive Silica @	12	N/A	2005/04/19	2185_1_1	Based on EPA 366.0
Sulphate @	6	N/A	2005/04/19	4065_1_2	Based on EPA 375.4
Sulphate @	6	N/A	2005/04/20	4065_1_2	Based on EPA 375.4
Total Dissolved Solids (TDS calc)	12	N/A	2005/04/19		
Organic carbon - Total (TOC) @	11	N/A	2005/04/19	2020_1_3	Based on SM 5310C
Organic carbon - Total (TOC) @	1	N/A	2005/04/20	2020_1_3	Based on SM 5310C
ModTPH (T1) Calc. for Water @	1	N/A	N/A		Based on Atl. PIRI
ModTPH (T1) Calc. for Water @	5	N/A	2005/04/22		Based on Atl. PIRI
Turbidity @	12	N/A	2005/04/20	1040_2_4	based on EPA 180.1
Volatile Organic Compounds in Water	6	N/A	2005/04/20	9615_1_3	Based on EPA624

(1) SCC/CAEAL

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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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Report Date: 2005/04/27

Your C.O.C. #: 318425

ANALYTICAL REPORT

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MAXXAM ANALYTICS INC.

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 #: A529838
Report Date: 2005/04/27

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		F61105	F61110	F61111	F61112	F61113		
Sampling Date								
COC Number		318425	318425	318425	318425	318425		
	Units	102F01-4-1	102F01-4-2	102F01-4-3	102F01-4-4	102F01-4-5	DL	QC Batch

ANIONS								
Dissolved Chloride (Cl)	mg/L	6.6	38	18	7.3	29	1	719893
Dissolved Sulphate (SO ₄)	mg/L	ND	ND	ND	ND	ND	2	719863
CONVENTIONALS								
Total Alkalinity (Total as CaCO ₃)	mg/L	ND	ND	ND	ND	ND	5	719889
Colour	TCU	68	57	80	72	72	30	719467
pH	pH	4.70	5.24	4.71	4.91	5.82	N/A	719541
Reactive Silica (SiO ₂)	mg/L	2.4	2.2	2.6	3.2	2.0	0.5	719609
Turbidity	NTU	0.3	0.6	1.2	1.3	0.3	0.1	720294
Conductivity	uS/cm	41	140	76	42	120	1	719564
Nutrients								
Nitrate + Nitrite	mg/L	0.05	0.06	0.14	0.06	0.06	0.05	719503
Nitrite (N)	mg/L	ND	ND	ND	ND	ND	0.01	719607
Nitrogen (Ammonia Nitrogen)	mg/L	0.07	0.06	ND	ND	ND	0.05	719844
Total Organic Carbon (C)	mg/L	11	8.6	11	12	12	0.5	719448
Orthophosphate (P)	mg/L	ND	ND	ND	ND	ND	0.01	719854

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

Maxxam Job #: A529838
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Earth-Water Concepts Inc.
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RESULTS OF ANALYSES OF WATER

Maxxam ID		F61113			F61115	F61115		
Sampling Date								
COC Number		318425			318425	318425		
	Units	102F01-4-5 Dup	DL	QC Batch	102F01-4-9	102F01-4-9 Dup	DL	QC Batch

ANIONS								
Dissolved Chloride (Cl)	mg/L		1	719893	12	12	1	719893
Dissolved Sulphate (SO4)	mg/L		2	719863	5.7	5.6	2	719863
CONVENTIONALS								
Total Alkalinity (Total as CaCO3)	mg/L		5	719889	120		50	724423
Colour	TCU		30	719467	ND	ND	5	719467
pH	pH		N/A	719541	6.72		N/A	719541
Reactive Silica (SiO2)	mg/L		0.5	719609	9.7	9.6	0.5	719609
Turbidity	NTU		0.1	720294	<0.1		0.1	720294
Conductivity	uS/cm		1	719564	250		1	719564
Nutrients								
Nitrate + Nitrite	mg/L		0.05	719503	0.06		0.05	719503
Nitrite (N)	mg/L		0.01	719607	ND	ND	0.01	719607
Nitrogen (Ammonia Nitrogen)	mg/L		0.05	719844	ND	ND	0.05	719844
Total Organic Carbon (C)	mg/L	10	0.5	719448	0.6		0.5	720291
Orthophosphate (P)	mg/L		0.01	719854	ND	ND	0.01	719854
ND = Not detected QC Batch = Quality Control Batch Please check for attached comments								

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RESULTS OF ANALYSES OF WATER

Maxxam ID		F61117		F61118		F61120		
Sampling Date								
COC Number		318425		318425		318425		
	Units	102F01-4-2A	DL	102F01-4-2B	DL	102F01-4-3A	DL	QC Batch

ANIONS								
Dissolved Chloride (Cl)	mg/L	7.6	1	7.2	1	10	1	719999
Dissolved Sulphate (SO4)	mg/L	ND	2	3.6	2	3.2	2	720270
CONVENTIONALS								
Total Alkalinity (Total as CaCO3)	mg/L	27	5	ND	5	47	5	720808
Colour	TCU	18	5	ND	5	ND	5	720127
pH	pH	6.86	N/A	6.31	N/A	6.66	N/A	719541
Reactive Silica (SiO2)	mg/L	18	0.5	5.5	0.5	8.1	0.5	720011
Turbidity	NTU	98	0.1	770	0.1	120	0.1	720294
Conductivity	uS/cm	110	1	44	1	150	1	719564
Nutrients								
Nitrate + Nitrite	mg/L	ND	0.05	0.07	0.05	0.07	0.05	719503
Nitrite (N)	mg/L	ND	0.01	ND	0.01	ND	0.01	720148
Nitrogen (Ammonia Nitrogen)	mg/L	ND	0.05	ND	0.05	ND	0.05	720035
Total Organic Carbon (C)	mg/L	ND	5	ND	50	ND	5	719448
Orthophosphate (P)	mg/L	ND	0.01	ND	0.01	ND	0.01	720098
ND = Not detected QC Batch = Quality Control Batch Please check for attached comments								

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RESULTS OF ANALYSES OF WATER

Maxxam ID		F61121		F61122		F61124		
Sampling Date								
COC Number		318425		318425		318425		
	Units	102F01-4-3B	QC Batch	102F01-4-4A	QC Batch	102F01-4-4B	DL	QC Batch
ANIONS								
Dissolved Chloride (Cl)	mg/L	9.8	719999	6.5	719999	6.6	1	719999
Dissolved Sulphate (SO4)	mg/L	2.9	720270	3.1	720270	2.7	2	720270
CONVENTIONALS								
Total Alkalinity (Total as CaCO3)	mg/L	35	720808	42	720808	35	5	720808
Colour	TCU	ND	720127	ND	720127	ND	5	720127
pH	pH	6.80	719541	7.00	719541	6.95	N/A	719541
Reactive Silica (SiO2)	mg/L	7.6	720011	9.5	720011	8.9	0.5	720011
Turbidity	NTU	1.4	720294	8.3	720294	110	0.1	720294
Conductivity	uS/cm	130	719564	130	719564	120	1	719564
Nutrients								
Nitrate + Nitrite	mg/L	0.06	719503	0.13	719503	0.10	0.05	719462
Nitrite (N)	mg/L	ND	720148	ND	720148	ND	0.01	720148
Nitrogen (Ammonia Nitrogen)	mg/L	ND	720035	ND	720035	0.05	0.05	720035
Total Organic Carbon (C)	mg/L	0.8	719448	ND	719463	ND	0.5	719463
Orthophosphate (P)	mg/L	ND	720098	ND	720098	ND	0.01	720098
ND = Not detected QC Batch = Quality Control Batch Please check for attached comments								

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RESULTS OF ANALYSES OF WATER

Maxxam ID		F61124		
Sampling Date				
COC Number		318425		
	Units	102F01-4-4B Dup	DL	QC Batch

ANIONS				
Dissolved Chloride (Cl)	mg/L	6.6	1	719999
Dissolved Sulphate (SO ₄)	mg/L	2.8	2	720270
CONVENTIONALS				
Total Alkalinity (Total as CaCO ₃)	mg/L	39	5	720808
Colour	TCU	ND	5	720127
pH	pH	6.95	N/A	719541
Reactive Silica (SiO ₂)	mg/L	8.8	0.5	720011
Turbidity	NTU	120	0.1	720294
Conductivity	uS/cm	120	1	719564
Nutrients				
Nitrite (N)	mg/L	ND	0.01	720148
Nitrogen (Ammonia Nitrogen)	mg/L	ND	0.05	720035
Orthophosphate (P)	mg/L	ND	0.01	720098
ND = Not detected QC Batch = Quality Control Batch Please check for attached comments				

Maxxam Job #: A529838
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EXTRACTABLE HYDROCARBONS (PIRI)

Maxxam ID		F61117	F61118	F61120	F61121	F61122		
Sampling Date								
COC Number		318425	318425	318425	318425	318425		
	Units	102F01-4-2A	102F01-4-2B	102F01-4-3A	102F01-4-3B	102F01-4-4A	DL	QC Batch

Hydrocarbons								
>C10-C21 Hydrocarbons	mg/L	ND	ND	ND	ND	ND	0.05	719492
>C21-<C32 Hydrocarbons	mg/L	ND	ND	ND	ND	ND	0.1	719492
Modified TPH (Tier1)	mg/L	ND	ND	ND	ND	ND	0.1	718850
Volatile Hydrocarbons								
Benzene	mg/L	ND	ND	ND	ND	ND	0.001	719276
Toluene	mg/L	ND	ND	ND	ND	ND	0.001	719276
Ethylbenzene	mg/L	ND	ND	ND	ND	ND	0.001	719276
Xylene (Total)	mg/L	ND	ND	ND	ND	ND	0.002	719276
C6 - C10 (less BTEX)	mg/L	ND	ND	ND	ND	ND	0.01	719276
Surrogate Recovery (%)								
Isobutylbenzene - Extractable	%	100	97	95	94	97		719492
n-Dotriacontane - Extractable	%	89	85	82	91	90		719492
Isobutylbenzene - Volatile	%	96	93	96	96	95		719276

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Maxxam Job #: A529838
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Earth-Water Concepts Inc.
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EXTRACTABLE HYDROCARBONS (PIRI)

Maxxam ID		F61124	F61124		
Sampling Date					
COC Number		318425	318425		
	Units	102F01-4-4B	102F01-4-4B Dup	DL	QC Batch

