

Your Project #: FEBRUARY 2,2012
 Site Location: FARO MINE COMPLEX
 Your C.O.C. #: 08344787

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

Report Date: 2012/02/10

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B209332
Received: 2012/02/03, 13:30

Sample Matrix: Seepage
 # Samples Received: 2

Analyses	Quantity	Date		Laboratory Method	Analytical Method
		Extracted	Analyzed		
Acidity pH 4.5 & pH 8.3	2	N/A	2012/02/04	BBY6SOP-00037	SM-2310
Alkalinity - Water	2	2012/02/04	2012/02/09	BBY6SOP-00026, BBY0SOP-00002	SM2320B
Chloride by Automated Colourimetry	2	N/A	2012/02/06	BBY6SOP-00011	SM-4500-CI-
Colour (True)	2	N/A	2012/02/06	BBY6SOP-00021	SM-2120B
Conductance - water	2	N/A	2012/02/05	BBY6SOP-00026	SM-2510B
Hardness (calculated as CaCO3)	2	N/A	2012/02/09	BBY7SOP-00002	Calculated Parameter
Ion Balance	2	N/A	2012/02/10	Calc	
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	2	N/A	2012/02/09	BBY7SOP-00002	EPA 6020A
Elements by ICPMS Low Level (dissolved)	2	N/A	2012/02/08	BBY7SOP-00002	EPA 6020A
Ammonia-N	2	N/A	2012/02/08	BBY6SOP-00009	SM-4500NH3G
Filter and HNO3 Preserve for Metals	2	N/A	2012/02/03	BBY6WI-00001	EPA 200.2
pH Water	2	N/A	2012/02/09	BBY6SOP-00026	SM-4500H+B
Sulphate by Automated Colourimetry	1	N/A	2012/02/06	BBY6SOP-00017	SM4500-SO42
Sulphate by Automated Colourimetry	1	N/A	2012/02/07	BBY6SOP-00017	SM4500-SO42
Sublet (Inorganics) (1)	2	N/A	2012/02/10		
Total Suspended Solids-LowLevel	2	2012/02/08	2012/02/09	BBY6SOP-00034	SM-2540 D

Sample Matrix: Surface
 # Samples Received: 3

Analyses	Quantity	Date		Laboratory Method	Analytical Method
		Extracted	Analyzed		
Alkalinity - Water	3	2012/02/04	2012/02/09	BBY6SOP-00026, BBY0SOP-00002	SM2320B
Chloride by Automated Colourimetry	3	N/A	2012/02/06	BBY6SOP-00011	SM-4500-CI-
Carbon (DOC)	1	N/A	2012/02/07	BBY6SOP-00003	SM-5310C
Conductance - water	3	N/A	2012/02/05	BBY6SOP-00026	SM-2510B
Hardness Total (calculated as CaCO3)	3	N/A	2012/02/07		
Hardness (calculated as CaCO3)	3	N/A	2012/02/09	BBY7SOP-00002	Calculated Parameter
Ion Balance	3	N/A	2012/02/10	Calc	
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	3	N/A	2012/02/09	BBY7SOP-00002	EPA 6020A
Elements by ICPMS Low Level (dissolved)	3	N/A	2012/02/08	BBY7SOP-00002	EPA 6020A
Na, K, Ca, Mg, S by CRC ICPMS (total)	3	N/A	2012/02/07	BBY7SOP-00002	EPA 6020A
Elements by ICPMS Low Level (total)	3	N/A	2012/02/07	BBY7SOP-00002	EPA 6020A
Ammonia-N	3	N/A	2012/02/08	BBY6SOP-00009	SM-4500NH3G

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CERTIFICATE OF ANALYSIS

-2-

Sample Matrix: Surface
 # Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Nitrate + Nitrite (N)	3	N/A	2012/02/04	BBY6SOP-00010	USEPA 353.2
Nitrite (N) by CFA	3	N/A	2012/02/04	BBY6SOP-00010	EPA 353.2
Nitrogen - Nitrate (as N)	3	N/A	2012/02/06	BBY6SOP-00010	Based on EPA 353.2
Filter and HNO3 Preserve for Metals	3	N/A	2012/02/03	BBY6WI-00001	EPA 200.2
pH Water	3	N/A	2012/02/09	BBY6SOP-00026	SM-4500H+B
Sulphate by Automated Colourimetry	3	N/A	2012/02/07	BBY6SOP-00017	SM4500-SO42
Total Dissolved Solids (Filt. Residue)	3	2012/02/08	2012/02/08	BBY6SOP-00033	SM 2540C
Carbon (Total Organic)	1	N/A	2012/02/07	BBY6SOP-00003	SM-5310C
Total Suspended Solids-LowLevel	3	2012/02/08	2012/02/09	BBY6SOP-00034	SM-2540 D

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

(1) This test was performed by Maxxam Ontario (From Burnaby)

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 #: B209332
 Report Date: 2012/02/10

DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBRUARY 2,2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: TP

RESULTS OF CHEMICAL ANALYSES OF SEEPAGE

Maxxam ID		CQ4422			CQ4423		
Sampling Date		2012/02/02 13:37			2012/02/02 13:47		
COC Number		08344787			08344787		
	Units	X13	RDL	QC Batch	DUPLICATE 1	RDL	QC Batch
Misc. Inorganics							
Acidity (pH 4.5)	mg/L	<0.5	0.5	5568196	<0.5	0.5	5568196
Acidity (pH 8.3)	mg/L	25.9	0.5	5568196	22.4	0.5	5568196
Parameter							
Subcontract Parameter	N/A	ATTACHED	N/A	5588197	ATTACHED	N/A	5588197
Calculated Parameters							
Filter and HNO3 Preservation	N/A	FIELD	N/A	ONSITE	FIELD	N/A	ONSITE
Ion Balance	N/A	1.0	0.010	5567783	1.0	0.010	5567783
Misc. Inorganics							
Alkalinity (Total as CaCO3)	mg/L	353	0.50	5568171	346	0.50	5568171
Alkalinity (PP as CaCO3)	mg/L	<0.50	0.50	5568171	<0.50	0.50	5568171
Bicarbonate (HCO3)	mg/L	430	0.50	5568171	422	0.50	5568171
Carbonate (CO3)	mg/L	<0.50	0.50	5568171	<0.50	0.50	5568171
Hydroxide (OH)	mg/L	<0.50	0.50	5568171	<0.50	0.50	5568171
Anions							
Dissolved Sulphate (SO4)	mg/L	1240	50	5576104	1270	5.0	5571503
Dissolved Chloride (Cl)	mg/L	2.1	0.5	5571498	2.3	0.5	5571498
MISCELLANEOUS							
True Colour	Col. Unit	20 (1)	5	5571504	20 (1)	5	5571504
Nutrients							
Ammonia (N)	mg/L	0.88	0.0050	5578612	0.88	0.0050	5578612
Physical Properties							
Conductivity	uS/cm	2400	1.0	5568172	2510	1.0	5568172
pH	pH Units	7.89		5568173	7.99		5568173
Physical Properties							
Total Suspended Solids	mg/L	13.7	1.0	5579218	14.5	1.0	5579218
RDL = Reportable Detection Limit (1) Analysis requested past recommended holding time							

