

Your Project #: FEBRUARY 23, 2012
 Site Location: FARO MINE COMPLEX
 Your C.O.C. #: 08345475

Attention: KEVIN RAMSAY
 DENISON ENVIRONMENTAL SERVICES
 FARO CARE AND MAINTENANCE PROJ
 BOX 280
 FARO, YT
 CANADA Y0B 1K0

Report Date: 2012/03/01

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B215689
Received: 2012/02/24, 13:25

Sample Matrix: Ground
 # Samples Received: 1

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Acidity pH 4.5 & pH 8.3	1	N/A	2012/02/28	BBY6SOP-00037	SM-2310
Alkalinity - Water	1	2012/02/28	2012/02/28	BBY6SOP-00026, BBY0SOP-00002	SM2320B
Chloride by Automated Colourimetry	1	N/A	2012/02/27	BBY6SOP-00011	SM-4500-CI-
Conductance - water	1	N/A	2012/02/28	BBY6SOP-00026	SM-2510B
Hardness (calculated as CaCO ₃)	1	N/A	2012/02/29	BBY7SOP-00002	Calculated Parameter
Ion Balance	1	N/A	2012/02/29	Calc	
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	1	N/A	2012/02/29	BBY7SOP-00002	EPA 6020A
Elements by ICPMS Low Level (dissolved)	1	N/A	2012/02/29	BBY7SOP-00002	EPA 6020A
Filter and HNO ₃ Preserve for Metals	1	N/A	2012/02/24	BBY6WI-00001	EPA 200.2
pH Water	1	N/A	2012/02/28	BBY6SOP-00026	SM-4500H+B
Sulphate by Automated Colourimetry	1	N/A	2012/02/27	BBY6SOP-00017	SM4500-SO42
Total Suspended Solids-LowLevel	1	2012/02/29	2012/02/29	BBY6SOP-00034	SM-2540 D

Sample Matrix: Seepage
 # Samples Received: 1

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Acidity pH 4.5 & pH 8.3	1	N/A	2012/02/28	BBY6SOP-00037	SM-2310
Alkalinity - Water	1	2012/02/28	2012/02/28	BBY6SOP-00026, BBY0SOP-00002	SM2320B
Chloride by Automated Colourimetry	1	N/A	2012/02/27	BBY6SOP-00011	SM-4500-CI-
Conductance - water	1	N/A	2012/02/28	BBY6SOP-00026	SM-2510B
Hardness (calculated as CaCO ₃)	1	N/A	2012/02/29	BBY7SOP-00002	Calculated Parameter
Ion Balance	1	N/A	2012/02/29	Calc	
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	1	N/A	2012/02/29	BBY7SOP-00002	EPA 6020A
Elements by ICPMS Low Level (dissolved)	1	N/A	2012/02/29	BBY7SOP-00002	EPA 6020A
Filter and HNO ₃ Preserve for Metals	1	N/A	2012/02/24	BBY6WI-00001	EPA 200.2
pH Water	1	N/A	2012/02/28	BBY6SOP-00026	SM-4500H+B
Sulphate by Automated Colourimetry	1	N/A	2012/02/27	BBY6SOP-00017	SM4500-SO42
Total Suspended Solids-LowLevel	1	2012/02/29	2012/02/29	BBY6SOP-00034	SM-2540 D

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

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CERTIFICATE OF ANALYSIS

-2-

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

TABITHA RUDKIN, Burnaby Project Manager
Email: TRudkin@maxxam.ca
Phone# (604) 638-2639

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 2

Maxxam Job #: B215689
 Report Date: 2012/03/01

DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBRUARY 23, 2012
 Site Location: FARO MINE COMPLEX

RESULTS OF CHEMICAL ANALYSES OF GROUND

Maxxam ID		CU5129		
Sampling Date		2012/02/23 13:54		
COC Number		08345475		
	Units	SRK05-9	RDL	QC Batch