Hydrocarbons					
>C10-C21 Hydrocarbons	mg/L	ND	ND	0.05	719492
>C21-<C32 Hydrocarbons	mg/L	ND	ND	0.1	719492
Modified TPH (Tier1)	mg/L	ND	ND	0.1	718850
Volatile Hydrocarbons					
Benzene	mg/L	ND	ND	0.001	719276
Toluene	mg/L	ND	ND	0.001	719276
Ethylbenzene	mg/L	ND	ND	0.001	719276
Xylene (Total)	mg/L	ND	ND	0.002	719276
C6 - C10 (less BTEX)	mg/L	ND	ND	0.01	719276
Surrogate Recovery (%)					
Isobutylbenzene - Extractable	%	100	97		719492
n-Dotriacontane - Extractable	%	95	89		719492
Isobutylbenzene - Volatile	%	96	88		719276

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ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		F61105	F61110	F61111	F61112	F61113		
Sampling Date								
COC Number		318425	318425	318425	318425	318425		
	Units	102F01-4-1	102F01-4-2	102F01-4-3	102F01-4-4	102F01-4-5	DL	QC Batch

Elements								
Dissolved Aluminum (Al)	ug/L	210	200	180	370	240	10	720279
Dissolved Antimony (Sb)	ug/L	ND	ND	ND	ND	ND	2	720279
Dissolved Arsenic (As)	ug/L	ND	ND	3.0	ND	8.8	2	720279
Dissolved Barium (Ba)	ug/L	ND	10	ND	5.1	5.7	5	720279
Dissolved Beryllium (Be)	ug/L	ND	ND	ND	ND	ND	2	720279
Dissolved Bismuth (Bi)	ug/L	ND	ND	ND	ND	ND	2	720279
Dissolved Boron (B)	ug/L	ND	ND	ND	ND	ND	5	720279
Dissolved Calcium (Ca)	mg/L	0.3	3.1	1.7	1.3	4.2	0.1	720837
Dissolved Cadmium (Cd)	ug/L	ND	ND	ND	ND	ND	0.3	720279
Dissolved Potassium (K)	mg/L	0.5	0.8	0.7	0.4	0.4	0.1	720837
Dissolved Chromium (Cr)	ug/L	ND	ND	ND	ND	ND	2	720279
Dissolved Magnesium (Mg)	mg/L	0.4	0.7	0.7	0.5	0.9	0.1	720837
Dissolved Cobalt (Co)	ug/L	ND	ND	ND	ND	2.6	1	720279
Dissolved Sodium (Na)	mg/L	4.4	24	11	4.9	17	0.1	720837
Dissolved Copper (Cu)	ug/L	ND	ND	ND	ND	ND	2	720279
Dissolved Phosphorus (P)	mg/L	ND	ND	ND	ND	ND	0.1	720837
Dissolved Iron (Fe)	ug/L	300	150	190	370	420	50	720279
Dissolved Lead (Pb)	ug/L	ND	0.6	0.6	0.6	ND	0.5	720279
Dissolved Manganese (Mn)	ug/L	9.8	38	52	6.3	520	2	720279
Dissolved Molybdenum (Mo)	ug/L	ND	ND	ND	ND	ND	2	720279
Dissolved Nickel (Ni)	ug/L	ND	ND	ND	ND	ND	2	720279
Dissolved Selenium (Se)	ug/L	ND	ND	ND	ND	ND	2	720279
Dissolved Silver (Ag)	ug/L	ND	ND	ND	ND	ND	0.5	720279
Dissolved Strontium (Sr)	ug/L	ND	17	12	5.2	29	5	720279
Dissolved Thallium (Tl)	ug/L	ND	ND	ND	ND	ND	0.1	720279
Dissolved Tin (Sn)	ug/L	ND	ND	ND	ND	ND	2	720279
Dissolved Titanium (Ti)	ug/L	2.6	2.4	ND	4.3	2.0	2	720279
Dissolved Uranium (U)	ug/L	ND	ND	ND	ND	ND	0.1	720279
Dissolved Vanadium (V)	ug/L	ND	ND	ND	ND	ND	2	720279
Dissolved Zinc (Zn)	ug/L	ND	5.4	8.1	34	6.8	5	720279

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ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		F61115	F61117	F61118	F61120	F61121		
Sampling Date								
COC Number		318425	318425	318425	318425	318425		
	Units	102F01-4-9	102F01-4-2A	102F01-4-2B	102F01-4-3A	102F01-4-3B	DL	QC Batch

METALS								
Total Aluminum (Al)	ug/L	ND					10	721316
Total Antimony (Sb)	ug/L	ND					2	721316
Total Arsenic (As)	ug/L	ND					2	721316
Total Barium (Ba)	ug/L	ND					5	721316
Total Beryllium (Be)	ug/L	ND					2	721316
Total Bismuth (Bi)	ug/L	ND					2	721316
Total Boron (B)	ug/L	17					5	721316
Total Cadmium (Cd)	ug/L	ND					0.3	721316
Total Chromium (Cr)	ug/L	ND					2	721316
Total Cobalt (Co)	ug/L	5.8					1	721316
Total Copper (Cu)	ug/L	11					2	721316
Total Iron (Fe)	ug/L	ND					50	721316
Total Lead (Pb)	ug/L	ND					0.5	721316
Total Manganese (Mn)	ug/L	1100					2	721316
Total Molybdenum (Mo)	ug/L	ND					2	721316
Total Nickel (Ni)	ug/L	4.2					2	721316
Total Selenium (Se)	ug/L	ND					2	721316
Total Silver (Ag)	ug/L	ND					0.5	721316
Total Strontium (Sr)	ug/L	120					5	721316
Total Thallium (Tl)	ug/L	ND					0.1	721316
Total Tin (Sn)	ug/L	ND					2	721316
Total Titanium (Ti)	ug/L	ND					2	721316
Total Uranium (U)	ug/L	ND					0.1	721316
Total Vanadium (V)	ug/L	ND					2	721316
Total Zinc (Zn)	ug/L	26					5	721316
Elements								
Total Mercury (Hg)	ug/L		ND	ND	ND	ND	0.05	719506
Dissolved Aluminum (Al)	ug/L		79	46	53	ND	10	720279
Dissolved Antimony (Sb)	ug/L		ND	ND	ND	ND	2	720279
Dissolved Arsenic (As)	ug/L		2.0	ND	12	3.2	2	720279
Dissolved Barium (Ba)	ug/L		6.2	5.4	6.4	ND	5	720279
Dissolved Beryllium (Be)	ug/L		ND	ND	ND	ND	2	720279
Dissolved Bismuth (Bi)	ug/L		ND	ND	ND	ND	2	720279

ND = Not detected
QC Batch = Quality Control Batch
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Client Project #:
Project name:
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		F61115	F61117	F61118	F61120	F61121		
Sampling Date								
COC Number		318425	318425	318425	318425	318425		
	Units	102F01-4-9	102F01-4-2A	102F01-4-2B	102F01-4-3A	102F01-4-3B	DL	QC Batch

Dissolved Boron (B)	ug/L		6.3	5.8	5.4	ND	5	720279
Dissolved Calcium (Ca)	mg/L		6.4	1.0	18	16	0.1	720837
Total Calcium (Ca)	mg/L	38					0.1	721705
Dissolved Cadmium (Cd)	ug/L		ND	ND	ND	ND	0.3	720279
Dissolved Potassium (K)	mg/L		2.9	0.6	1.8	1.4	0.1	720837
Total Potassium (K)	mg/L	1.6					0.1	721705
Dissolved Chromium (Cr)	ug/L		ND	ND	ND	ND	2	720279
Dissolved Magnesium (Mg)	mg/L		2.3	0.7	1.0	0.8	0.1	720837
Total Magnesium (Mg)	mg/L	4.2					0.1	721705
Dissolved Cobalt (Co)	ug/L		ND	3.1	ND	ND	1	720279
Dissolved Sodium (Na)	mg/L		11	6.0	9.6	7.3	0.1	720837
Total Sodium (Na)	mg/L	10					0.2	721705
Dissolved Copper (Cu)	ug/L		ND	13	ND	ND	2	720279
Dissolved Phosphorus (P)	mg/L		ND	ND	ND	ND	0.1	720837
Total Phosphorus (P)	mg/L	ND					0.1	721705
Dissolved Iron (Fe)	ug/L		4200	560	470	130	50	720279
Dissolved Lead (Pb)	ug/L		ND	ND	ND	ND	0.5	720279
Dissolved Manganese (Mn)	ug/L		360	140	120	35	2	720279
Dissolved Molybdenum (Mo)	ug/L		2.2	36	15	6.3	2	720279
Dissolved Nickel (Ni)	ug/L		ND	6.5	ND	ND	2	720279
Dissolved Selenium (Se)	ug/L		ND	ND	ND	ND	2	720279
Dissolved Silver (Ag)	ug/L		ND	ND	ND	ND	0.5	720279
Dissolved Strontium (Sr)	ug/L		39	15	93	85	5	720279
Dissolved Thallium (Tl)	ug/L		ND	ND	ND	ND	0.1	720279
Dissolved Tin (Sn)	ug/L		ND	ND	ND	ND	2	720279
Dissolved Titanium (Ti)	ug/L		2.4	ND	ND	ND	2	720279
Dissolved Uranium (U)	ug/L		ND	ND	0.5	0.2	0.1	720279
Dissolved Vanadium (V)	ug/L		ND	ND	ND	ND	2	720279
Dissolved Zinc (Zn)	ug/L		7.5	7.8	5.7	ND	5	720279

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

Maxxam Job #: A529838
Report Date: 2005/04/27

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

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		F61122	F61124	F61124		
Sampling Date						
COC Number		318425	318425	318425		
	Units	102F01-4-4A	102F01-4-4B	102F01-4-4B Dup	DL	QC Batch