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 Report Date: 2012/02/10

 DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBRUARY 2,2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: TP

RESULTS OF CHEMICAL ANALYSES OF SURFACE

Maxxam ID		CQ4419	CQ4420		CQ4421		
Sampling Date		2012/02/02 11:10	2012/02/02 10:48		2012/02/02 12:52		
COC Number		08344787	08344787		08344787		
	Units	ETA COMBINED	FCS-4	RDL	X14	RDL	QC Batch

ANIONS							
Nitrite (N)	mg/L	0.006	<0.005	0.005	<0.05 (1)	0.05	5568233
Calculated Parameters							
Filter and HNO3 Preservation	N/A	FIELD	FIELD	N/A	FIELD	N/A	ONSITE
Ion Balance	N/A	0.89	0.91	0.010	1.0	0.010	5567783
Nitrate (N)	mg/L	0.027	0.035	0.020	0.213	0.050	5566321
Misc. Inorganics							
Dissolved Organic Carbon (C)	mg/L				1.83	0.50	5575528
Alkalinity (Total as CaCO3)	mg/L	<0.50	<0.50	0.50	165	0.50	5568171
Total Organic Carbon (C)	mg/L				2.01	0.50	5575530
Alkalinity (PP as CaCO3)	mg/L	<0.50	<0.50	0.50	<0.50	0.50	5568171
Bicarbonate (HCO3)	mg/L	<0.50	<0.50	0.50	201	0.50	5568171
Carbonate (CO3)	mg/L	<0.50	<0.50	0.50	<0.50	0.50	5568171
Hydroxide (OH)	mg/L	<0.50	<0.50	0.50	<0.50	0.50	5568171
Anions							
Dissolved Sulphate (SO4)	mg/L	7740	6810	50	191	0.50	5576104
Dissolved Chloride (Cl)	mg/L	11	13	0.5	<0.5	0.5	5571498
Nutrients							
Ammonia (N)	mg/L	2.0 (2)	1.4 (2)	0.050	0.10	0.0050	5578612
Nitrate plus Nitrite (N)	mg/L	0.033	0.035	0.020	0.213	0.020	5568232
Physical Properties							
Conductivity	uS/cm	7660	7200	1.0	683	1.0	5568172
pH	pH Units	4.36	4.24		8.08		5568173
Physical Properties							
Total Suspended Solids	mg/L	229	278	1.0	1.3	1.0	5579218
Total Dissolved Solids	mg/L	9220	9300	10	440	10	5577836

RDL = Reportable Detection Limit

(1) RDL raised due to sample matrix interference. Matrix spike exceeds acceptance limits due to matrix interference. Re-analysis yields similar results.

(2) RDL raised due to sample matrix interference.

Maxxam Job #: B209332
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DENISON ENVIRONMENTAL SERVICES
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 Site Location: FARO MINE COMPLEX
 Sampler Initials: TP

LOW LEVEL DISSOLVED METALS IN WATER (SEEPAGE)

Maxxam ID		CQ4422	CQ4423		
Sampling Date		2012/02/02 13:37	2012/02/02 13:47		
COC Number		08344787	08344787		
	Units	X13	DUPLICATE 1	RDL	QC Batch

Misc. Inorganics					
Dissolved Hardness (CaCO3)	mg/L	1560	1590	0.5	5565524
Dissolved Metals by ICPMS					
Dissolved Aluminum (Al)	ug/L	7	4	1	5571483
Dissolved Antimony (Sb)	ug/L	<0.1	<0.1	0.1	5571483
Dissolved Arsenic (As)	ug/L	1.7	1.5	0.1	5571483
Dissolved Barium (Ba)	ug/L	47.3	48.1	0.1	5571483
Dissolved Beryllium (Be)	ug/L	<0.05	<0.05	0.05	5571483
Dissolved Bismuth (Bi)	ug/L	<0.03	<0.03	0.03	5571483
Dissolved Boron (B)	ug/L	<300	<300	300	5571483
Dissolved Cadmium (Cd)	ug/L	0.45	0.37	0.03	5571483
Dissolved Chromium (Cr)	ug/L	<0.5	<0.5	0.5	5571483
Dissolved Cobalt (Co)	ug/L	22.4	22.9	0.03	5571483
Dissolved Copper (Cu)	ug/L	0.9	0.5	0.3	5571483
Dissolved Iron (Fe)	ug/L	6100	6260	5	5571483
Dissolved Lead (Pb)	ug/L	0.47	0.43	0.03	5571483
Dissolved Lithium (Li)	ug/L	18	18	3	5571483
Dissolved Manganese (Mn)	ug/L	27800	27800	0.3	5571483
Dissolved Mercury (Hg)	ug/L	<0.05	<0.05	0.05	5571483
Dissolved Molybdenum (Mo)	ug/L	0.7	0.5	0.3	5571483
Dissolved Nickel (Ni)	ug/L	40.8	40.3	0.1	5571483
Dissolved Selenium (Se)	ug/L	<0.2	<0.2	0.2	5571483
Dissolved Silicon (Si)	ug/L	8420	8560	500	5571483
Dissolved Silver (Ag)	ug/L	<0.03	<0.03	0.03	5571483
Dissolved Strontium (Sr)	ug/L	1150	1170	0.3	5571483
Dissolved Thallium (Tl)	ug/L	0.03	0.03	0.01	5571483
Dissolved Tin (Sn)	ug/L	<1	<1	1	5571483
Dissolved Titanium (Ti)	ug/L	<3	<3	3	5571483
Dissolved Uranium (U)	ug/L	7.81	7.69	0.01	5571483
Dissolved Vanadium (V)	ug/L	<1	<1	1	5571483
Dissolved Zinc (Zn)	ug/L	50.8	29.4	0.5	5571483
Dissolved Zirconium (Zr)	ug/L	<0.5	<0.5	0.5	5571483
Dissolved Calcium (Ca)	mg/L	459	470	0.3	5565525