Misc. Inorganics				
Acidity (pH 4.5)	mg/L	<0.5	0.5	5631752
Acidity (pH 8.3)	mg/L	<0.5	0.5	5631752
Calculated Parameters				
Filter and HNO3 Preservation	N/A	FIELD	N/A	ONSITE
Ion Balance	N/A	1.0	0.010	5623743
Misc. Inorganics				
Alkalinity (Total as CaCO3)	mg/L	337	0.50	5631859
Alkalinity (PP as CaCO3)	mg/L	<0.50	0.50	5631859
Bicarbonate (HCO3)	mg/L	411	0.50	5631859
Carbonate (CO3)	mg/L	<0.50	0.50	5631859
Hydroxide (OH)	mg/L	<0.50	0.50	5631859
Anions				
Dissolved Sulphate (SO4)	mg/L	1010	5.0	5630093
Dissolved Chloride (Cl)	mg/L	1.6	0.5	5630060
Physical Properties				
Conductivity	uS/cm	2090	1.0	5631858
pH	pH Units	8.25		5631807
Physical Properties				
Total Suspended Solids	mg/L	57.7	1.0	5635836
RDL = Reportable Detection Limit				

Maxxam Job #: B215689
 Report Date: 2012/03/01

DENISON ENVIRONMENTAL SERVICES
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RESULTS OF CHEMICAL ANALYSES OF SEEPAGE

Maxxam ID		CU5128		
Sampling Date		2012/02/23 14:19		
COC Number		08345475		
	Units	V15	RDL	QC Batch
Misc. Inorganics				
Acidity (pH 4.5)	mg/L	<0.5	0.5	5631752
Acidity (pH 8.3)	mg/L	22.1	0.5	5631752
Calculated Parameters				
Filter and HNO3 Preservation	N/A	FIELD	N/A	ONSITE
Ion Balance	N/A	1.1	0.010	5623743
Misc. Inorganics				
Alkalinity (Total as CaCO3)	mg/L	522	0.50	5631859
Alkalinity (PP as CaCO3)	mg/L	<0.50	0.50	5631859
Bicarbonate (HCO3)	mg/L	636	0.50	5631859
Carbonate (CO3)	mg/L	<0.50	0.50	5631859
Hydroxide (OH)	mg/L	<0.50	0.50	5631859
Anions				
Dissolved Sulphate (SO4)	mg/L	1840	5.0	5630093
Dissolved Chloride (Cl)	mg/L	2.3	0.5	5630060
Physical Properties				
Conductivity	uS/cm	3450	1.0	5631858
pH	pH Units	8.28		5631807
Physical Properties				
Total Suspended Solids	mg/L	1.6	1.0	5635836
RDL = Reportable Detection Limit				

Maxxam Job #: B215689
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DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBRUARY 23, 2012
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LOW LEVEL DISSOLVED METALS IN WATER (GROUND)

Maxxam ID		CU5129		
Sampling Date		2012/02/23 13:54		
COC Number		08345475		
	Units	SRK05-9	RDL	QC Batch

Misc. Inorganics				
Dissolved Hardness (CaCO3)	mg/L	1400	0.5	5625707
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	5	1	5631533
Dissolved Antimony (Sb)	ug/L	0.2	0.1	5631533
Dissolved Arsenic (As)	ug/L	0.8	0.1	5631533
Dissolved Barium (Ba)	ug/L	37.3	0.1	5631533
Dissolved Beryllium (Be)	ug/L	<0.05	0.05	5631533
Dissolved Bismuth (Bi)	ug/L	<0.03	0.03	5631533
Dissolved Boron (B)	ug/L	<300	300	5631533
Dissolved Cadmium (Cd)	ug/L	0.20	0.03	5631533
Dissolved Chromium (Cr)	ug/L	<0.5	0.5	5631533
Dissolved Cobalt (Co)	ug/L	<0.03	0.03	5631533
Dissolved Copper (Cu)	ug/L	1.2	0.3	5631533
Dissolved Iron (Fe)	ug/L	9	5	5631533
Dissolved Lead (Pb)	ug/L	0.33	0.03	5631533
Dissolved Lithium (Li)	ug/L	8	3	5631533
Dissolved Manganese (Mn)	ug/L	1.8	0.3	5631533
Dissolved Molybdenum (Mo)	ug/L	1.0	0.3	5631533
Dissolved Nickel (Ni)	ug/L	1.4	0.1	5631533
Dissolved Selenium (Se)	ug/L	0.6	0.2	5631533
Dissolved Silicon (Si)	ug/L	4600	500	5631533
Dissolved Silver (Ag)	ug/L	<0.03	0.03	5631533
Dissolved Strontium (Sr)	ug/L	826	0.3	5631533
Dissolved Thallium (Tl)	ug/L	<0.01	0.01	5631533
Dissolved Tin (Sn)	ug/L	<1	1	5631533
Dissolved Titanium (Ti)	ug/L	<3	3	5631533
Dissolved Uranium (U)	ug/L	30.1	0.01	5631533
Dissolved Vanadium (V)	ug/L	<1	1	5631533
Dissolved Zinc (Zn)	ug/L	10.0	0.5	5631533
Dissolved Zirconium (Zr)	ug/L	<0.5	0.5	5631533
Dissolved Calcium (Ca)	mg/L	254	0.3	5623744
Dissolved Magnesium (Mg)	mg/L	186	0.3	5623744