Elements						
Total Mercury (Hg)	ug/L	ND	ND		0.05	719506
Dissolved Aluminum (Al)	ug/L	31	28	27	10	720279
Dissolved Antimony (Sb)	ug/L	ND	ND	ND	2	720279
Dissolved Arsenic (As)	ug/L	ND	ND	ND	2	720279
Dissolved Barium (Ba)	ug/L	6.5	ND	5.1	5	720279
Dissolved Beryllium (Be)	ug/L	ND	ND	ND	2	720279
Dissolved Bismuth (Bi)	ug/L	ND	ND	ND	2	720279
Dissolved Boron (B)	ug/L	5.1	ND	ND	5	720279
Dissolved Calcium (Ca)	mg/L	14	14	15	0.1	720837
Dissolved Cadmium (Cd)	ug/L	ND	ND	ND	0.3	720279
Dissolved Potassium (K)	mg/L	2.0	1.9	1.9	0.1	720837
Dissolved Chromium (Cr)	ug/L	ND	ND	ND	2	720279
Dissolved Magnesium (Mg)	mg/L	1.0	1.0	1.2	0.1	720837
Dissolved Cobalt (Co)	ug/L	ND	ND	ND	1	720279
Dissolved Sodium (Na)	mg/L	8.2	7.2	7.2	0.1	720837
Dissolved Copper (Cu)	ug/L	ND	ND	ND	2	720279
Dissolved Phosphorus (P)	mg/L	ND	ND	ND	0.1	720837
Dissolved Iron (Fe)	ug/L	ND	ND	ND	50	720279
Dissolved Lead (Pb)	ug/L	ND	ND	ND	0.5	720279
Dissolved Manganese (Mn)	ug/L	47	55	55	2	720279
Dissolved Molybdenum (Mo)	ug/L	28	28	27	2	720279
Dissolved Nickel (Ni)	ug/L	2.2	2.2	2.3	2	720279
Dissolved Selenium (Se)	ug/L	ND	ND	ND	2	720279
Dissolved Silver (Ag)	ug/L	ND	ND	ND	0.5	720279
Dissolved Strontium (Sr)	ug/L	70	63	64	5	720279
Dissolved Thallium (Tl)	ug/L	ND	ND	ND	0.1	720279
Dissolved Tin (Sn)	ug/L	ND	ND	ND	2	720279
Dissolved Titanium (Ti)	ug/L	ND	ND	ND	2	720279
Dissolved Uranium (U)	ug/L	0.2	0.1	0.1	0.1	720279
Dissolved Vanadium (V)	ug/L	ND	ND	ND	2	720279
Dissolved Zinc (Zn)	ug/L	ND	ND	ND	5	720279

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

Maxxam Job #: A529838
Report Date: 2005/04/27

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

VOLATILE ORGANICS BY GC-MS (WATER)

Maxxam ID		F61117	F61118	F61120	F61121	F61122		
Sampling Date								
COC Number		318425	318425	318425	318425	318425		
	Units	102F01-4-2A	102F01-4-2B	102F01-4-3A	102F01-4-3B	102F01-4-4A	DL	QC Batch

CHLOROBENZENES								
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	0.5	720137
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	1	720137
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	1	720137
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	1	720137
VOLATILES								
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	1	720137
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	1	720137
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	1	720137
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	2	720137
1,1-Dichloroethylene	ug/L	ND	ND	ND	ND	ND	2	720137
1,2-Dibromoethane (EDB)	ug/L	ND	ND	ND	ND	ND	1	720137
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	1	720137
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	1	720137
Benzene	ug/L	ND	ND	ND	ND	ND	1	720137
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	1	720137
Bromoform	ug/L	ND	ND	ND	ND	ND	1	720137
Bromomethane	ug/L	ND	ND	ND	ND	ND	8	720137
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	1	720137
Chloroethane	ug/L	ND	ND	ND	ND	ND	8	720137
Chloroform	ug/L	ND	1.9	ND	ND	ND	1	720137
Chloromethane	ug/L	ND	ND	ND	ND	ND	8	720137
cis-1,2-Dichloroethylene	ug/L	ND	ND	ND	ND	ND	2	720137
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	2	720137
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	1	720137
Dichloromethane(Methylene Chloride)	ug/L	ND	ND	ND	ND	ND	3	720137
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	1	720137
o-Xylene	ug/L	ND	ND	ND	ND	ND	1	720137
p+m-Xylene	ug/L	ND	ND	ND	ND	ND	2	720137
Styrene	ug/L	ND	ND	ND	ND	ND	1	720137
Tetrachloroethylene	ug/L	ND	ND	ND	ND	ND	1	720137
Toluene	ug/L	ND	ND	ND	ND	ND	1	720137
trans-1,2-Dichloroethylene	ug/L	ND	ND	ND	ND	ND	2	720137
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	1	720137

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

Maxxam Job #: A529838
Report Date: 2005/04/27

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

VOLATILE ORGANICS BY GC-MS (WATER)

Maxxam ID		F61117	F61118	F61120	F61121	F61122		
Sampling Date								
COC Number		318425	318425	318425	318425	318425		
	Units	102F01-4-2A	102F01-4-2B	102F01-4-3A	102F01-4-3B	102F01-4-4A	DL	QC Batch

Trichloroethylene	ug/L	ND	ND	ND	ND	ND	1	720137
Trichlorofluoromethane (FREON 11)	ug/L	ND	ND	ND	ND	ND	8	720137
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	1	720137
Surrogate Recovery (%)								
4-Bromofluorobenzene	%	97	95	97	94	97		720137
D4-1,2-Dichloroethane	%	100	99	99	98	99		720137
D8-Toluene	%	95	93	93	93	93		720137

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

Maxxam Job #: A529838
Report Date: 2005/04/27

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

VOLATILE ORGANICS BY GC-MS (WATER)

Maxxam ID		F61124	F61124		
Sampling Date					
COC Number		318425	318425		
	Units	102F01-4-4B	102F01-4-4B Dup	DL	QC Batch

CHLOROBENZENES					
1,2-Dichlorobenzene	ug/L	ND	ND	0.5	720137
1,3-Dichlorobenzene	ug/L	ND	ND	1	720137
1,4-Dichlorobenzene	ug/L	ND	ND	1	720137
Chlorobenzene	ug/L	ND	ND	1	720137
VOLATILES					
1,1,1-Trichloroethane	ug/L	ND	ND	1	720137
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	1	720137
1,1,2-Trichloroethane	ug/L	ND	ND	1	720137
1,1-Dichloroethane	ug/L	ND	ND	2	720137
1,1-Dichloroethylene	ug/L	ND	ND	2	720137
1,2-Dibromoethane (EDB)	ug/L	ND	ND	1	720137
1,2-Dichloroethane	ug/L	ND	ND	1	720137
1,2-Dichloropropane	ug/L	ND	ND	1	720137
Benzene	ug/L	ND	ND	1	720137
Bromodichloromethane	ug/L	ND	ND	1	720137
Bromoform	ug/L	ND	ND	1	720137
Bromomethane	ug/L	ND	ND	8	720137
Carbon Tetrachloride	ug/L	ND	ND	1	720137
Chloroethane	ug/L	ND	ND	8	720137
Chloroform	ug/L	ND	ND	1	720137
Chloromethane	ug/L	ND	ND	8	720137
cis-1,2-Dichloroethylene	ug/L	ND	ND	2	720137
cis-1,3-Dichloropropene	ug/L	ND	ND	2	720137
Dibromochloromethane	ug/L	ND	ND	1	720137
Dichloromethane(Methylene Chloride)	ug/L	ND	ND	3	720137
Ethylbenzene	ug/L	ND	ND	1	720137
o-Xylene	ug/L	ND	ND	1	720137
p+m-Xylene	ug/L	ND	ND	2	720137
Styrene	ug/L	ND	ND	1	720137
Tetrachloroethylene	ug/L	ND	ND	1	720137
Toluene	ug/L	ND	ND	1	720137
trans-1,2-Dichloroethylene	ug/L	ND	ND	2	720137
ND = Not detected QC Batch = Quality Control Batch Please check for attached comments					

Maxxam Job #: A529838
Report Date: 2005/04/27

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

VOLATILE ORGANICS BY GC-MS (WATER)

Maxxam ID		F61124	F61124		
Sampling Date					
COC Number		318425	318425		
	Units	102F01-4-4B	102F01-4-4B Dup	DL	QC Batch

trans-1,3-Dichloropropene	ug/L	ND	ND	1	720137
Trichloroethylene	ug/L	ND	ND	1	720137
Trichlorofluoromethane (FREON 11)	ug/L	ND	ND	8	720137
Vinyl Chloride	ug/L	ND	ND	1	720137
Surrogate Recovery (%)					
4-Bromofluorobenzene	%	96	99		720137
D4-1,2-Dichloroethane	%	97	100		720137
D8-Toluene	%	97	97		720137

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

Maxxam Job #: A529838
Report Date: 2005/04/27

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

CALCULATED PARAMETERS (WATER)

Maxxam ID		F61105	F61110	F61111	F61112	F61113		
Sampling Date								
COC Number		318425	318425	318425	318425	318425		
	Units	102F01-4-1	102F01-4-2	102F01-4-3	102F01-4-4	102F01-4-5	DL	QC Batch

CALCULATION								
Bicarb. Alkalinity (calc. as CaCO ₃)	mg/L	ND	ND	ND	ND	ND	1	719016
Calculated TDS	mg/L	15.2	69.4	35.3	18.4	54.6	1	719023
Carb. Alkalinity (calc. as CaCO ₃)	mg/L	ND	ND	ND	ND	ND	1	719016
Dissolved Hardness (CaCO ₃)	mg/L	2.4	11	7.3	5.6	14	N/A	719017
Langelier Index (@ 20C)	N/A	NC	NC	NC	NC	NC	N/A	719021
Langelier Index (@ 4C)	N/A	NC	NC	NC	NC	NC	N/A	719022
Nitrate (N)	mg/L	0.05	0.06	0.14	0.06	0.06	0.05	719020
Saturation pH (@ 20C)	N/A	NC	NC	NC	NC	NC	N/A	719021
Saturation pH (@ 4C)	N/A	NC	NC	NC	NC	NC	N/A	719022
RCAP Calculations								
Anion Sum	me/L	0.188	1.08	0.520	0.211	0.819	N/A	719019
Cation Sum	me/L	0.289	1.28	0.650	0.363	1.05	N/A	719019
Ion Balance (% Difference)	%	21.0	8.41	11.1	26.4	12.2	N/A	719018

ND = Not detected
NC = Non-calculable
QC Batch = Quality Control Batch
Please check for attached comments

Maxxam Job #: A529838
Report Date: 2005/04/27

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

CALCULATED PARAMETERS (WATER)

