



**ALS Chemex**  
EXCELLENCE IN ANALYTICAL CHEMISTRY  
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To: EQUITY ENGINEERING LTD.  
700-700 W PENDER ST  
VANCOUVER BC V6C 1G8

Page # : 1  
Date : 26-Nov-2003  
Account: EIA

**CERTIFICATE VA03037314**

Project : RFM03-15

P.O. No:

This report is for 20 SOIL samples submitted to our lab in Vancouver, BC, Canada on 23-Sep-2003.

The following have access to data associated with this certificate:

HENRY AWMACK

SCOTT HEFFERNAN

MURRAY JONES

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-42	Screen to -180 um, discard plu

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
AU-AA23	Au 30g FA-AA finish
ME-ICP41	34 Element Aqua Regia ICP-AES
	INSTRUMENT
	AAS
	ICP-AES

To: EQUITY ENGINEERING LTD.  
ATTN: SCOTT HEFFERNAN  
700-700 W PENDER ST  
VANCOUVER BC V6C 1G8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

**Signature:**

Project : RFM03-15

CERTIFICATE OF ANALYSIS VA03037314

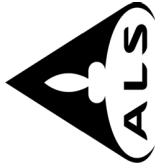
Method Analyte Units LOR	WEL-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
L1000N 9400E	0.34	0.005	0.5	0.96	43	<10	120	<0.5	42	0.10	0.5	11	14	29	2.18
L1000N 9450E	0.24	<0.005	0.2	0.62	17	<10	60	<0.5	8	0.04	<0.5	3	7	10	1.27
L1000N 9500E	0.32	<0.005	1.6	0.93	63	<10	560	<0.5	21	0.10	0.6	9	12	31	1.89
L1000N 9550E	0.40	0.007	1.5	0.85	60	<10	410	<0.5	14	0.09	0.7	7	12	30	1.79
L1000N 9600E	0.42	0.015	0.3	0.96	85	<10	130	<0.5	2	0.08	<0.5	8	19	25	2.33
L1000N 9650E	0.34	<0.005	0.9	1.12	117	<10	180	<0.5	2	0.07	0.8	7	22	22	2.49
L1000N 9700E	0.32	0.008	0.3	0.91	127	<10	80	<0.5	2	0.04	0.5	3	14	19	1.78
L1000N 9750E	0.40	<0.005	0.8	0.85	86	<10	140	<0.5	5	0.04	<0.5	3	9	34	2.12
L1000N 9800E	0.38	<0.005	0.9	0.86	52	<10	60	<0.5	4	0.02	<0.5	2	10	12	1.62
L1000N 9850E	0.32	<0.005	0.6	0.89	19	<10	40	<0.5	3	0.02	<0.5	1	5	4	0.81
L1000N 9900E	0.42	<0.005	0.8	1.04	17	<10	110	<0.5	5	0.04	<0.5	5	10	27	1.76
L1000N 9950E	0.30	<0.005	0.5	0.68	8	<10	70	<0.5	3	0.02	<0.5	1	4	8	0.80
L10200N 9300E	0.34	0.020	5.1	2.21	108	<10	280	0.5	66	0.08	1.0	12	19	60	3.96
L10200N 9350E	0.38	0.005	1.3	0.75	23	<10	110	<0.5	21	0.07	0.6	5	7	21	1.22
L10200N 9400E	0.38	<0.005	0.9	0.99	34	<10	140	<0.5	46	0.07	0.6	7	12	25	1.93
L10200N 9450E	0.32	<0.005	0.7	0.89	26	<10	120	<0.5	24	0.10	0.5	7	12	19	1.57
L10400N 9300E	0.22	<0.005	0.7	1.12	12	<10	150	<0.5	9	0.06	<0.5	3	8	13	1.67
L10400N 9350E	0.34	0.005	0.5	0.79	13	<10	240	<0.5	14	0.06	0.5	3	7	10	1.19
L10400N 9400E	0.36	0.005	0.3	0.99	20	<10	240	<0.5	12	0.07	0.5	4	10	16	2.05
L10400N 9450E	0.36	0.009	0.3	1.01	20	<10	120	<0.5	14	0.10	0.5	7	14	18	2.05