RDL = Reportable Detection Limit

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LOW LEVEL DISSOLVED METALS IN WATER (GROUND)

Maxxam ID		CU5129		
Sampling Date		2012/02/23 13:54		
COC Number		08345475		
	Units	SRK05-9	RDL	QC Batch

Dissolved Potassium (K)	mg/L	3.7	0.3	5623744
Dissolved Sodium (Na)	mg/L	9.9	0.3	5623744
Dissolved Sulphur (S)	mg/L	358	50	5623744

RDL = Reportable Detection Limit

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LOW LEVEL DISSOLVED METALS IN WATER (SEEPAGE)

Maxxam ID		CU5128		
Sampling Date		2012/02/23 14:19		
COC Number		08345475		
	Units	V15	RDL	QC Batch

Misc. Inorganics				
Dissolved Hardness (CaCO3)	mg/L	2570	0.5	5625707
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	6	1	5631533
Dissolved Antimony (Sb)	ug/L	0.1	0.1	5631533
Dissolved Arsenic (As)	ug/L	0.6	0.1	5631533
Dissolved Barium (Ba)	ug/L	39.7	0.1	5631533
Dissolved Beryllium (Be)	ug/L	<0.05	0.05	5631533
Dissolved Bismuth (Bi)	ug/L	<0.03	0.03	5631533
Dissolved Boron (B)	ug/L	<300	300	5631533
Dissolved Cadmium (Cd)	ug/L	1.58	0.03	5631533
Dissolved Chromium (Cr)	ug/L	<0.5	0.5	5631533
Dissolved Cobalt (Co)	ug/L	0.05	0.03	5631533
Dissolved Copper (Cu)	ug/L	2.1	0.3	5631533
Dissolved Iron (Fe)	ug/L	9	5	5631533
Dissolved Lead (Pb)	ug/L	0.22	0.03	5631533
Dissolved Lithium (Li)	ug/L	23	3	5631533
Dissolved Manganese (Mn)	ug/L	1.6	0.3	5631533
Dissolved Molybdenum (Mo)	ug/L	0.7	0.3	5631533
Dissolved Nickel (Ni)	ug/L	113	0.1	5631533
Dissolved Selenium (Se)	ug/L	1.1	0.2	5631533
Dissolved Silicon (Si)	ug/L	5600	500	5631533
Dissolved Silver (Ag)	ug/L	<0.03	0.03	5631533
Dissolved Strontium (Sr)	ug/L	1410	0.3	5631533
Dissolved Thallium (Tl)	ug/L	<0.01	0.01	5631533
Dissolved Tin (Sn)	ug/L	<1	1	5631533
Dissolved Titanium (Ti)	ug/L	<3	3	5631533
Dissolved Uranium (U)	ug/L	63.6	0.01	5631533
Dissolved Vanadium (V)	ug/L	<1	1	5631533
Dissolved Zinc (Zn)	ug/L	2870	0.5	5631533
Dissolved Zirconium (Zr)	ug/L	<0.5	0.5	5631533
Dissolved Calcium (Ca)	mg/L	403	0.3	5623744
Dissolved Magnesium (Mg)	mg/L	381	0.3	5623744

RDL = Reportable Detection Limit

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LOW LEVEL DISSOLVED METALS IN WATER (SEEPAGE)

Maxxam ID		CU5128		
Sampling Date		2012/02/23 14:19		
COC Number		08345475		
	Units	V15	RDL	QC Batch

Dissolved Potassium (K)	mg/L	6.5	0.3	5623744
Dissolved Sodium (Na)	mg/L	14.3	0.3	5623744
Dissolved Sulphur (S)	mg/L	701	50	5623744

RDL = Reportable Detection Limit

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LOW LEVEL DISSOLVED METALS IN WATER (GROUND) Comments

Sample CU5129-03 Elements by ICPMS Low Level (dissolved): RDL raised due to sample matrix interference.