Maxxam ID		F61115	F61117	F61118	F61120	F61121		
Sampling Date								
COC Number		318425	318425	318425	318425	318425		
	Units	102F01-4-9	102F01-4-2A	102F01-4-2B	102F01-4-3A	102F01-4-3B	DL	QC Batch

CALCULATION								
Bicarb. Alkalinity (calc. as CaCO ₃)	mg/L	118	27.4	ND	47.1	35.1	1	719016
Calculated TDS	mg/L	154	70.2	25.7	81.5	67.3	1	719023
Carb. Alkalinity (calc. as CaCO ₃)	mg/L	ND	ND	ND	ND	ND	1	719016
Dissolved Hardness (CaCO ₃)	mg/L	110	25	5.4	49	43	N/A	719017
Langelier Index (@ 20C)	N/A	-0.994	-2.22	NC	-1.74	-1.77	N/A	719021
Langelier Index (@ 4C)	N/A	-1.24	-2.47	NC	-2.00	-2.03	N/A	719022
Nitrate (N)	mg/L	0.06	ND	0.07	0.07	0.06	0.05	719020
Saturation pH (@ 20C)	N/A	7.71	9.08	NC	8.40	8.57	N/A	719021
Saturation pH (@ 4C)	N/A	7.96	9.33	NC	8.66	8.83	N/A	719022
RCAP Calculations								
Anion Sum	me/L	2.83	0.763	0.282	1.31	1.04	N/A	719019
Cation Sum	me/L	2.75	1.25	0.407	1.46	1.23	N/A	719019
Ion Balance (% Difference)	%	1.49	24.1	18.1	5.52	8.07	N/A	719018

ND = Not detected
NC = Non-calculable
QC Batch = Quality Control Batch
Please check for attached comments

Maxxam Job #: A529838
Report Date: 2005/04/27

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

CALCULATED PARAMETERS (WATER)

Maxxam ID		F61122	F61124		F61124		
Sampling Date							
COC Number		318425	318425		318425		
	Units	102F01-4-4A	102F01-4-4B	DL	102F01-4-4B Dup	DL	QC Batch

CALCULATION							
Bicarb. Alkalinity (calc. as CaCO ₃)	mg/L	41.8	34.7	1	38.8	1	719016
Calculated TDS	mg/L	70.4	63.5	1	67.3	1	719023
Carb. Alkalinity (calc. as CaCO ₃)	mg/L	ND	ND	1	ND	1	719016
Dissolved Hardness (CaCO ₃)	mg/L	40	38	N/A	43	N/A	719017
Langelier Index (@ 20C)	N/A	-1.55	-1.69	N/A	-1.60	N/A	719021
Langelier Index (@ 4C)	N/A	-1.80	-1.94	N/A	-1.85	N/A	719022
Nitrate (N)	mg/L	0.13	0.10	0.05	TBA	TBA	719020
Saturation pH (@ 20C)	N/A	8.55	8.64	N/A	8.55	N/A	719021
Saturation pH (@ 4C)	N/A	8.80	8.89	N/A	8.80	N/A	719022
RCAP Calculations							
Anion Sum	me/L	1.09	0.945	N/A	1.02	N/A	719019
Cation Sum	me/L	1.21	1.13	N/A	1.23	N/A	719019
Ion Balance (% Difference)	%	5.04	9.04	N/A	9.20	N/A	719018
ND = Not detected TBA = Result to follow QC Batch = Quality Control Batch Please check for attached comments							

Maxxam Job #: A529838
Report Date: 2005/04/27

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

GENERAL COMMENTS

Significant biases may exist in Hardness, Cation Sum, Ion Balance, Calculated TDS, Saturated pH, and Langlier Index due to the use of total metals for calculations. Maxxam Analytics strongly recommends Dissolved Metals for RCap.

Sample F61105-01: RCap Ion Balance acceptable. Anion/cation agreement within 0.2 meq/L.

Sample F61110-01: RCap Ion Balance acceptable. Anion/cation agreement within 0.2 meq/L.

Sample F61111-01: RCap Ion Balance acceptable. Anion/cation agreement within 0.2 meq/L.

Sample F61112-01: RCap Ion Balance acceptable. Anion/cation agreement within 0.2 meq/L.

Sample F61113-01: RCap Ion Balance acceptable. Anion/cation agreement within 0.2 meq/L.

Sample F61117-01: Elevated detection limit for TOC due to matrix interference.

TEH sample contained sediment.

Poor RCap Ion Balance due to sample matrix. Excess cations due to presence of turbidity.

Sample F61118-01: Elevated detection limit for TOC due to matrix interference.

TEH sample contained sediment.

RCap Ion Balance acceptable. Anion/cation agreement within 0.2 meq/L.

Sample F61120-01: Elevated detection limit for TOC due to matrix interference.

TEH sample contained sediment.

RCap Ion Balance acceptable. Anion/cation agreement within 0.2 meq/L.

Sample F61121-01: RCap Ion Balance acceptable. Anion/cation agreement within 0.2 meq/L.

Sample F61122-01: TEH sample contained sediment.

RCap Ion Balance acceptable. Anion/cation agreement within 0.2 meq/L.

Sample F61124-01: TEH sample contained sediment.

Poor RCap Ion Balance due to sample matrix. Excess cations due to presence of turbidity.

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: DA529838

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
718850 GGI	RPD	Modified TPH (Tier1)		NC		%	N/A
719016 JAR	RPD	Bicarb. Alkalinity (calc. as CaCO3)	2005/04/19	11.1		%	N/A
		Carb. Alkalinity (calc. as CaCO3)	2005/04/19	NC		%	N/A
719017 JAR	RPD	Dissolved Hardness (CaCO3)	2005/04/19	12.1		%	N/A
719018 JAR	RPD	Ion Balance (% Difference)	2005/04/19	1.8		%	N/A
719019 JAR	RPD	Anion Sum	2005/04/19	7.7		%	N/A
		Cation Sum	2005/04/19	8.0		%	N/A
719020 JAR	RPD	Nitrate (N)	2005/04/19	NC		%	25
719021 JAR	RPD	Langelier Index (@ 20C)	2005/04/19	NC		%	N/A
		Saturation pH (@ 20C)	2005/04/19	1.1		%	N/A
719022 JAR	RPD	Langelier Index (@ 4C)	2005/04/19	NC		%	N/A
		Saturation pH (@ 4C)	2005/04/19	1.1		%	N/A
719023 JAR	RPD	Calculated TDS	2005/04/19	5.8		%	N/A
719276 MSK	MATRIX SPIKE	Isobutylbenzene - Volatile	2005/04/21		91	%	70 - 130
		Benzene	2005/04/21		104	%	70 - 130
		Toluene	2005/04/21		104	%	70 - 130
		Ethylbenzene	2005/04/21		109	%	70 - 130
		Xylene (Total)	2005/04/21		110	%	70 - 130
	Spiked Blank	Isobutylbenzene - Volatile	2005/04/21		98	%	70 - 130
		Benzene	2005/04/21		109	%	70 - 130
		Toluene	2005/04/21		113	%	70 - 130
		Ethylbenzene	2005/04/21		113	%	70 - 130
		Xylene (Total)	2005/04/21		114	%	70 - 130
	Method Blank	Isobutylbenzene - Volatile	2005/04/21		97	%	70 - 130
		Benzene	2005/04/21	ND, DL=0.001		mg/L	
		Toluene	2005/04/21	ND, DL=0.001		mg/L	
		Ethylbenzene	2005/04/21	ND, DL=0.001		mg/L	
		Xylene (Total)	2005/04/21	ND, DL=0.002		mg/L	
		C6 - C10 (less BTEX)	2005/04/21	ND, DL=0.01		mg/L	
	RPD	Benzene	2005/04/21	NC		%	40
		Toluene	2005/04/21	NC		%	40
		Ethylbenzene	2005/04/21	NC		%	40
		Xylene (Total)	2005/04/21	NC		%	40
		C6 - C10 (less BTEX)	2005/04/21	NC		%	40
719448 MLB	MATRIX SPIKE	Total Organic Carbon (C)	2005/04/19		94	%	75 - 125
	QC STANDARD	Total Organic Carbon (C)	2005/04/19		93	%	80 - 120
	Spiked Blank	Total Organic Carbon (C)	2005/04/19		103	%	75 - 125
	Method Blank	Total Organic Carbon (C)	2005/04/19	ND, DL=0.5		mg/L	
	RPD	Total Organic Carbon (C)	2005/04/19	10.2		%	25
719462 MCN	QC STANDARD	Nitrate + Nitrite	2005/04/19		101	%	80 - 120
	Spiked Blank	Nitrate + Nitrite	2005/04/19		100	%	80 - 120
	Method Blank	Nitrate + Nitrite	2005/04/19	ND, DL=0.05		mg/L	
719463 MLB	QC STANDARD	Total Organic Carbon (C)	2005/04/19		99	%	80 - 120
	Spiked Blank	Total Organic Carbon (C)	2005/04/19		103	%	75 - 125
	Method Blank	Total Organic Carbon (C)	2005/04/19	ND, DL=0.5		mg/L	
719467 KBA	QC STANDARD	Colour	2005/04/19		108	%	80 - 120
	Method Blank	Colour	2005/04/19	ND, DL=5		TCU	
	RPD	Colour	2005/04/19	NC		%	25
719492 AON	MATRIX SPIKE	Isobutylbenzene - Extractable	2005/04/21		94	%	30 - 130
		n-Dotriacontane - Extractable	2005/04/21		93	%	30 - 130
		>C10-C21 Hydrocarbons	2005/04/21		95	%	30 - 130
		>C21-<C32 Hydrocarbons	2005/04/21		100	%	30 - 130
	Spiked Blank	Isobutylbenzene - Extractable	2005/04/21		97	%	30 - 130
		n-Dotriacontane - Extractable	2005/04/21		95	%	30 - 130
		>C10-C21 Hydrocarbons	2005/04/21		95	%	30 - 130
		>C21-<C32 Hydrocarbons	2005/04/21		99	%	30 - 130