RDL = Reportable Detection Limit

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DENISON ENVIRONMENTAL SERVICES
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LOW LEVEL DISSOLVED METALS IN WATER (SEEPAGE)

Maxxam ID		CQ4422	CQ4423		
Sampling Date		2012/02/02 13:37	2012/02/02 13:47		
COC Number		08344787	08344787		
	Units	X13	DUPLICATE 1	RDL	QC Batch

Dissolved Magnesium (Mg)	mg/L	101	101	0.3	5565525
Dissolved Potassium (K)	mg/L	6.7	6.7	0.3	5565525
Dissolved Sodium (Na)	mg/L	35.7	35.7	0.3	5565525
Dissolved Sulphur (S)	mg/L	496	494	50	5565525

RDL = Reportable Detection Limit

Maxxam Job #: B209332
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 DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBRUARY 2,2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: TP

LOW LEVEL DISSOLVED METALS IN WATER (SURFACE)

Maxxam ID		CQ4419			CQ4420		CQ4421		
Sampling Date		2012/02/02 11:10			2012/02/02 10:48		2012/02/02 12:52		
COC Number		08344787			08344787		08344787		
	Units	ETA COMBINED	RDL	QC Batch	FCS-4	RDL	X14	RDL	QC Batch

Misc. Inorganics									
Dissolved Hardness (CaCO ₃)	mg/L	3980	0.5	5565524	4060	0.5	342	0.5	5565524
Dissolved Metals by ICPMS									
Dissolved Aluminum (Al)	ug/L	922	4	5571483	105	4	2.0	0.2	5571483
Dissolved Antimony (Sb)	ug/L	<0.4	0.4	5571483	<0.4	0.4	0.07	0.02	5571483
Dissolved Arsenic (As)	ug/L	35.7	0.4	5571483	4.9	0.4	0.25	0.02	5571483
Dissolved Barium (Ba)	ug/L	11.7	0.4	5571483	11.5	0.4	63.9	0.02	5571483
Dissolved Beryllium (Be)	ug/L	0.9	0.2	5571483	<0.2	0.2	<0.01	0.01	5571483
Dissolved Bismuth (Bi)	ug/L	<0.1	0.1	5571483	<0.1	0.1	<0.005	0.005	5571483
Dissolved Boron (B)	ug/L	<1000	1000	5571483	<1000	1000	<50	50	5571483
Dissolved Cadmium (Cd)	ug/L	12.9	0.1	5571483	12.3	0.1	0.069	0.005	5571483
Dissolved Chromium (Cr)	ug/L	<2	2	5571483	<2	2	<0.1	0.1	5571483
Dissolved Cobalt (Co)	ug/L	1060	0.1	5571483	848	0.1	1.80	0.005	5571483
Dissolved Copper (Cu)	ug/L	6.82 (1)	0.05	5584718	5	1	0.32 (1)	0.05	5571483
Dissolved Iron (Fe)	ug/L	1200000	20	5571483	870000	20	277	1	5571483
Dissolved Lead (Pb)	ug/L	1.4	0.1	5571483	<0.1	0.1	0.136	0.005	5571483
Dissolved Lithium (Li)	ug/L	137	10	5571483	140	10	7.8	0.5	5571483
Dissolved Manganese (Mn)	ug/L	85400	1	5571483	80100	1	2900	0.05	5571483
Dissolved Molybdenum (Mo)	ug/L	<1	1	5571483	<1	1	0.70	0.05	5571483
Dissolved Nickel (Ni)	ug/L	919	0.4	5571483	784	0.4	5.04	0.02	5571483
Dissolved Selenium (Se)	ug/L	<0.8	0.8	5571483	<0.8	0.8	0.42	0.04	5571483
Dissolved Silicon (Si)	ug/L	14800	2000	5571483	11800	2000	5800	100	5571483
Dissolved Silver (Ag)	ug/L	0.2	0.1	5571483	0.2	0.1	<0.005	0.005	5571483
Dissolved Strontium (Sr)	ug/L	3930	1	5571483	3790	1	307	0.05	5571483
Dissolved Thallium (Tl)	ug/L	0.27	0.04	5571483	0.34	0.04	0.005	0.002	5571483
Dissolved Tin (Sn)	ug/L	<4	4	5571483	<4	4	<0.2	0.2	5571483
Dissolved Titanium (Ti)	ug/L	<10	10	5571483	<10	10	<0.5	0.5	5571483
Dissolved Uranium (U)	ug/L	4.57	0.04	5571483	5.47	0.04	3.03	0.002	5571483
Dissolved Vanadium (V)	ug/L	<4	4	5571483	<4	4	<0.2	0.2	5571483
Dissolved Zinc (Zn)	ug/L	449000	2	5571483	359000	2	28.9	0.1	5571483
Dissolved Zirconium (Zr)	ug/L	<2	2	5571483	<2	2	<0.1	0.1	5571483
Dissolved Calcium (Ca)	mg/L	443	1	5565525	447	1	101	0.05	5565525
Dissolved Magnesium (Mg)	mg/L	699	1	5565525	715	1	22.2	0.05	5565525

RDL = Reportable Detection Limit
 (1) Dissolved greater than total. Reanalysis yields similar results

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DENISON ENVIRONMENTAL SERVICES
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 Site Location: FARO MINE COMPLEX
 Sampler Initials: TP

LOW LEVEL DISSOLVED METALS IN WATER (SURFACE)

Maxxam ID		CQ4419			CQ4420		CQ4421		
Sampling Date		2012/02/02 11:10			2012/02/02 10:48		2012/02/02 12:52		
COC Number		08344787			08344787		08344787		
	Units	ETA COMBINED	RDL	QC Batch	FCS-4	RDL	X14	RDL	QC Batch