LOW LEVEL DISSOLVED METALS IN WATER (SEEPAGE) Comments

Sample CU5128-03 Elements by ICPMS Low Level (dissolved): RDL raised due to sample matrix interference.

Results relate only to the items tested.

DENISON ENVIRONMENTAL SERVICES
 Attention: KEVIN RAMSAY
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 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report

Maxxam Job Number: VB215689

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits	
5630060 BB3	Matrix Spike	Dissolved Chloride (Cl)	2012/02/27		NC	%	80 - 120	
	Spiked Blank	Dissolved Chloride (Cl)	2012/02/27		105	%	80 - 120	
	Method Blank	Dissolved Chloride (Cl)	2012/02/27	<0.5		mg/L		
	RPD [CU5129-02]	Dissolved Chloride (Cl)	2012/02/27	NC		%	20	
5630093 BB3	Matrix Spike	Dissolved Sulphate (SO4)	2012/02/27		109	%	80 - 120	
	Spiked Blank	Dissolved Sulphate (SO4)	2012/02/27		98	%	80 - 120	
	Method Blank	Dissolved Sulphate (SO4)	2012/02/27	<0.50		mg/L		
	RPD [CU5129-02]	Dissolved Sulphate (SO4)	2012/02/27	3.5		%	20	
5631533 AA1	Matrix Spike	Dissolved Aluminum (Al)	2012/02/29		105	%	80 - 120	
		Dissolved Antimony (Sb)	2012/02/29		109	%	80 - 120	
		Dissolved Arsenic (As)	2012/02/29		104	%	80 - 120	
		Dissolved Barium (Ba)	2012/02/29		102	%	80 - 120	
		Dissolved Beryllium (Be)	2012/02/29		110	%	80 - 120	
		Dissolved Bismuth (Bi)	2012/02/29		107	%	80 - 120	
		Dissolved Cadmium (Cd)	2012/02/29		105	%	80 - 120	
		Dissolved Chromium (Cr)	2012/02/29		101	%	80 - 120	
		Dissolved Cobalt (Co)	2012/02/29		100	%	80 - 120	
		Dissolved Copper (Cu)	2012/02/29		99	%	80 - 120	
		Dissolved Iron (Fe)	2012/02/29		110	%	80 - 120	
		Dissolved Lead (Pb)	2012/02/29		105	%	80 - 120	
		Dissolved Lithium (Li)	2012/02/29		102	%	80 - 120	
		Dissolved Manganese (Mn)	2012/02/29		103	%	80 - 120	
		Dissolved Molybdenum (Mo)	2012/02/29		97	%	80 - 120	
		Dissolved Nickel (Ni)	2012/02/29		101	%	80 - 120	
		Dissolved Selenium (Se)	2012/02/29		112	%	80 - 120	
		Dissolved Silver (Ag)	2012/02/29		109	%	80 - 120	
		Dissolved Strontium (Sr)	2012/02/29		NC	%	80 - 120	
		Dissolved Thallium (Tl)	2012/02/29		97	%	80 - 120	
		Dissolved Tin (Sn)	2012/02/29		110	%	80 - 120	
		Dissolved Titanium (Ti)	2012/02/29		101	%	80 - 120	
		Dissolved Uranium (U)	2012/02/29		110	%	80 - 120	
		Dissolved Vanadium (V)	2012/02/29		NC	%	80 - 120	
		Dissolved Zinc (Zn)	2012/02/29		103	%	80 - 120	
		Spiked Blank	Dissolved Aluminum (Al)	2012/02/29		104	%	80 - 120
			Dissolved Antimony (Sb)	2012/02/29		108	%	80 - 120
			Dissolved Arsenic (As)	2012/02/29		102	%	80 - 120
			Dissolved Barium (Ba)	2012/02/29		103	%	80 - 120
			Dissolved Beryllium (Be)	2012/02/29		107	%	80 - 120
			Dissolved Bismuth (Bi)	2012/02/29		104	%	80 - 120
			Dissolved Cadmium (Cd)	2012/02/29		102	%	80 - 120
			Dissolved Chromium (Cr)	2012/02/29		101	%	80 - 120
	Dissolved Cobalt (Co)		2012/02/29		100	%	80 - 120	
Dissolved Copper (Cu)	2012/02/29			100	%	80 - 120		
Dissolved Iron (Fe)	2012/02/29			110	%	80 - 120		
Dissolved Lead (Pb)	2012/02/29			104	%	80 - 120		
Dissolved Lithium (Li)	2012/02/29			106	%	80 - 120		
Dissolved Manganese (Mn)	2012/02/29			104	%	80 - 120		
Dissolved Molybdenum (Mo)	2012/02/29			98	%	80 - 120		
Dissolved Nickel (Ni)	2012/02/29			101	%	80 - 120		
Dissolved Selenium (Se)	2012/02/29			105	%	80 - 120		
Dissolved Silver (Ag)	2012/02/29		106	%	80 - 120			
Dissolved Strontium (Sr)	2012/02/29		103	%	80 - 120			
Dissolved Thallium (Tl)	2012/02/29		110	%	80 - 120			
Dissolved Tin (Sn)	2012/02/29		100	%	80 - 120			
Dissolved Titanium (Ti)	2012/02/29		98	%	80 - 120			