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QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
719492 AON	Method Blank	Isobutylbenzene - Extractable	2005/04/21		94	%	30 - 130
		n-Dotriacontane - Extractable	2005/04/21		91	%	30 - 130
		>C10-C21 Hydrocarbons	2005/04/21	ND, DL=0.05		mg/L	
		>C21-<C32 Hydrocarbons	2005/04/21	ND, DL=0.1		mg/L	
	RPD	>C10-C21 Hydrocarbons	2005/04/21	NC		%	40
		>C21-<C32 Hydrocarbons	2005/04/21	NC		%	40
719503 MCN	QC STANDARD	Nitrate + Nitrite	2005/04/19		102	%	80 - 120
	Spiked Blank	Nitrate + Nitrite	2005/04/19		102	%	80 - 120
	Method Blank	Nitrate + Nitrite	2005/04/19	ND, DL=0.05		mg/L	
719506 SSI	MATRIX SPIKE	Total Mercury (Hg)	2005/04/19		99	%	80 - 120
	QC STANDARD	Total Mercury (Hg)	2005/04/19		100	%	80 - 120
	Spiked Blank	Total Mercury (Hg)	2005/04/19		101	%	80 - 120
	Method Blank	Total Mercury (Hg)	2005/04/19	ND, DL=0.05		ug/L	
	RPD	Total Mercury (Hg)	2005/04/19	NC		%	25
719541 ARS	QC STANDARD	pH	2005/04/19		102	%	80 - 120
	Method Blank	pH	2005/04/19	5.63		pH	
	RPD	pH	2005/04/19	0		%	25
719564 ARS	QC STANDARD	Conductivity	2005/04/19		102	%	80 - 120
	Method Blank	Conductivity	2005/04/19	ND, DL=1		uS/cm	
	RPD	Conductivity	2005/04/19	1.7		%	25
719607 KBA	MATRIX SPIKE	Nitrite (N)	2005/04/19		96	%	80 - 120
	QC STANDARD	Nitrite (N)	2005/04/19		97	%	80 - 120
	Spiked Blank	Nitrite (N)	2005/04/19		114	%	80 - 120
	Method Blank	Nitrite (N)	2005/04/19	ND, DL=0.01		mg/L	
	RPD	Nitrite (N)	2005/04/19	NC		%	25
719609 KBA	MATRIX SPIKE	Reactive Silica (SiO2)	2005/04/19		83	%	75 - 125
	QC STANDARD	Reactive Silica (SiO2)	2005/04/19		96	%	75 - 125
	Spiked Blank	Reactive Silica (SiO2)	2005/04/19		88	%	75 - 125
	Method Blank	Reactive Silica (SiO2)	2005/04/19	ND, DL=0.5		mg/L	
	RPD	Reactive Silica (SiO2)	2005/04/19	0.4		%	25
719844 KBA	MATRIX SPIKE	Nitrogen (Ammonia Nitrogen)	2005/04/19		104	%	80 - 120
	QC STANDARD	Nitrogen (Ammonia Nitrogen)	2005/04/19		96	%	80 - 120
	Spiked Blank	Nitrogen (Ammonia Nitrogen)	2005/04/19		90	%	80 - 120
	Method Blank	Nitrogen (Ammonia Nitrogen)	2005/04/19	ND, DL=0.05		mg/L	
	RPD	Nitrogen (Ammonia Nitrogen)	2005/04/19	NC		%	25
719854 KBA	MATRIX SPIKE	Orthophosphate (P)	2005/04/19		95	%	80 - 120
	QC STANDARD	Orthophosphate (P)	2005/04/19		101	%	80 - 120
	Spiked Blank	Orthophosphate (P)	2005/04/19		105	%	80 - 120
	Method Blank	Orthophosphate (P)	2005/04/19	ND, DL=0.01		mg/L	
	RPD	Orthophosphate (P)	2005/04/19	NC		%	25
719863 KBA	MATRIX SPIKE	Dissolved Sulphate (SO4)	2005/04/19		111	%	80 - 120
	QC STANDARD	Dissolved Sulphate (SO4)	2005/04/19		100	%	80 - 120
	Spiked Blank	Dissolved Sulphate (SO4)	2005/04/19		87	%	80 - 120
	Method Blank	Dissolved Sulphate (SO4)	2005/04/19	ND, DL=2		mg/L	
	RPD	Dissolved Sulphate (SO4)	2005/04/19	NC		%	25
719889 KBA	QC STANDARD	Total Alkalinity (Total as CaCO3)	2005/04/19		90	%	80 - 120
	Spiked Blank	Total Alkalinity (Total as CaCO3)	2005/04/19		88	%	80 - 120
	Method Blank	Total Alkalinity (Total as CaCO3)	2005/04/19	ND, DL=5		mg/L	
719893 KBA	MATRIX SPIKE	Dissolved Chloride (Cl)	2005/04/19		111	%	80 - 120
	QC STANDARD	Dissolved Chloride (Cl)	2005/04/19		101	%	80 - 120
	Method Blank	Dissolved Chloride (Cl)	2005/04/19	ND, DL=1		mg/L	
	RPD	Dissolved Chloride (Cl)	2005/04/19	1.6		%	25
719999 KBA	MATRIX SPIKE	Dissolved Chloride (Cl)	2005/04/19		112	%	80 - 120
	QC STANDARD	Dissolved Chloride (Cl)	2005/04/19		101	%	80 - 120
	Method Blank	Dissolved Chloride (Cl)	2005/04/19	ND, DL=1		mg/L	
	RPD	Dissolved Chloride (Cl)	2005/04/19	0.4		%	25

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720011 KBA	MATRIX SPIKE	Reactive Silica (SiO2)	2005/04/19		84	%	75 - 125
	QC STANDARD	Reactive Silica (SiO2)	2005/04/19		96	%	75 - 125
	Spiked Blank	Reactive Silica (SiO2)	2005/04/19		88	%	75 - 125
	Method Blank	Reactive Silica (SiO2)	2005/04/19	ND, DL=0.5		mg/L	
	RPD	Reactive Silica (SiO2)	2005/04/19	1		%	25
720035 KBA	MATRIX SPIKE	Nitrogen (Ammonia Nitrogen)	2005/04/19		106	%	80 - 120
	QC STANDARD	Nitrogen (Ammonia Nitrogen)	2005/04/19		90	%	80 - 120
	Spiked Blank	Nitrogen (Ammonia Nitrogen)	2005/04/19		89	%	80 - 120
	Method Blank	Nitrogen (Ammonia Nitrogen)	2005/04/19	ND, DL=0.05		mg/L	
	RPD	Nitrogen (Ammonia Nitrogen)	2005/04/19	NC		%	25
720098 KBA	MATRIX SPIKE	Orthophosphate (P)	2005/04/19		98	%	80 - 120
	QC STANDARD	Orthophosphate (P)	2005/04/19		100	%	80 - 120
	Spiked Blank	Orthophosphate (P)	2005/04/19		109	%	80 - 120
	Method Blank	Orthophosphate (P)	2005/04/19	ND, DL=0.01		mg/L	
	RPD	Orthophosphate (P)	2005/04/19	NC		%	25
720127 KBA	QC STANDARD	Colour	2005/04/19		113	%	80 - 120
	Method Blank	Colour	2005/04/19	ND, DL=5		TCU	
	RPD	Colour	2005/04/19	NC		%	25
720137 RMC	MATRIX SPIKE	1,2-Dichlorobenzene	2005/04/20		105	%	70 - 130
		1,3-Dichlorobenzene	2005/04/20		105	%	70 - 130
		1,4-Dichlorobenzene	2005/04/20		100	%	70 - 130
		Chlorobenzene	2005/04/20		105	%	70 - 130
		1,1,1-Trichloroethane	2005/04/20		100	%	70 - 130
		1,1,2,2-Tetrachloroethane	2005/04/20		116	%	70 - 130
		1,1,2-Trichloroethane	2005/04/20		105	%	70 - 130
		1,1-Dichloroethane	2005/04/20		100	%	70 - 130
		1,1-Dichloroethylene	2005/04/20		105	%	70 - 130
		1,2-Dibromoethane (EDB)	2005/04/20		110	%	70 - 130
		1,2-Dichloroethane	2005/04/20		105	%	70 - 130
		1,2-Dichloropropane	2005/04/20		105	%	70 - 130
		4-Bromofluorobenzene	2005/04/20		100	%	70 - 130
		Benzene	2005/04/20		106	%	70 - 130
		Bromodichloromethane	2005/04/20		100	%	70 - 130
		Bromoform	2005/04/20		100	%	70 - 130
		Bromomethane	2005/04/20		95	%	70 - 130
		Carbon Tetrachloride	2005/04/20		95	%	70 - 130
		Chloroethane	2005/04/20		111	%	70 - 130
		Chloroform	2005/04/20		105	%	70 - 130
		Chloromethane	2005/04/20		105	%	70 - 130
		cis-1,2-Dichloroethylene	2005/04/20		110	%	70 - 130
		cis-1,3-Dichloropropene	2005/04/20		89	%	70 - 130
		D4-1,2-Dichloroethane	2005/04/20		99	%	70 - 130
		D8-Toluene	2005/04/20		92	%	70 - 130
		Dibromochloromethane	2005/04/20		95	%	70 - 130
		Dichloromethane(Methylene Chloride)	2005/04/20		111	%	70 - 130
		Ethylbenzene	2005/04/20		105	%	70 - 130
		o-Xylene	2005/04/20		110	%	70 - 130
		p+m-Xylene	2005/04/20		105	%	70 - 130
		Styrene	2005/04/20		110	%	70 - 130
		Tetrachloroethylene	2005/04/20		100	%	70 - 130
		Toluene	2005/04/20		!!179	%	70 - 130
		trans-1,2-Dichloroethylene	2005/04/20		100	%	70 - 130
		trans-1,3-Dichloropropene	2005/04/20		89	%	70 - 130
		Trichloroethylene	2005/04/20		111	%	70 - 130
		Trichlorofluoromethane (FREON 11)	2005/04/20		95	%	70 - 130
		Vinyl Chloride	2005/04/20		116	%	70 - 130