Dissolved Potassium (K)	mg/L	14	1	5565525	13	1	1.94	0.05	5565525
Dissolved Sodium (Na)	mg/L	71	1	5565525	69	1	7.22	0.05	5565525
Dissolved Sulphur (S)	mg/L	2420	200	5565525	2160	200	72	10	5565525

RDL = Reportable Detection Limit

Maxxam Job #: B209332
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DENISON ENVIRONMENTAL SERVICES
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 Sampler Initials: TP

LOW LEVEL TOTAL METALS IN WATER (SURFACE)

Maxxam ID		CQ4419	CQ4420		CQ4421		
Sampling Date		2012/02/02 11:10	2012/02/02 10:48		2012/02/02 12:52		
COC Number		08344787	08344787		08344787		
	Units	ETA COMBINED	FCS-4	RDL	X14	RDL	QC Batch

Calculated Parameters							
Total Hardness (CaCO3)	mg/L	4380	4320	0.50	341	0.50	5566143
Total Metals by ICPMS							
Total Aluminum (Al)	ug/L	1520	1090	10	5.2	0.2	5570754
Total Antimony (Sb)	ug/L	<1	<1	1	0.06	0.02	5570754
Total Arsenic (As)	ug/L	40	25	1	0.39	0.02	5570754
Total Barium (Ba)	ug/L	14	13	1	66.1	0.02	5570754
Total Beryllium (Be)	ug/L	0.8	0.7	0.5	<0.01	0.01	5570754
Total Bismuth (Bi)	ug/L	<0.3	<0.3	0.3	<0.005	0.005	5570754
Total Boron (B)	ug/L	<3000	<3000	3000	<50	50	5570754
Total Cadmium (Cd)	ug/L	13.5	14.3	0.3	0.063	0.005	5570754
Total Chromium (Cr)	ug/L	<5	<5	5	<0.1	0.1	5570754
Total Cobalt (Co)	ug/L	1150	908	0.3	1.88	0.005	5570754
Total Copper (Cu)	ug/L	<3	7	3	0.18	0.05	5570754
Total Iron (Fe)	ug/L	1300000	925000	50	472	1	5570754
Total Lead (Pb)	ug/L	20.9	47.7	0.3	0.138	0.005	5570754
Total Lithium (Li)	ug/L	148	139	30	8.0	0.5	5570754
Total Manganese (Mn)	ug/L	97800	90100	3	2840	0.05	5570754
Total Molybdenum (Mo)	ug/L	4	<3	3	0.67	0.05	5570754
Total Nickel (Ni)	ug/L	974	831	1	4.87	0.02	5570754
Total Selenium (Se)	ug/L	<2	<2	2	0.44	0.04	5570754
Total Silicon (Si)	ug/L	15600	13300	5000	5990	100	5570754
Total Silver (Ag)	ug/L	<0.3	<0.3	0.3	<0.005	0.005	5570754
Total Strontium (Sr)	ug/L	4360	4140	3	323	0.05	5570754
Total Thallium (Tl)	ug/L	0.3	0.4	0.1	0.005	0.002	5570754
Total Tin (Sn)	ug/L	<10	<10	10	<0.2	0.2	5570754
Total Titanium (Ti)	ug/L	<30	<30	30	<0.5	0.5	5570754
Total Uranium (U)	ug/L	6.3	6.7	0.1	2.83	0.002	5570754
Total Vanadium (V)	ug/L	<10	<10	10	<0.2	0.2	5570754
Total Zinc (Zn)	ug/L	531000	429000	5	28.1	0.1	5570754
Total Zirconium (Zr)	ug/L	<5	<5	5	<0.1	0.1	5570754
Total Calcium (Ca)	mg/L	492	470	3	102	0.05	5566575
Total Magnesium (Mg)	mg/L	766	764	3	21.2	0.05	5566575

RDL = Reportable Detection Limit

Maxxam Job #: B209332
 Report Date: 2012/02/10

DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBRUARY 2, 2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: TP

LOW LEVEL TOTAL METALS IN WATER (SURFACE)

Maxxam ID		CQ4419	CQ4420		CQ4421		
Sampling Date		2012/02/02 11:10	2012/02/02 10:48		2012/02/02 12:52		
COC Number		08344787	08344787		08344787		
	Units	ETA COMBINED	FCS-4	RDL	X14	RDL	QC Batch

Total Potassium (K)	mg/L	16	15	3	1.94	0.05	5566575
Total Sodium (Na)	mg/L	76	72	3	6.83	0.05	5566575
Total Sulphur (S)	mg/L	2350	2150	500	74	10	5566575

RDL = Reportable Detection Limit

Maxxam Job #: B209332
Report Date: 2012/02/10

DENISON ENVIRONMENTAL SERVICES
Client Project #: FEBRUARY 2,2012
Site Location: FARO MINE COMPLEX
Sampler Initials: TP

LOW LEVEL DISSOLVED METALS IN WATER (SEEPAGE) Comments

Sample CQ4422-03 Elements by ICPMS Low Level (dissolved): RDL raised due to sample matrix interference.

Sample CQ4423-03 Elements by ICPMS Low Level (dissolved): RDL raised due to sample matrix interference.

LOW LEVEL DISSOLVED METALS IN WATER (SURFACE) Comments

Sample CQ4419-04 Elements by ICPMS Low Level (dissolved): RDL raised due to sample matrix interference.

Sample CQ4419, Elements by ICPMS Low Level (dissolved): Test repeated.

Sample CQ4420-04 Elements by ICPMS Low Level (dissolved): RDL raised due to sample matrix interference.

LOW LEVEL TOTAL METALS IN WATER (SURFACE) Comments

Sample CQ4419-03 Elements by ICPMS Low Level (total): RDL raised due to sample matrix interference.

Sample CQ4420-03 Elements by ICPMS Low Level (total): RDL raised due to sample matrix interference.

Results relate only to the items tested.