DENISON ENVIRONMENTAL SERVICES
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 Site Location: FARO MINE COMPLEX

Quality Assurance Report (Continued)

Maxxam Job Number: VB215689

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits	
5631533 AA1	Spiked Blank	Dissolved Uranium (U)	2012/02/29		106	%	80 - 120	
		Dissolved Vanadium (V)	2012/02/29		100	%	80 - 120	
		Dissolved Zinc (Zn)	2012/02/29		104	%	80 - 120	
	Method Blank	Dissolved Aluminum (Al)	2012/02/29	<0.2		ug/L		
		Dissolved Antimony (Sb)	2012/02/29	<0.02		ug/L		
		Dissolved Arsenic (As)	2012/02/29	<0.02		ug/L		
		Dissolved Barium (Ba)	2012/02/29	<0.02		ug/L		
		Dissolved Beryllium (Be)	2012/02/29	<0.01		ug/L		
		Dissolved Bismuth (Bi)	2012/02/29	<0.005		ug/L		
		Dissolved Boron (B)	2012/02/29	<50		ug/L		
		Dissolved Cadmium (Cd)	2012/02/29	<0.005		ug/L		
		Dissolved Chromium (Cr)	2012/02/29	<0.1		ug/L		
		Dissolved Cobalt (Co)	2012/02/29	<0.005		ug/L		
		Dissolved Copper (Cu)	2012/02/29	<0.05		ug/L		
		Dissolved Iron (Fe)	2012/02/29	<1		ug/L		
		Dissolved Lead (Pb)	2012/02/29	<0.005		ug/L		
		Dissolved Lithium (Li)	2012/02/29	<0.5		ug/L		
		Dissolved Manganese (Mn)	2012/02/29	<0.05		ug/L		
		Dissolved Molybdenum (Mo)	2012/02/29	<0.05		ug/L		
		Dissolved Nickel (Ni)	2012/02/29	<0.02		ug/L		
		Dissolved Selenium (Se)	2012/02/29	<0.04		ug/L		
		Dissolved Silicon (Si)	2012/02/29	<100		ug/L		
		Dissolved Silver (Ag)	2012/02/29	<0.005		ug/L		
		Dissolved Strontium (Sr)	2012/02/29	<0.05		ug/L		
		Dissolved Thallium (Tl)	2012/02/29	<0.002		ug/L		
		Dissolved Tin (Sn)	2012/02/29	<0.2		ug/L		
		Dissolved Titanium (Ti)	2012/02/29	<0.5		ug/L		
		Dissolved Uranium (U)	2012/02/29	<0.002		ug/L		
		Dissolved Vanadium (V)	2012/02/29	<0.2		ug/L		
		Dissolved Zinc (Zn)	2012/02/29	<0.1		ug/L		
		Dissolved Zirconium (Zr)	2012/02/29	<0.1		ug/L		
		RPD	Dissolved Aluminum (Al)	2012/02/29	16.6		%	20
			Dissolved Antimony (Sb)	2012/02/29	NC		%	20
Dissolved Arsenic (As)	2012/02/29		1.3		%	20		
Dissolved Barium (Ba)	2012/02/29		0.6		%	20		
Dissolved Beryllium (Be)	2012/02/29		NC		%	20		
Dissolved Bismuth (Bi)	2012/02/29		NC		%	20		
Dissolved Boron (B)	2012/02/29		NC		%	20		
Dissolved Cadmium (Cd)	2012/02/29		NC		%	20		
Dissolved Chromium (Cr)	2012/02/29		0.06		%	20		
Dissolved Cobalt (Co)	2012/02/29		NC		%	20		
Dissolved Copper (Cu)	2012/02/29		NC		%	20		
Dissolved Iron (Fe)	2012/02/29		NC		%	20		
Dissolved Lead (Pb)	2012/02/29		NC		%	20		
Dissolved Lithium (Li)	2012/02/29		NC		%	20		
Dissolved Manganese (Mn)	2012/02/29		2.8		%	20		
Dissolved Molybdenum (Mo)	2012/02/29		NC		%	20		
Dissolved Nickel (Ni)	2012/02/29		NC		%	20		
Dissolved Selenium (Se)	2012/02/29		7.0		%	20		
Dissolved Silicon (Si)	2012/02/29	0.2		%	20			
Dissolved Silver (Ag)	2012/02/29	NC		%	20			
Dissolved Strontium (Sr)	2012/02/29	0.4		%	20			
Dissolved Thallium (Tl)	2012/02/29	NC		%	20			
Dissolved Tin (Sn)	2012/02/29	NC		%	20			
Dissolved Titanium (Ti)	2012/02/29	NC		%	20			