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720137 RMC	Spiked Blank	1,2-Dichlorobenzene	2005/04/20		100	%	70 - 130
		1,3-Dichlorobenzene	2005/04/20		100	%	70 - 130
		1,4-Dichlorobenzene	2005/04/20		105	%	70 - 130
		Chlorobenzene	2005/04/20		100	%	70 - 130
		1,1,1-Trichloroethane	2005/04/20		100	%	70 - 130
		1,1,2,2-Tetrachloroethane	2005/04/20		95	%	70 - 130
		1,1,2-Trichloroethane	2005/04/20		105	%	70 - 130
		1,1-Dichloroethane	2005/04/20		105	%	70 - 130
		1,1-Dichloroethylene	2005/04/20		109	%	70 - 130
		1,2-Dibromoethane (EDB)	2005/04/20		104	%	70 - 130
		1,2-Dichloroethane	2005/04/20		105	%	70 - 130
		1,2-Dichloropropane	2005/04/20		109	%	70 - 130
		4-Bromofluorobenzene	2005/04/20		98	%	70 - 130
		Benzene	2005/04/20		100	%	70 - 130
		Bromodichloromethane	2005/04/20		100	%	70 - 130
		Bromoform	2005/04/20		91	%	70 - 130
		Bromomethane	2005/04/20		109	%	70 - 130
		Carbon Tetrachloride	2005/04/20		105	%	70 - 130
		Chloroethane	2005/04/20		109	%	70 - 130
		Chloroform	2005/04/20		105	%	70 - 130
		Chloromethane	2005/04/20		109	%	70 - 130
		cis-1,2-Dichloroethylene	2005/04/20		113	%	70 - 130
		cis-1,3-Dichloropropene	2005/04/20		95	%	70 - 130
		D4-1,2-Dichloroethane	2005/04/20		99	%	70 - 130
		D8-Toluene	2005/04/20		92	%	70 - 130
		Dibromochloromethane	2005/04/20		95	%	70 - 130
		Dichloromethane(Methylene Chloride)	2005/04/20		109	%	70 - 130
		Ethylbenzene	2005/04/20		95	%	70 - 130
		o-Xylene	2005/04/20		104	%	70 - 130
		p+m-Xylene	2005/04/20		100	%	70 - 130
		Styrene	2005/04/20		104	%	70 - 130
		Tetrachloroethylene	2005/04/20		100	%	70 - 130
		Toluene	2005/04/20		91	%	70 - 130
		trans-1,2-Dichloroethylene	2005/04/20		100	%	70 - 130
		trans-1,3-Dichloropropene	2005/04/20		91	%	70 - 130
		Trichloroethylene	2005/04/20		114	%	70 - 130
		Trichlorofluoromethane (FREON 11)	2005/04/20		114	%	70 - 130
		Vinyl Chloride	2005/04/20		118	%	70 - 130
	Method Blank	1,2-Dichlorobenzene	2005/04/20	ND, DL=0.5		ug/L	
		1,3-Dichlorobenzene	2005/04/20	ND, DL=1		ug/L	
		1,4-Dichlorobenzene	2005/04/20	ND, DL=1		ug/L	
		Chlorobenzene	2005/04/20	ND, DL=1		ug/L	
		1,1,1-Trichloroethane	2005/04/20	ND, DL=1		ug/L	
		1,1,2,2-Tetrachloroethane	2005/04/20	ND, DL=1		ug/L	
		1,1,2-Trichloroethane	2005/04/20	ND, DL=1		ug/L	
		1,1-Dichloroethane	2005/04/20	ND, DL=2		ug/L	
		1,1-Dichloroethylene	2005/04/20	ND, DL=2		ug/L	
		1,2-Dibromoethane (EDB)	2005/04/20	ND, DL=1		ug/L	
		1,2-Dichloroethane	2005/04/20	ND, DL=1		ug/L	
		1,2-Dichloropropane	2005/04/20	ND, DL=1		ug/L	
		4-Bromofluorobenzene	2005/04/20		97	%	70 - 130
		Benzene	2005/04/20	ND, DL=1		ug/L	
		Bromodichloromethane	2005/04/20	ND, DL=1		ug/L	
		Bromoform	2005/04/20	ND, DL=1		ug/L	
		Bromomethane	2005/04/20	ND, DL=8		ug/L	
		Carbon Tetrachloride	2005/04/20	ND, DL=1		ug/L	

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720137 RMC	Method Blank	Chloroethane	2005/04/20	ND, DL=8		ug/L	
		Chloroform	2005/04/20	ND, DL=1		ug/L	
		Chloromethane	2005/04/20	ND, DL=8		ug/L	
		cis-1,2-Dichloroethylene	2005/04/20	ND, DL=2		ug/L	
		cis-1,3-Dichloropropene	2005/04/20	ND, DL=2		ug/L	
		D4-1,2-Dichloroethane	2005/04/20		98	%	70 - 130
		D8-Toluene	2005/04/20		95	%	70 - 130
		Dibromochloromethane	2005/04/20	ND, DL=1		ug/L	
		Dichloromethane(Methylene Chloride)	2005/04/20	ND, DL=3		ug/L	
		Ethylbenzene	2005/04/20	ND, DL=1		ug/L	
		o-Xylene	2005/04/20	ND, DL=1		ug/L	
		p+m-Xylene	2005/04/20	ND, DL=2		ug/L	
		Styrene	2005/04/20	ND, DL=1		ug/L	
		Tetrachloroethylene	2005/04/20	ND, DL=1		ug/L	
		Toluene	2005/04/20	ND, DL=1		ug/L	
		trans-1,2-Dichloroethylene	2005/04/20	ND, DL=2		ug/L	
		trans-1,3-Dichloropropene	2005/04/20	ND, DL=1		ug/L	
		Trichloroethylene	2005/04/20	ND, DL=1		ug/L	
		Trichlorofluoromethane (FREON 11)	2005/04/20	ND, DL=8		ug/L	
		Vinyl Chloride	2005/04/20	ND, DL=1		ug/L	
	RPD	1,2-Dichlorobenzene	2005/04/20	NC		%	40
		1,3-Dichlorobenzene	2005/04/20	NC		%	40
		1,4-Dichlorobenzene	2005/04/20	NC		%	40
		Chlorobenzene	2005/04/20	NC		%	40
		1,1,1-Trichloroethane	2005/04/20	NC		%	40
		1,1,1,2-Tetrachloroethane	2005/04/20	NC		%	40
		1,1,2-Trichloroethane	2005/04/20	NC		%	40
		1,1-Dichloroethane	2005/04/20	NC		%	40
		1,1-Dichloroethylene	2005/04/20	NC		%	40
		1,2-Dibromoethane (EDB)	2005/04/20	NC		%	40
		1,2-Dichloroethane	2005/04/20	NC		%	40
		1,2-Dichloropropane	2005/04/20	NC		%	40
		Benzene	2005/04/20	NC		%	40
		Bromodichloromethane	2005/04/20	NC		%	40
		Bromoform	2005/04/20	NC		%	40
		Bromomethane	2005/04/20	NC		%	40
		Carbon Tetrachloride	2005/04/20	NC		%	40
		Chloroethane	2005/04/20	NC		%	40
		Chloroform	2005/04/20	NC		%	40
		Chloromethane	2005/04/20	NC		%	40
		cis-1,2-Dichloroethylene	2005/04/20	NC		%	40
		cis-1,3-Dichloropropene	2005/04/20	NC		%	40
		Dibromochloromethane	2005/04/20	NC		%	40
		Dichloromethane(Methylene Chloride)	2005/04/20	NC		%	40
		Ethylbenzene	2005/04/20	NC		%	40
		o-Xylene	2005/04/20	NC		%	40
		p+m-Xylene	2005/04/20	NC		%	40
		Styrene	2005/04/20	NC		%	40
		Tetrachloroethylene	2005/04/20	NC		%	40
		Toluene	2005/04/20	NC		%	40
		trans-1,2-Dichloroethylene	2005/04/20	NC		%	40
		trans-1,3-Dichloropropene	2005/04/20	NC		%	40
		Trichloroethylene	2005/04/20	NC		%	40
		Trichlorofluoromethane (FREON 11)	2005/04/20	NC		%	40
		Vinyl Chloride	2005/04/20	NC		%	40
720148 KBA	MATRIX SPIKE	Nitrite (N)	2005/04/19		100	%	80 - 120

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720148 KBA	QC STANDARD	Nitrite (N)	2005/04/19		99	%	80 - 120
	Spiked Blank	Nitrite (N)	2005/04/19		112	%	80 - 120
	Method Blank	Nitrite (N)	2005/04/19	ND, DL=0.01		mg/L	
	RPD	Nitrite (N)	2005/04/19	NC		%	25
720270 KBA	MATRIX SPIKE	Dissolved Sulphate (SO4)	2005/04/20		106	%	80 - 120
	QC STANDARD	Dissolved Sulphate (SO4)	2005/04/20		98	%	80 - 120
	Spiked Blank	Dissolved Sulphate (SO4)	2005/04/20		110	%	80 - 120
	Method Blank	Dissolved Sulphate (SO4)	2005/04/20	ND, DL=2		mg/L	
720279 LKE	RPD	Dissolved Sulphate (SO4)	2005/04/20	NC		%	25
	MATRIX SPIKE	Dissolved Aluminum (Al)	2005/04/20		104	%	80 - 120
		Dissolved Antimony (Sb)	2005/04/20		116	%	80 - 120
		Dissolved Arsenic (As)	2005/04/20		118	%	80 - 120
		Dissolved Barium (Ba)	2005/04/20		117	%	80 - 120
		Dissolved Beryllium (Be)	2005/04/20		!!121	%	80 - 120
		Dissolved Bismuth (Bi)	2005/04/20		94	%	80 - 120
		Dissolved Boron (B)	2005/04/20		113	%	80 - 120
		Dissolved Cadmium (Cd)	2005/04/20		!!121	%	80 - 120
		Dissolved Chromium (Cr)	2005/04/20		115	%	80 - 120
		Dissolved Cobalt (Co)	2005/04/20		114	%	80 - 120
		Dissolved Copper (Cu)	2005/04/20		107	%	80 - 120
		Dissolved Iron (Fe)	2005/04/20		101	%	80 - 120
		Dissolved Lead (Pb)	2005/04/20		118	%	80 - 120
		Dissolved Manganese (Mn)	2005/04/20		103	%	80 - 120
		Dissolved Molybdenum (Mo)	2005/04/20		117	%	80 - 120
		Dissolved Nickel (Ni)	2005/04/20		112	%	80 - 120
		Dissolved Selenium (Se)	2005/04/20		!!132	%	80 - 120
		Dissolved Silver (Ag)	2005/04/20		116	%	80 - 120
		Dissolved Strontium (Sr)	2005/04/20		113	%	80 - 120
		Dissolved Thallium (Tl)	2005/04/20		116	%	80 - 120
		Dissolved Tin (Sn)	2005/04/20		112	%	80 - 120
		Dissolved Titanium (Ti)	2005/04/20		114	%	80 - 120
		Dissolved Uranium (U)	2005/04/20		119	%	80 - 120
		Dissolved Vanadium (V)	2005/04/20		118	%	80 - 120
		Dissolved Zinc (Zn)	2005/04/20		!!130	%	80 - 120
	QC STANDARD	Dissolved Aluminum (Al)	2005/04/20		85	%	80 - 120
		Dissolved Antimony (Sb)	2005/04/20		96	%	80 - 120
		Dissolved Arsenic (As)	2005/04/20		99	%	80 - 120
		Dissolved Barium (Ba)	2005/04/20		97	%	80 - 120
		Dissolved Beryllium (Be)	2005/04/20		104	%	80 - 120
		Dissolved Boron (B)	2005/04/20		102	%	80 - 120
		Dissolved Cadmium (Cd)	2005/04/20		102	%	80 - 120
		Dissolved Chromium (Cr)	2005/04/20		96	%	80 - 120
		Dissolved Cobalt (Co)	2005/04/20		104	%	80 - 120
		Dissolved Copper (Cu)	2005/04/20		97	%	80 - 120
		Dissolved Iron (Fe)	2005/04/20		109	%	80 - 120
		Dissolved Lead (Pb)	2005/04/20		97	%	80 - 120
		Dissolved Manganese (Mn)	2005/04/20		90	%	80 - 120
		Dissolved Molybdenum (Mo)	2005/04/20		102	%	80 - 120
		Dissolved Nickel (Ni)	2005/04/20		96	%	80 - 120
		Dissolved Selenium (Se)	2005/04/20		102	%	80 - 120
		Dissolved Silver (Ag)	2005/04/20		93	%	80 - 120
		Dissolved Strontium (Sr)	2005/04/20		100	%	80 - 120
		Dissolved Vanadium (V)	2005/04/20		104	%	80 - 120
		Dissolved Zinc (Zn)	2005/04/20		107	%	80 - 120
	Spiked Blank	Dissolved Aluminum (Al)	2005/04/20		99	%	80 - 120
		Dissolved Antimony (Sb)	2005/04/20		103	%	80 - 120