DENISON ENVIRONMENTAL SERVICES
 Attention: KEVIN RAMSAY
 Client Project #: FEBRUARY 2,2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report
 Maxxam Job Number: VB209332

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
5568171 MM3	Matrix Spike	Alkalinity (Total as CaCO3)	2012/02/04		NC	%	80 - 120
	Spiked Blank	Alkalinity (Total as CaCO3)	2012/02/04		91	%	80 - 120
	Method Blank	Alkalinity (Total as CaCO3)	2012/02/04	<0.50		mg/L	
		Alkalinity (PP as CaCO3)	2012/02/04	<0.50		mg/L	
		Bicarbonate (HCO3)	2012/02/04	<0.50		mg/L	
		Carbonate (CO3)	2012/02/04	<0.50		mg/L	
		Hydroxide (OH)	2012/02/04	<0.50		mg/L	
	RPD	Alkalinity (Total as CaCO3)	2012/02/08	11.5		%	20
		Alkalinity (PP as CaCO3)	2012/02/08	NC		%	20
		Bicarbonate (HCO3)	2012/02/08	11.5		%	20
		Carbonate (CO3)	2012/02/08	NC		%	20
		Hydroxide (OH)	2012/02/08	NC		%	20
5568172 MM3	Spiked Blank	Conductivity	2012/02/04		102	%	80 - 120
	Method Blank	Conductivity	2012/02/04	<1.0		uS/cm	
	RPD	Conductivity	2012/02/05	0		%	20
5568196 WAY	Spiked Blank	Acidity (pH 8.3)	2012/02/04		93	%	80 - 120
	Method Blank	Acidity (pH 4.5)	2012/02/04	<0.5		mg/L	
		Acidity (pH 8.3)	2012/02/04	<0.5		mg/L	
	RPD	Acidity (pH 4.5)	2012/02/04	NC		%	20
		Acidity (pH 8.3)	2012/02/04	NC		%	20
5568232 CB9	Matrix Spike [CQ4421-02]	Nitrate plus Nitrite (N)	2012/02/04		NC	%	80 - 120
	Spiked Blank	Nitrate plus Nitrite (N)	2012/02/04		104	%	80 - 120
	Method Blank	Nitrate plus Nitrite (N)	2012/02/04	<0.020		mg/L	
	RPD [CQ4419-02]	Nitrate plus Nitrite (N)	2012/02/04	NC		%	25
5568233 CB9	Matrix Spike [CQ4421-02]	Nitrite (N)	2012/02/04		52 (1)	%	80 - 120
	Spiked Blank	Nitrite (N)	2012/02/04		100	%	80 - 120
	Method Blank	Nitrite (N)	2012/02/04	<0.005		mg/L	
	RPD [CQ4419-02]	Nitrite (N)	2012/02/04	NC		%	20
5570754 AA1	Matrix Spike	Total Aluminum (Al)	2012/02/07		101	%	80 - 120
		Total Antimony (Sb)	2012/02/07		112	%	80 - 120
		Total Arsenic (As)	2012/02/07		103	%	80 - 120
		Total Barium (Ba)	2012/02/07		100	%	80 - 120
		Total Beryllium (Be)	2012/02/07		111	%	80 - 120
		Total Bismuth (Bi)	2012/02/07		100	%	80 - 120
		Total Cadmium (Cd)	2012/02/07		105	%	80 - 120
		Total Chromium (Cr)	2012/02/07		95	%	80 - 120
		Total Cobalt (Co)	2012/02/07		95	%	80 - 120
		Total Copper (Cu)	2012/02/07		97	%	80 - 120
		Total Iron (Fe)	2012/02/07		100	%	80 - 120
		Total Lead (Pb)	2012/02/07		99	%	80 - 120
		Total Lithium (Li)	2012/02/07		102	%	80 - 120
		Total Manganese (Mn)	2012/02/07		99	%	80 - 120
		Total Molybdenum (Mo)	2012/02/07		100	%	80 - 120
		Total Nickel (Ni)	2012/02/07		97	%	80 - 120
		Total Selenium (Se)	2012/02/07		111	%	80 - 120
		Total Silver (Ag)	2012/02/07		109	%	80 - 120
		Total Strontium (Sr)	2012/02/07		100	%	80 - 120
		Total Thallium (Tl)	2012/02/07		96	%	80 - 120
		Total Tin (Sn)	2012/02/07		101	%	80 - 120
		Total Titanium (Ti)	2012/02/07		103	%	80 - 120
		Total Uranium (U)	2012/02/07		95	%	80 - 120
		Total Vanadium (V)	2012/02/07		96	%	80 - 120
		Total Zinc (Zn)	2012/02/07		109	%	80 - 120

DENISON ENVIRONMENTAL SERVICES
 Attention: KEVIN RAMSAY
 Client Project #: FEBRUARY 2,2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report (Continued)