DENISON ENVIRONMENTAL SERVICES
 Attention: KEVIN RAMSAY
 Client Project #: FEBRUARY 23, 2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report (Continued)

Maxxam Job Number: VB215689

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
5631533 AA1	RPD	Dissolved Uranium (U)	2012/02/29	3.7		%	20
		Dissolved Vanadium (V)	2012/02/29	3.8		%	20
		Dissolved Zinc (Zn)	2012/02/29	NC		%	20
		Dissolved Zirconium (Zr)	2012/02/29	NC		%	20
5631752 WAY	Spiked Blank	Acidity (pH 8.3)	2012/02/28		100	%	80 - 120
	Method Blank	Acidity (pH 4.5)	2012/02/28	<0.5		mg/L	
		Acidity (pH 8.3)	2012/02/28	<0.5		mg/L	
	RPD	Acidity (pH 4.5)	2012/02/28	NC		%	20
		Acidity (pH 8.3)	2012/02/28	NC		%	20
5631858 MM3	Spiked Blank	Conductivity	2012/02/28		100	%	80 - 120
	Method Blank	Conductivity	2012/02/28	<1.0		uS/cm	
	RPD	Conductivity	2012/02/29	0.5		%	20
5631859 MM3	Matrix Spike	Alkalinity (Total as CaCO3)	2012/02/28		NC	%	80 - 120
	Spiked Blank	Alkalinity (Total as CaCO3)	2012/02/28		94	%	80 - 120
	Method Blank	Alkalinity (Total as CaCO3)	2012/02/28	<0.50		mg/L	
		Alkalinity (PP as CaCO3)	2012/02/28	<0.50		mg/L	
		Bicarbonate (HCO3)	2012/02/28	<0.50		mg/L	
		Carbonate (CO3)	2012/02/28	<0.50		mg/L	
		Hydroxide (OH)	2012/02/28	<0.50		mg/L	
	RPD	Alkalinity (Total as CaCO3)	2012/02/29	1.1		%	20
		Alkalinity (PP as CaCO3)	2012/02/29	NC		%	20
		Bicarbonate (HCO3)	2012/02/29	1.1		%	20
		Carbonate (CO3)	2012/02/29	NC		%	20
		Hydroxide (OH)	2012/02/29	NC		%	20
5635836 ZY1	Spiked Blank	Total Suspended Solids	2012/02/29		102	%	80 - 120
	Method Blank	Total Suspended Solids	2012/02/29	<1.0		mg/L	