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Earth-Water Concepts Inc.
Attention: RICHARD GAGNE
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Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: DA529838

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
720279 LKE	Spiked Blank	Dissolved Arsenic (As)	2005/04/20		104	%	80 - 120
		Dissolved Barium (Ba)	2005/04/20		103	%	80 - 120
		Dissolved Beryllium (Be)	2005/04/20		104	%	80 - 120
		Dissolved Bismuth (Bi)	2005/04/20		98	%	80 - 120
		Dissolved Boron (B)	2005/04/20		98	%	80 - 120
		Dissolved Cadmium (Cd)	2005/04/20		106	%	80 - 120
		Dissolved Chromium (Cr)	2005/04/20		100	%	80 - 120
		Dissolved Cobalt (Co)	2005/04/20		101	%	80 - 120
		Dissolved Copper (Cu)	2005/04/20		103	%	80 - 120
		Dissolved Iron (Fe)	2005/04/20		106	%	80 - 120
		Dissolved Lead (Pb)	2005/04/20		105	%	80 - 120
		Dissolved Manganese (Mn)	2005/04/20		99	%	80 - 120
		Dissolved Molybdenum (Mo)	2005/04/20		105	%	80 - 120
		Dissolved Nickel (Ni)	2005/04/20		102	%	80 - 120
		Dissolved Selenium (Se)	2005/04/20		106	%	80 - 120
		Dissolved Silver (Ag)	2005/04/20		102	%	80 - 120
		Dissolved Strontium (Sr)	2005/04/20		101	%	80 - 120
		Dissolved Thallium (Tl)	2005/04/20		103	%	80 - 120
		Dissolved Tin (Sn)	2005/04/20		105	%	80 - 120
		Dissolved Titanium (Ti)	2005/04/20		98	%	80 - 120
		Dissolved Uranium (U)	2005/04/20		106	%	80 - 120
		Dissolved Vanadium (V)	2005/04/20		100	%	80 - 120
		Dissolved Zinc (Zn)	2005/04/20		111	%	80 - 120
	Method Blank	Dissolved Aluminum (Al)	2005/04/20	ND, DL=10		ug/L	
		Dissolved Antimony (Sb)	2005/04/20	ND, DL=2		ug/L	
		Dissolved Arsenic (As)	2005/04/20	ND, DL=2		ug/L	
		Dissolved Barium (Ba)	2005/04/20	ND, DL=5		ug/L	
		Dissolved Beryllium (Be)	2005/04/20	ND, DL=2		ug/L	
		Dissolved Bismuth (Bi)	2005/04/20	ND, DL=2		ug/L	
		Dissolved Boron (B)	2005/04/20	ND, DL=5		ug/L	
		Dissolved Cadmium (Cd)	2005/04/20	ND, DL=0.3		ug/L	
		Dissolved Chromium (Cr)	2005/04/20	ND, DL=2		ug/L	
		Dissolved Cobalt (Co)	2005/04/20	ND, DL=1		ug/L	
		Dissolved Copper (Cu)	2005/04/20	ND, DL=2		ug/L	
		Dissolved Iron (Fe)	2005/04/20	ND, DL=50		ug/L	
		Dissolved Lead (Pb)	2005/04/20	ND, DL=0.5		ug/L	
		Dissolved Manganese (Mn)	2005/04/20	ND, DL=2		ug/L	
		Dissolved Molybdenum (Mo)	2005/04/20	ND, DL=2		ug/L	
		Dissolved Nickel (Ni)	2005/04/20	ND, DL=2		ug/L	
		Dissolved Selenium (Se)	2005/04/20	ND, DL=2		ug/L	
		Dissolved Silver (Ag)	2005/04/20	ND, DL=0.5		ug/L	
		Dissolved Strontium (Sr)	2005/04/20	ND, DL=5		ug/L	
		Dissolved Thallium (Tl)	2005/04/20	ND, DL=0.1		ug/L	
		Dissolved Tin (Sn)	2005/04/20	ND, DL=2		ug/L	
		Dissolved Titanium (Ti)	2005/04/20	ND, DL=2		ug/L	
		Dissolved Uranium (U)	2005/04/20	ND, DL=0.1		ug/L	
		Dissolved Vanadium (V)	2005/04/20	ND, DL=2		ug/L	
		Dissolved Zinc (Zn)	2005/04/20	ND, DL=5		ug/L	
RPD		Dissolved Aluminum (Al)	2005/04/20	NC		%	25
		Dissolved Antimony (Sb)	2005/04/20	NC		%	25
		Dissolved Arsenic (As)	2005/04/20	NC		%	25
		Dissolved Barium (Ba)	2005/04/20	NC		%	25
		Dissolved Beryllium (Be)	2005/04/20	NC		%	25
		Dissolved Bismuth (Bi)	2005/04/20	NC		%	25
		Dissolved Boron (B)	2005/04/20	NC		%	25
		Dissolved Cadmium (Cd)	2005/04/20	NC		%	25

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Quality Assurance Report (Continued)

Maxxam Job Number: DA529838

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
720279 LKE	RPD	Dissolved Chromium (Cr)	2005/04/20	NC		%	25
		Dissolved Cobalt (Co)	2005/04/20	NC		%	25
		Dissolved Copper (Cu)	2005/04/20	NC		%	25
		Dissolved Iron (Fe)	2005/04/20	NC		%	25
		Dissolved Lead (Pb)	2005/04/20	NC		%	25
		Dissolved Manganese (Mn)	2005/04/20	0.6		%	25
		Dissolved Molybdenum (Mo)	2005/04/20	2.2		%	25
		Dissolved Nickel (Ni)	2005/04/20	NC		%	25
		Dissolved Selenium (Se)	2005/04/20	NC		%	25
		Dissolved Silver (Ag)	2005/04/20	NC		%	25
		Dissolved Strontium (Sr)	2005/04/20	0.7		%	25
		Dissolved Thallium (Tl)	2005/04/20	NC		%	25
		Dissolved Tin (Sn)	2005/04/20	NC		%	25
		Dissolved Titanium (Ti)	2005/04/20	NC		%	25
		Dissolved Uranium (U)	2005/04/20	NC		%	25
		Dissolved Vanadium (V)	2005/04/20	NC		%	25
		Dissolved Zinc (Zn)	2005/04/20	NC		%	25
720291 MLB	MATRIX SPIKE	Total Organic Carbon (C)	2005/04/20		103	%	75 - 125
	Spiked Blank	Total Organic Carbon (C)	2005/04/20		97	%	75 - 125
	Method Blank	Total Organic Carbon (C)	2005/04/20	ND, DL=0.5		mg/L	
	RPD	Total Organic Carbon (C)	2005/04/20	NC		%	25
720294 ARS	QC STANDARD	Turbidity	2005/04/20		99	%	80 - 120
	Method Blank	Turbidity	2005/04/20	<0.1		NTU	
	RPD	Turbidity	2005/04/20	0.3		%	25
720808 KBA	MATRIX SPIKE	Total Alkalinity (Total as CaCO3)	2005/04/20		91	%	80 - 120
	QC STANDARD	Total Alkalinity (Total as CaCO3)	2005/04/20		95	%	80 - 120
	Spiked Blank	Total Alkalinity (Total as CaCO3)	2005/04/20		81	%	80 - 120
	Method Blank	Total Alkalinity (Total as CaCO3)	2005/04/20	ND, DL=5		mg/L	
	RPD	Total Alkalinity (Total as CaCO3)	2005/04/20	11.1		%	25
720837 CMO	MATRIX SPIKE	Dissolved Calcium (Ca)	2005/04/20		103	%	80 - 120
		Dissolved Potassium (K)	2005/04/20		108	%	80 - 120
		Dissolved Magnesium (Mg)	2005/04/20		106	%	80 - 120
		Dissolved Sodium (Na)	2005/04/20		108	%	80 - 120
		Dissolved Phosphorus (P)	2005/04/20		112	%	80 - 120
	QC STANDARD	Dissolved Calcium (Ca)	2005/04/20		103	%	80 - 120
		Dissolved Potassium (K)	2005/04/20		95	%	80 - 120
		Dissolved Magnesium (Mg)	2005/04/20		96	%	80 - 120
		Dissolved Sodium (Na)	2005/04/20		103	%	80 - 120
		Dissolved Phosphorus (P)	2005/04/20		93	%	80 - 120
	Spiked Blank	Dissolved Calcium (Ca)	2005/04/20		93	%	80 - 120
		Dissolved Potassium (K)	2005/04/20		95	%	80 - 120
		Dissolved Magnesium (Mg)	2005/04/20		94	%	80 - 120
		Dissolved Sodium (Na)	2005/04/20		95	%	80 - 120
		Dissolved Phosphorus (P)	2005/04/20		99	%	80 - 120
	Method Blank	Dissolved Calcium (Ca)	2005/04/20	ND, DL=0.1		mg/L	
		Dissolved Potassium (K)	2005/04/20	ND, DL=0.1		mg/L	
		Dissolved Magnesium (Mg)	2005/04/20	ND, DL=0.1		mg/L	
		Dissolved Sodium (Na)	2005/04/20	ND, DL=0.1		mg/L	
		Dissolved Phosphorus (P)	2005/04/20	ND, DL=0.1		mg/L	
	RPD	Dissolved Calcium (Ca)	2005/04/20	11.0		%	25
		Dissolved Potassium (K)	2005/04/20	0.2		%	25
		Dissolved Magnesium (Mg)	2005/04/20	21.1		%	25
		Dissolved Sodium (Na)	2005/04/20	0.03		%	25
		Dissolved Phosphorus (P)	2005/04/20	NC		%	25
721316 LKE	MATRIX SPIKE	Total Aluminum (Al)	2005/04/21		106	%	80 - 120
		Total Antimony (Sb)	2005/04/21		111	%	80 - 120