Maxxam Job Number: VB209332

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
5570754 AA1	Spiked Blank	Total Aluminum (Al)	2012/02/07		104	%	80 - 120
		Total Antimony (Sb)	2012/02/07		108	%	80 - 120
		Total Arsenic (As)	2012/02/07		100	%	80 - 120
		Total Barium (Ba)	2012/02/07		103	%	80 - 120
		Total Beryllium (Be)	2012/02/07		102	%	80 - 120
		Total Bismuth (Bi)	2012/02/07		99	%	80 - 120
		Total Cadmium (Cd)	2012/02/07		103	%	80 - 120
		Total Chromium (Cr)	2012/02/07		98	%	80 - 120
		Total Cobalt (Co)	2012/02/07		98	%	80 - 120
		Total Copper (Cu)	2012/02/07		98	%	80 - 120
		Total Iron (Fe)	2012/02/07		104	%	80 - 120
		Total Lead (Pb)	2012/02/07		102	%	80 - 120
		Total Lithium (Li)	2012/02/07		102	%	80 - 120
		Total Manganese (Mn)	2012/02/07		100	%	80 - 120
		Total Molybdenum (Mo)	2012/02/07		103	%	80 - 120
		Total Nickel (Ni)	2012/02/07		98	%	80 - 120
		Total Selenium (Se)	2012/02/07		104	%	80 - 120
		Total Silver (Ag)	2012/02/07		112	%	80 - 120
		Total Strontium (Sr)	2012/02/07		101	%	80 - 120
		Total Thallium (Tl)	2012/02/07		100	%	80 - 120
		Total Tin (Sn)	2012/02/07		104	%	80 - 120
		Total Titanium (Ti)	2012/02/07		104	%	80 - 120
		Total Uranium (U)	2012/02/07		97	%	80 - 120
		Total Vanadium (V)	2012/02/07		96	%	80 - 120
		Total Zinc (Zn)	2012/02/07		100	%	80 - 120
	Method Blank	Total Aluminum (Al)	2012/02/07	<0.2		ug/L	
		Total Antimony (Sb)	2012/02/07	<0.02		ug/L	
		Total Arsenic (As)	2012/02/07	<0.02		ug/L	
		Total Barium (Ba)	2012/02/07	<0.02		ug/L	
		Total Beryllium (Be)	2012/02/07	<0.01		ug/L	
		Total Bismuth (Bi)	2012/02/07	<0.005		ug/L	
		Total Boron (B)	2012/02/07	<50		ug/L	
		Total Cadmium (Cd)	2012/02/07	<0.005		ug/L	
		Total Chromium (Cr)	2012/02/07	<0.1		ug/L	
		Total Cobalt (Co)	2012/02/07	<0.005		ug/L	
		Total Copper (Cu)	2012/02/07	<0.05		ug/L	
		Total Iron (Fe)	2012/02/07	<1		ug/L	
		Total Lead (Pb)	2012/02/07	<0.005		ug/L	
		Total Lithium (Li)	2012/02/07	<0.5		ug/L	
		Total Manganese (Mn)	2012/02/07	<0.05		ug/L	
		Total Molybdenum (Mo)	2012/02/07	<0.05		ug/L	
		Total Nickel (Ni)	2012/02/07	<0.02		ug/L	
		Total Selenium (Se)	2012/02/07	<0.04		ug/L	
		Total Silicon (Si)	2012/02/07	<100		ug/L	
		Total Silver (Ag)	2012/02/07	<0.005		ug/L	
		Total Strontium (Sr)	2012/02/07	<0.05		ug/L	
		Total Thallium (Tl)	2012/02/07	<0.002		ug/L	
		Total Tin (Sn)	2012/02/07	<0.2		ug/L	
		Total Titanium (Ti)	2012/02/07	<0.5		ug/L	
		Total Uranium (U)	2012/02/07	<0.002		ug/L	
		Total Vanadium (V)	2012/02/07	<0.2		ug/L	
		Total Zinc (Zn)	2012/02/07	<0.1		ug/L	
		Total Zirconium (Zr)	2012/02/07	<0.1		ug/L	
	RPD	Total Aluminum (Al)	2012/02/07	NC		%	20
		Total Antimony (Sb)	2012/02/07	NC		%	20

DENISON ENVIRONMENTAL SERVICES
 Attention: KEVIN RAMSAY
 Client Project #: FEBRUARY 2,2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report (Continued)

Maxxam Job Number: VB209332

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
5570754 AA1	RPD	Total Arsenic (As)	2012/02/07	NC		%	20
		Total Barium (Ba)	2012/02/07	NC		%	20
		Total Beryllium (Be)	2012/02/07	NC		%	20
		Total Bismuth (Bi)	2012/02/07	NC		%	20
		Total Boron (B)	2012/02/07	NC		%	20
		Total Cadmium (Cd)	2012/02/07	NC		%	20
		Total Chromium (Cr)	2012/02/07	NC		%	20
		Total Cobalt (Co)	2012/02/07	NC		%	20
		Total Copper (Cu)	2012/02/07	NC		%	20
		Total Iron (Fe)	2012/02/07	NC		%	20
		Total Lead (Pb)	2012/02/07	NC		%	20
		Total Lithium (Li)	2012/02/07	NC		%	20
		Total Manganese (Mn)	2012/02/07	NC		%	20
		Total Molybdenum (Mo)	2012/02/07	NC		%	20
		Total Nickel (Ni)	2012/02/07	NC		%	20
		Total Selenium (Se)	2012/02/07	NC		%	20
		Total Silicon (Si)	2012/02/07	NC		%	20
		Total Silver (Ag)	2012/02/07	NC		%	20
		Total Strontium (Sr)	2012/02/07	NC		%	20
		Total Thallium (Tl)	2012/02/07	NC		%	20
		Total Tin (Sn)	2012/02/07	NC		%	20
		Total Titanium (Ti)	2012/02/07	NC		%	20
		Total Uranium (U)	2012/02/07	NC		%	20
		Total Vanadium (V)	2012/02/07	NC		%	20
		Total Zinc (Zn)	2012/02/07	NC		%	20
		Total Zirconium (Zr)	2012/02/07	NC		%	20
5571483 AA1	Matrix Spike	Dissolved Aluminum (Al)	2012/02/08		109	%	80 - 120
		Dissolved Antimony (Sb)	2012/02/08		111	%	80 - 120
		Dissolved Arsenic (As)	2012/02/08		NC	%	80 - 120
		Dissolved Barium (Ba)	2012/02/08		NC	%	80 - 120
		Dissolved Beryllium (Be)	2012/02/08		105	%	80 - 120
		Dissolved Bismuth (Bi)	2012/02/08		100	%	80 - 120
		Dissolved Cadmium (Cd)	2012/02/08		108	%	80 - 120
		Dissolved Chromium (Cr)	2012/02/08		NC	%	80 - 120
		Dissolved Cobalt (Co)	2012/02/08		98	%	80 - 120
		Dissolved Copper (Cu)	2012/02/08		NC	%	80 - 120
		Dissolved Iron (Fe)	2012/02/08		106	%	80 - 120
		Dissolved Lead (Pb)	2012/02/08		101	%	80 - 120
		Dissolved Lithium (Li)	2012/02/08		103	%	80 - 120
		Dissolved Manganese (Mn)	2012/02/08		NC	%	80 - 120
		Dissolved Mercury (Hg)	2012/02/08		110	%	80 - 120
		Dissolved Molybdenum (Mo)	2012/02/08		NC	%	80 - 120
		Dissolved Nickel (Ni)	2012/02/08		98	%	80 - 120
		Dissolved Selenium (Se)	2012/02/08		115	%	80 - 120
		Dissolved Silver (Ag)	2012/02/08		113	%	80 - 120
		Dissolved Strontium (Sr)	2012/02/08		NC	%	80 - 120
		Dissolved Thallium (Tl)	2012/02/08		103	%	80 - 120
		Dissolved Tin (Sn)	2012/02/08		NC	%	80 - 120
		Dissolved Titanium (Ti)	2012/02/08		102	%	80 - 120
		Dissolved Uranium (U)	2012/02/08		99	%	80 - 120
		Dissolved Vanadium (V)	2012/02/08		99	%	80 - 120
		Dissolved Zinc (Zn)	2012/02/08		100	%	80 - 120
	Spiked Blank	Dissolved Aluminum (Al)	2012/02/08		108	%	80 - 120
		Dissolved Antimony (Sb)	2012/02/08		111	%	80 - 120
		Dissolved Arsenic (As)	2012/02/08		99	%	80 - 120