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**CERTIFICATE OF ANALYSIS**      **VA03037314**

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
L1000N 9400E		<10	<1	0.11	30	0.23	190	1	0.01	13	520	43	0.03	<2	1	22
L1000N 9450E		<10	<1	0.05	10	0.09	77	<1	0.01	5	350	22	0.03	<2	<1	7
L1000N 9500E		<10	<1	0.09	30	0.20	266	1	0.01	11	700	271	0.04	<2	1	16
L1000N 9550E		<10	<1	0.11	20	0.18	204	1	0.01	10	610	88	0.04	<2	1	14
L1000N 9600E		<10	<1	0.13	30	0.27	210	1	0.01	15	460	58	0.08	<2	2	22
L1000N 9650E		<10	<1	0.15	30	0.31	227	1	0.01	15	470	126	0.07	<2	2	20
L1000N 9700E		<10	<1	0.07	20	0.14	114	2	<0.01	10	230	50	0.02	<2	1	6
L1000N 9750E		<10	<1	0.13	30	0.12	204	2	0.01	7	400	336	0.13	<2	1	10
L1000N 9800E		<10	<1	0.07	10	0.09	76	1	<0.01	8	240	54	0.02	<2	1	5
L1000N 9850E		<10	<1	0.03	10	0.06	43	<1	<0.01	4	210	24	0.01	<2	1	3
L1000N 9900E		<10	<1	0.10	20	0.20	380	1	<0.01	9	240	144	0.02	<2	2	6
L1000N 9950E		<10	<1	0.07	10	0.05	51	1	<0.01	2	330	22	0.02	<2	<1	5
L10200N 9300E		10	<1	0.18	70	0.26	1015	3	0.01	21	1080	217	0.07	<2	2	15
L10200N 9350E		<10	<1	0.11	30	0.12	366	<1	<0.01	8	400	114	0.02	<2	1	7
L10200N 9400E		<10	<1	0.09	30	0.19	313	1	<0.01	11	480	80	0.03	<2	1	9
L10200N 9450E		<10	<1	0.12	30	0.19	347	1	<0.01	11	460	57	0.01	<2	1	9
L10400N 9300E		<10	<1	0.14	10	0.19	234	<1	0.01	5	750	28	0.06	<2	<1	9
L10400N 9350E		<10	<1	0.11	10	0.10	120	<1	0.01	5	610	33	0.05	<2	<1	8
L10400N 9400E		<10	<1	0.19	20	0.17	267	<1	<0.01	7	520	43	0.04	<2	<1	11
L10400N 9450E		<10	<1	0.14	20	0.26	313	<1	<0.01	11	410	39	0.02	<2	1	11



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**CERTIFICATE OF ANALYSIS**      **VA03037314**

Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
Sample Description	0.01	10	10	1	10	2
L1000N 9400E	0.03	<10	<10	21	<10	98
L1000N 9450E	0.02	<10	<10	25	<10	47
L1000N 9500E	0.02	<10	<10	21	<10	248
L1000N 9550E	0.02	<10	<10	18	<10	190
L1000N 9600E	0.04	<10	<10	20	<10	81
L1000N 9650E	0.04	<10	<10	23	<10	234
L1000N 9700E	0.02	<10	<10	22	<10	126
L1000N 9750E	0.02	<10	<10	19	<10	132
L1000N 9800E	0.02	<10	<10	21	<10	90
L1000N 9850E	0.01	<10	<10	14	<10	40
L1000N 9900E	0.02	<10	<10	17	<10	134
L1000N 9950E	0.01	<10	<10	14	<10	29
L10200N 9300E	0.02	<10	<10	30	<10	256
L10200N 9350E	0.01	<10	<10	11	<10	273
L10200N 9400E	0.02	<10	<10	19	<10	130
L10200N 9450E	0.03	<10	<10	17	<10	121
L10400N 9300E	0.02	<10	<10	20	<10	57
L10400N 9350E	0.01	<10	<10	15	<10	44
L10400N 9400E	0.03	<10	<10	25	<10	74
L10400N 9450E	0.04	<10	<10	20	<10	81