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Earth-Water Concepts Inc.
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Quality Assurance Report (Continued)

Maxxam Job Number: DA529838

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
721316 LKE	MATRIX SPIKE	Total Arsenic (As)	2005/04/21		114	%	80 - 120
		Total Barium (Ba)	2005/04/21		111	%	80 - 120
		Total Beryllium (Be)	2005/04/21		117	%	80 - 120
		Total Bismuth (Bi)	2005/04/21		108	%	80 - 120
		Total Boron (B)	2005/04/21		111	%	80 - 120
		Total Cadmium (Cd)	2005/04/21		110	%	80 - 120
		Total Chromium (Cr)	2005/04/21		109	%	80 - 120
		Total Cobalt (Co)	2005/04/21		109	%	80 - 120
		Total Copper (Cu)	2005/04/21		104	%	80 - 120
		Total Iron (Fe)	2005/04/21		100	%	80 - 120
		Total Lead (Pb)	2005/04/21		109	%	80 - 120
		Total Manganese (Mn)	2005/04/21		105	%	80 - 120
		Total Molybdenum (Mo)	2005/04/21		113	%	80 - 120
		Total Nickel (Ni)	2005/04/21		107	%	80 - 120
		Total Selenium (Se)	2005/04/21		113	%	80 - 120
		Total Silver (Ag)	2005/04/21		102	%	80 - 120
		Total Strontium (Sr)	2005/04/21		107	%	80 - 120
		Total Thallium (Tl)	2005/04/21		108	%	80 - 120
		Total Tin (Sn)	2005/04/21		108	%	80 - 120
		Total Titanium (Ti)	2005/04/21		116	%	80 - 120
		Total Uranium (U)	2005/04/21		112	%	80 - 120
		Total Vanadium (V)	2005/04/21		113	%	80 - 120
		Total Zinc (Zn)	2005/04/21		110	%	80 - 120
	QC STANDARD	Total Aluminum (Al)	2005/04/21		100	%	80 - 120
		Total Antimony (Sb)	2005/04/21		95	%	80 - 120
		Total Arsenic (As)	2005/04/21		104	%	80 - 120
		Total Barium (Ba)	2005/04/21		98	%	80 - 120
		Total Beryllium (Be)	2005/04/21		102	%	80 - 120
		Total Boron (B)	2005/04/21		107	%	80 - 120
		Total Cadmium (Cd)	2005/04/21		105	%	80 - 120
		Total Chromium (Cr)	2005/04/21		107	%	80 - 120
		Total Cobalt (Co)	2005/04/21		107	%	80 - 120
		Total Copper (Cu)	2005/04/21		103	%	80 - 120
		Total Iron (Fe)	2005/04/21		113	%	80 - 120
		Total Lead (Pb)	2005/04/21		108	%	80 - 120
		Total Manganese (Mn)	2005/04/21		107	%	80 - 120
		Total Molybdenum (Mo)	2005/04/21		102	%	80 - 120
		Total Nickel (Ni)	2005/04/21		102	%	80 - 120
		Total Selenium (Se)	2005/04/21		97	%	80 - 120
		Total Strontium (Sr)	2005/04/21		108	%	80 - 120
		Total Thallium (Tl)	2005/04/21		94	%	80 - 120
		Total Uranium (U)	2005/04/21		109	%	80 - 120
		Total Vanadium (V)	2005/04/21		108	%	80 - 120
	Spiked Blank	Total Zinc (Zn)	2005/04/21		102	%	80 - 120
		Total Aluminum (Al)	2005/04/21		106	%	80 - 120
		Total Antimony (Sb)	2005/04/21		99	%	80 - 120
		Total Arsenic (As)	2005/04/21		93	%	80 - 120
		Total Barium (Ba)	2005/04/21		101	%	80 - 120
		Total Beryllium (Be)	2005/04/21		99	%	80 - 120
		Total Bismuth (Bi)	2005/04/21		111	%	80 - 120
		Total Boron (B)	2005/04/21		102	%	80 - 120
		Total Cadmium (Cd)	2005/04/21		98	%	80 - 120
		Total Chromium (Cr)	2005/04/21		100	%	80 - 120
		Total Cobalt (Co)	2005/04/21		99	%	80 - 120
		Total Copper (Cu)	2005/04/21		98	%	80 - 120
		Total Iron (Fe)	2005/04/21		102	%	80 - 120

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Quality Assurance Report (Continued)

Maxxam Job Number: DA529838

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
721316 LKE	Spiked Blank	Total Lead (Pb)	2005/04/21		105	%	80 - 120
		Total Manganese (Mn)	2005/04/21		104	%	80 - 120
		Total Molybdenum (Mo)	2005/04/21		98	%	80 - 120
		Total Nickel (Ni)	2005/04/21		98	%	80 - 120
		Total Selenium (Se)	2005/04/21		90	%	80 - 120
		Total Silver (Ag)	2005/04/21		97	%	80 - 120
		Total Strontium (Sr)	2005/04/21		99	%	80 - 120
		Total Thallium (Tl)	2005/04/21		105	%	80 - 120
		Total Tin (Sn)	2005/04/21		100	%	80 - 120
		Total Titanium (Ti)	2005/04/21		100	%	80 - 120
		Total Uranium (U)	2005/04/21		107	%	80 - 120
		Total Vanadium (V)	2005/04/21		103	%	80 - 120
		Total Zinc (Zn)	2005/04/21		94	%	80 - 120
	Method Blank	Total Aluminum (Al)	2005/04/21	ND, DL=10		ug/L	
		Total Antimony (Sb)	2005/04/21	ND, DL=2		ug/L	
		Total Arsenic (As)	2005/04/21	ND, DL=2		ug/L	
		Total Barium (Ba)	2005/04/21	ND, DL=5		ug/L	
		Total Beryllium (Be)	2005/04/21	ND, DL=2		ug/L	
		Total Bismuth (Bi)	2005/04/21	ND, DL=2		ug/L	
		Total Boron (B)	2005/04/21	ND, DL=5		ug/L	
		Total Cadmium (Cd)	2005/04/21	ND, DL=0.3		ug/L	
		Total Chromium (Cr)	2005/04/21	ND, DL=2		ug/L	
		Total Cobalt (Co)	2005/04/21	ND, DL=1		ug/L	
		Total Copper (Cu)	2005/04/21	ND, DL=2		ug/L	
		Total Iron (Fe)	2005/04/21	ND, DL=50		ug/L	
		Total Lead (Pb)	2005/04/21	ND, DL=0.5		ug/L	
		Total Manganese (Mn)	2005/04/21	ND, DL=2		ug/L	
		Total Molybdenum (Mo)	2005/04/21	ND, DL=2		ug/L	
		Total Nickel (Ni)	2005/04/21	ND, DL=2		ug/L	
		Total Selenium (Se)	2005/04/21	ND, DL=2		ug/L	
		Total Silver (Ag)	2005/04/21	ND, DL=0.5		ug/L	
		Total Strontium (Sr)	2005/04/21	ND, DL=5		ug/L	
		Total Thallium (Tl)	2005/04/21	ND, DL=0.1		ug/L	
		Total Tin (Sn)	2005/04/21	ND, DL=2		ug/L	
		Total Titanium (Ti)	2005/04/21	ND, DL=2		ug/L	
		Total Uranium (U)	2005/04/21	ND, DL=0.1		ug/L	
		Total Vanadium (V)	2005/04/21	ND, DL=2		ug/L	
		Total Zinc (Zn)	2005/04/21	ND, DL=5		ug/L	
	RPD	Total Aluminum (Al)	2005/04/21	NC		%	25
		Total Antimony (Sb)	2005/04/21	NC		%	25
		Total Arsenic (As)	2005/04/21	NC		%	25
		Total Barium (Ba)	2005/04/21	NC		%	25
		Total Beryllium (Be)	2005/04/21	NC		%	25
		Total Bismuth (Bi)	2005/04/21	NC		%	25
		Total Boron (B)	2005/04/21	NC		%	25
		Total Cadmium (Cd)	2005/04/21	NC		%	25
		Total Chromium (Cr)	2005/04/21	NC		%	25
		Total Cobalt (Co)	2005/04/21	NC		%	25
		Total Copper (Cu)	2005/04/21	NC		%	25
		Total Iron (Fe)	2005/04/21	NC		%	25
		Total Lead (Pb)	2005/04/21	NC		%	25
		Total Manganese (Mn)	2005/04/21	NC		%	25
		Total Molybdenum (Mo)	2005/04/21	NC		%	25
		Total Nickel (Ni)	2005/04/21	NC		%	25
		Total Selenium (Se)	2005/04/21	NC		%	25
		Total Silver (Ag)	2005/04/21	NC		%	25

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Quality Assurance Report (Continued)

Maxxam Job Number: DA529838

ND = Not detected
N/A = Not Applicable
NC = Non-calculable
RPD = Relative Percent Difference
QC Standard = Quality Control Standard
SPIKE = Fortified sample

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