

Your C.O.C. #: 309526

**Attention: RICHARD GAGNE**

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

**Report Date: 2005/08/16**

**ANALYTICAL REPORT**

**MAXXAM JOB #: A576047**

**Received: 2005/08/09, 15:15**

Sample Matrix: Soil  
# Samples Received: 13

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Mercury (CVAA) @	13	N/A	2005/08/15	3425_1_2	Based on EPA245.5
Elements by ICPMS (FIAS)	12	N/A	2005/08/12	3013_1_1	Based on EPA6020A
Elements by ICPMS (FIAS)	1	N/A	2005/08/15	3013_1_1	Based on EPA6020A

(1) SCC/CAEAL

**MAXXAM ANALYTICS INC.**

KERI MACKAY  
Project Manager

KMA/lad  
encl.

Total cover pages: 1

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

Maxxam Job #: A576047  
 Report Date: 2005/08/16

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

**ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)**

Maxxam ID		H58916	H58930	H58930		H58931		
Sampling Date								
COC Number		309526	309526	309526		309526		
	<b>Units</b>	<b>102F01-GMA1</b>	<b>102F01-GMA2</b>	<b>102F01-GMA2 Dup</b>	<b>DL</b>	<b>102F01-GMA3</b>	<b>DL</b>	<b>QC Batch</b>

<b>Elements</b>								
Mercury (Hg)	mg/kg	24	30		1	13	0.4	799231
Available Arsenic (As)	mg/kg	1600	6700	6100	2	8000	2	798716

QC Batch = Quality Control Batch

Maxxam ID		H58932	H58933		H58934	H58935		
Sampling Date								
COC Number		309526	309526		309526	309526		
	<b>Units</b>	<b>102F01-GMA4</b>	<b>102F01-GMA5</b>	<b>DL</b>	<b>102F01-GMA6</b>	<b>102F01-GMA7</b>	<b>DL</b>	<b>QC Batch</b>

<b>Elements</b>								
Mercury (Hg)	mg/kg	11	9.9	0.2	19	21	1	799231
Available Arsenic (As)	mg/kg	2600	1100	2	2200	1600	2	798716

QC Batch = Quality Control Batch

Maxxam ID		H58936	H58937		H58938	H58939		
Sampling Date								
COC Number		309526	309526		309526	309526		
	<b>Units</b>	<b>102F01-GMA8</b>	<b>102F01-GMA9</b>	<b>DL</b>	<b>102F01-T1</b>	<b>102F01-T2</b>	<b>DL</b>	<b>QC Batch</b>

<b>Elements</b>								
Mercury (Hg)	mg/kg	26	31	1	4.7	3.1	0.1	799231
Available Arsenic (As)	mg/kg	1300	3400	2	1700	150	2	798716

QC Batch = Quality Control Batch

Maxxam ID		H58939	H58940		H58941		
Sampling Date							
COC Number		309526	309526		309526		
	<b>Units</b>	<b>102F01-T2 Dup</b>	<b>102F01-T3</b>	<b>QC Batch</b>	<b>102F01-T4</b>	<b>DL</b>	<b>QC Batch</b>

<b>Elements</b>							
Mercury (Hg)	mg/kg		8.1	799231	6.4	0.1	799231
Available Arsenic (As)	mg/kg	160	14	798716	1100	2	799670

QC Batch = Quality Control Batch

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**GENERAL COMMENTS**

**Results relate only to the items tested.**

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

Quality Assurance Report

Maxxam Job Number: DA576047

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
798716 KMC	MATRIX SPIKE [H58936-01]	Available Arsenic (As)	2005/08/12		490 (1)	%	75 - 125
	QC STANDARD	Available Arsenic (As)	2005/08/12		107	%	75 - 125
	Spiked Blank	Available Arsenic (As)	2005/08/12		98	%	75 - 125
	Method Blank RPD [H58930-01]	Available Arsenic (As)	2005/08/12	ND, DL=2		mg/kg	
		Available Arsenic (As)	2005/08/12	10.0		%	35
		Available Arsenic (As)	2005/08/12	8.3		%	35
799231 SSI	MATRIX SPIKE	Mercury (Hg)	2005/08/15		95	%	75 - 125
	QC STANDARD	Mercury (Hg)	2005/08/15		91	%	75 - 125
	Spiked Blank	Mercury (Hg)	2005/08/15		106	%	75 - 125
	Method Blank RPD	Mercury (Hg)	2005/08/15	ND, DL=0.01		mg/kg	
		Mercury (Hg)	2005/08/15	NC		%	35
799670 KMC	MATRIX SPIKE	Available Arsenic (As)	2005/08/15		87	%	75 - 125
	QC STANDARD	Available Arsenic (As)	2005/08/15		106	%	75 - 125
	Spiked Blank	Available Arsenic (As)	2005/08/15		95	%	75 - 125
	Method Blank RPD	Available Arsenic (As)	2005/08/15	ND, DL=2		mg/kg	
		Available Arsenic (As)	2005/08/15	NC		%	35

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

( 1 ) Please note that the recovery of some compounds are outside control limits however the overall quality control for this analysis meets our acceptability criteria.

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