DENISON ENVIRONMENTAL SERVICES
 Attention: KEVIN RAMSAY
 Client Project #: FEBRUARY 2,2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report (Continued)

Maxxam Job Number: VB209332

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits	
5571483 AA1	Spiked Blank	Dissolved Barium (Ba)	2012/02/08		101	%	80 - 120	
		Dissolved Beryllium (Be)	2012/02/08		99	%	80 - 120	
		Dissolved Bismuth (Bi)	2012/02/08		96	%	80 - 120	
		Dissolved Cadmium (Cd)	2012/02/08		102	%	80 - 120	
		Dissolved Chromium (Cr)	2012/02/08		99	%	80 - 120	
		Dissolved Cobalt (Co)	2012/02/08		101	%	80 - 120	
		Dissolved Copper (Cu)	2012/02/08		100	%	80 - 120	
		Dissolved Iron (Fe)	2012/02/08		107	%	80 - 120	
		Dissolved Lead (Pb)	2012/02/08		100	%	80 - 120	
		Dissolved Lithium (Li)	2012/02/08		100	%	80 - 120	
		Dissolved Manganese (Mn)	2012/02/08		99	%	80 - 120	
		Dissolved Mercury (Hg)	2012/02/08		100	%	80 - 120	
		Dissolved Molybdenum (Mo)	2012/02/08		107	%	80 - 120	
		Dissolved Nickel (Ni)	2012/02/08		102	%	80 - 120	
		Dissolved Selenium (Se)	2012/02/08		106	%	80 - 120	
		Dissolved Silver (Ag)	2012/02/08		110	%	80 - 120	
		Dissolved Strontium (Sr)	2012/02/08		102	%	80 - 120	
		Dissolved Thallium (Tl)	2012/02/08		101	%	80 - 120	
		Dissolved Tin (Sn)	2012/02/08		103	%	80 - 120	
		Dissolved Titanium (Ti)	2012/02/08		94	%	80 - 120	
Dissolved Uranium (U)	2012/02/08		98	%	80 - 120			
Dissolved Vanadium (V)	2012/02/08		101	%	80 - 120			
Dissolved Zinc (Zn)	2012/02/08		105	%	80 - 120			
Method Blank	Dissolved Aluminum (Al)	2012/02/08	0.2, RDL=0.2			ug/L		
	Dissolved Antimony (Sb)	2012/02/08	<0.02			ug/L		
	Dissolved Arsenic (As)	2012/02/08	<0.02			ug/L		
	Dissolved Barium (Ba)	2012/02/08	<0.02			ug/L		
	Dissolved Beryllium (Be)	2012/02/08	<0.01			ug/L		
	Dissolved Bismuth (Bi)	2012/02/08	<0.005			ug/L		
	Dissolved Boron (B)	2012/02/08	<50			ug/L		
	Dissolved Cadmium (Cd)	2012/02/08	<0.005			ug/L		
	Dissolved Chromium (Cr)	2012/02/08	<0.1			ug/L		
	Dissolved Cobalt (Co)	2012/02/08	<0.005			ug/L		
	Dissolved Copper (Cu)	2012/02/08	<0.05			ug/L		
	Dissolved Iron (Fe)	2012/02/08	<1			ug/L		
	Dissolved Lead (Pb)	2012/02/08	<0.005			ug/L		
	Dissolved Lithium (Li)	2012/02/08	<0.5			ug/L		
	Dissolved Manganese (Mn)	2012/02/08	<0.05			ug/L		
	Dissolved Mercury (Hg)	2012/02/08	<0.01			ug/L		
	Dissolved Molybdenum (Mo)	2012/02/08	<0.05			ug/L		
	Dissolved Nickel (Ni)	2012/02/08	<0.02			ug/L		
	Dissolved Selenium (Se)	2012/02/08	<0.04			ug/L		
	Dissolved Silicon (Si)	2012/02/08	<100			ug/L		
	Dissolved Silver (Ag)	2012/02/08	<0.005			ug/L		
	Dissolved Strontium (Sr)	2012/02/08	<0.05			ug/L		
	Dissolved Thallium (Tl)	2012/02/08	<0.002			ug/L		
	Dissolved Tin (Sn)	2012/02/08	<0.2			ug/L		
	Dissolved Titanium (Ti)	2012/02/08	<0.5			ug/L		
	Dissolved Uranium (U)	2012/02/08	<0.002			ug/L		
	Dissolved Vanadium (V)	2012/02/08	<0.2			ug/L		
	Dissolved Zinc (Zn)	2012/02/08	<0.1			ug/L		
	Dissolved Zirconium (Zr)	2012/02/08	<0.1			ug/L		
	RPD	Dissolved Aluminum (Al)	2012/02/08	2.2			%	20
		Dissolved Antimony (Sb)	2012/02/08	NC			%	20
		Dissolved Arsenic (As)	2012/02/08	0.9			%	20

DENISON ENVIRONMENTAL SERVICES
 Attention: KEVIN RAMSAY
 Client Project #: FEBRUARY 2,2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report (Continued)