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

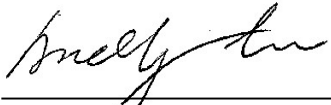
NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was not sufficiently significant to permit a reliable recovery calculation.

NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.

Validation Signature Page

Maxxam Job #: B215689

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



ANDY LU, Data Validation Coordinator



JENNIFER VILLOCERO, Burnaby Sample Logins

=====
Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Job #: B215689

COC #: _____

[Click here to get the COC number](#)



08345475

Page: 1 of 1

Invoice To: Require Report? Yes No

Company Name: #4337 Denison Environmental Services
 Contact Name: Kevin Ramsay
 Address: Box 280
 Faro, Yukon PC: Y0B 1K0
 Phone / Fax#: Ph: 867-994-2600 Fax: _____
 E-mail: kramsay@denisonenvironmental.com

Report To:
 Company Name: #4337 Denison Environmental Services
 Contact Name: Kevin Ramsay
 Address: Box 280
 Faro, Yukon PC: Y0B 1K0
 Phone / Fax#: Ph: 867-994-2600 Fax: _____
 E-mail: kramsay@denisonenvironmental.com

PO #:	
Quotation #:	
Project #:	
Proj. Name:	February 23, 2012
Location:	Faro Mine Complex
Sampled by:	N. Gardiner / T. Parkin

REGULATORY REQUIREMENTS: SERVICE REQUESTED:

CSR Regular Turn Around Time (TAT)
 (5 days for most tests)
 CCME RUSH (Please contact the lab)
 BC Water Quality Other _____
 DRINKING WATER 1 Day 2 Day 3 Day
 Date Required: _____

SPECIAL INSTRUCTIONS:
 Return Cooler Ship Sample Bottles (please specify)

ANALYSIS REQUESTED

Field Filtered?	Field Acidified?	Field Filtered?	Field Acidified?	Field Filtered?	Field Acidified?	Field Filtered?	Field Acidified?	Field Filtered?	Field Acidified?	Field Filtered?	Field Acidified?	Field Filtered?	Field Acidified?	Field Filtered?	Field Acidified?	Field Filtered?	Field Acidified?	Acidity	Alkalinity	Chloride	pH	Conductance (EC)	Sulphate	Total Dissolved Solids (TDS)	Total Suspended Solids (TSS)	Ammonia	Nitrate	Hardness	LDL - Total Phosphorus	Colour	Total Organic Carbon (TOC)	Total Mercury	Cyanide	Number of Containers		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X	X	X	X	X	X										3	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X	X	X	X	X	X										3	

Sample Identification	Lab Identification	Sample Type	Date/Time(24hr) Sampled	LDL - Dissolved Metals (DM)	LDL - Total Metals	CSR - Dissolved Metals (DM)	CSR - Total Metals	Dissolved Organic Carbon(DOC)	Dissolved Mercury
1 V15	CUS128	Seepage	12/02/23 14:19	X					
2 SRK05-9	128	Ground W	12/02/23 13:54	X					
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									



B215689

Print name and sign			Print name and sign			Laboratory Use Only						
*Relinquished By:	Date (yy/mm/dd):	Time (24hr):	Received by:	Date (yy/mm/dd):	Time (24 hr):	Time Sensitive	Temperature on Receipt (°C)			Custody Seal	Yes	No
K. Ramsay	12/02/23	18:00	AVANI PATEL	2012/02/24	13:25	<input checked="" type="checkbox"/>	A) 4	B) 4	C) 4	Present?	<input type="checkbox"/>	<input type="checkbox"/>
							Just sampled & rec'd on ice. <input type="checkbox"/>			Intact? NA	<input type="checkbox"/>	<input type="checkbox"/>

IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORDS: AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.