Maxxam Job Number: VB209332

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
5571483 AA1	RPD	Dissolved Barium (Ba)	2012/02/08	2.4		%	20
		Dissolved Beryllium (Be)	2012/02/08	NC		%	20
		Dissolved Bismuth (Bi)	2012/02/08	NC		%	20
		Dissolved Boron (B)	2012/02/08	NC		%	20
		Dissolved Cadmium (Cd)	2012/02/08	NC		%	20
		Dissolved Chromium (Cr)	2012/02/08	1.5		%	20
		Dissolved Cobalt (Co)	2012/02/08	1.7		%	20
		Dissolved Copper (Cu)	2012/02/08	0.4		%	20
		Dissolved Iron (Fe)	2012/02/08	NC		%	20
		Dissolved Lead (Pb)	2012/02/08	NC		%	20
		Dissolved Lithium (Li)	2012/02/08	NC		%	20
		Dissolved Manganese (Mn)	2012/02/08	0.8		%	20
		Dissolved Molybdenum (Mo)	2012/02/08	2.1		%	20
		Dissolved Nickel (Ni)	2012/02/08	12.4		%	20
		Dissolved Selenium (Se)	2012/02/08	NC		%	20
		Dissolved Silicon (Si)	2012/02/08	1.6		%	20
		Dissolved Silver (Ag)	2012/02/08	NC		%	20
		Dissolved Strontium (Sr)	2012/02/08	0.3		%	20
		Dissolved Thallium (Tl)	2012/02/08	4.9		%	20
		Dissolved Tin (Sn)	2012/02/08	2.8		%	20
		Dissolved Titanium (Ti)	2012/02/08	NC		%	20
		Dissolved Uranium (U)	2012/02/08	1.8		%	20
		Dissolved Vanadium (V)	2012/02/08	NC		%	20
		Dissolved Zinc (Zn)	2012/02/08	2.1		%	20
		Dissolved Zirconium (Zr)	2012/02/08	NC		%	20
5571498 BB3	Matrix Spike	Dissolved Chloride (Cl)	2012/02/06		107	%	80 - 120
	Spiked Blank	Dissolved Chloride (Cl)	2012/02/06		104	%	80 - 120
	Method Blank	Dissolved Chloride (Cl)	2012/02/06	<0.5		mg/L	
	RPD	Dissolved Chloride (Cl)	2012/02/06	0.3		%	20
5571503 BB3	Matrix Spike	Dissolved Sulphate (SO4)	2012/02/06		NC	%	80 - 120
	Spiked Blank	Dissolved Sulphate (SO4)	2012/02/06		96	%	80 - 120
	Method Blank	Dissolved Sulphate (SO4)	2012/02/06	<0.50		mg/L	
	RPD	Dissolved Sulphate (SO4)	2012/02/06	NC		%	20
5571504 NS6	Method Blank	True Colour	2012/02/06	<5		Col. Unit	
	RPD [CQ4422-02]	True Colour	2012/02/06	NC (2)		%	20
5575528 TL2	Matrix Spike	Dissolved Organic Carbon (C)	2012/02/07		NC	%	80 - 120
	Spiked Blank	Dissolved Organic Carbon (C)	2012/02/07		105	%	80 - 120
	Method Blank	Dissolved Organic Carbon (C)	2012/02/07	<0.50		mg/L	
	RPD [CQ4421-06]	Dissolved Organic Carbon (C)	2012/02/07	NC		%	20
5575530 TL2	Matrix Spike	Total Organic Carbon (C)	2012/02/07		107	%	80 - 120
	Spiked Blank	Total Organic Carbon (C)	2012/02/07		117	%	80 - 120
	Method Blank	Total Organic Carbon (C)	2012/02/07	<0.50		mg/L	
	RPD [CQ4421-05]	Total Organic Carbon (C)	2012/02/07	NC		%	20
5576104 BB3	Spiked Blank	Dissolved Sulphate (SO4)	2012/02/07		99	%	80 - 120
	Method Blank	Dissolved Sulphate (SO4)	2012/02/07	0.60, RDL=0.50		mg/L	
	RPD	Dissolved Sulphate (SO4)	2012/02/07	5.5		%	20
5577836 TM8	Matrix Spike	Total Dissolved Solids	2012/02/08		NC	%	80 - 120
	Spiked Blank	Total Dissolved Solids	2012/02/08		94	%	80 - 120
	Method Blank	Total Dissolved Solids	2012/02/08	<10		mg/L	
	RPD	Total Dissolved Solids	2012/02/08	NC		%	20
5578612 SF1	Matrix Spike						
	[CQ4421-05]	Ammonia (N)	2012/02/08		NC	%	80 - 120
	Spiked Blank	Ammonia (N)	2012/02/08		99	%	80 - 120
	Method Blank	Ammonia (N)	2012/02/08	<0.0050		mg/L	
	RPD [CQ4421-05]	Ammonia (N)	2012/02/08	2.6		%	20

DENISON ENVIRONMENTAL SERVICES
 Attention: KEVIN RAMSAY
 Client Project #: FEBRUARY 2,2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report (Continued)

Maxxam Job Number: VB209332

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
5579218 TM8	Spiked Blank	Total Suspended Solids	2012/02/09		98	%	80 - 120
	Method Blank	Total Suspended Solids	2012/02/09	<1.0		mg/L	
5584718 AA1	Spiked Blank	Dissolved Copper (Cu)	2012/02/10		92	%	80 - 120
	Method Blank	Dissolved Copper (Cu)	2012/02/10	<0.05		ug/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.
 (1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.
 (2) Analysis requested past recommended holding time

Validation Signature Page

Maxxam Job #: B209332

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



ROB REINERT, Data Validation Coordinator

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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.

Maxxam Job #: B209332

COC #: 
08344787

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 2, 2012
 Location: Faro Mine Complex
 Sampled by: T. Parkin/B. Bekk/C. Fulton

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

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

				ANALYSIS REQUESTED																							
Sample Identification	Lab Use Only 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	Acidity	Alkalinity	Chloride	pH	Conductance (EC)	Sulphate	Total Dissolved Solids (TDS)	Total Suspended Solids (TSS)	Ammonia	Nitrate	Hardness	LDL - Total Phosphorus	Celour	Total Organic Carbon (TOC)	Total Mercury	Cyanide	Number of Containers	
1	CG4419	Surface W	12/02/02 11:10	X	X						X	X	X	X	X	X	X	X	X								5
2	CG4420	Surface W	12/02/02 10:48	X	X						X	X	X	X	X	X	X	X	X								5
3	CG4421	Surface W	12/02/02 12:52	X	X			X			X	X	X	X	X	X	X	X	X	X			X				6
4	CG4422	Seepage	12/02/02 13:37	X					X	X	X	X	X	X	X		X	X					X		X	5	
5	CG4423	Seepage	12/02/02 13:47	X					X	X	X	X	X	X	X		X	X				X		X		5	
6																											
7																											
8																											
9																											
10																											
11																											
12																											



B209332

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	12/02/02	18:00	At Delivery	12/02/05	13:30	<input checked="" type="checkbox"/>	A) 7	B) 9	C) 2	Present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
						<input type="checkbox"/>	Just sampled & rec'd on ice			Intact?		<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.