



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Kaminak Gold Corporation

1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Submitted By: Tim Smith

Receiving Lab: Canada-Whitehorse

Received: August 17, 2012

Report Date: August 25, 2012

Page: 1 of 7

## CERTIFICATE OF ANALYSIS

WHI12000689.1

### CLIENT JOB INFORMATION

Project: SUG  
Shipment ID: 2012-SUG04  
P.O. Number: KGC-12-1730  
Number of Samples: 163

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Kaminak Gold Corporation  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	163	Dry at 60C			WHI
SS80	159	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	162	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Kaminak Gold Corporation**  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Project: **SUG**  
Report Date: **August 25, 2012**

Page: **2 of 7**

Part: **1 of 2**

## CERTIFICATE OF ANALYSIS

WHI12000689.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1297192	Soil				0.7	17.6	10.5	55	<0.1	26.6	12.3	490	3.29	5.2	1.6	12.7	13.9	19	<0.1	0.3	0.2	67	0.29	0.065
1297078	Soil				1.4	18.1	9.6	43	<0.1	18.2	8.6	477	2.72	8.1	0.7	7.7	4.3	18	0.2	0.5	0.2	69	0.22	0.035
1294106	Soil				0.5	44.3	6.7	53	0.1	34.6	18.4	570	3.72	3.9	0.9	7.7	3.0	31	0.1	0.3	<0.1	81	0.83	0.088
1297195	Soil				0.5	14.0	5.8	38	<0.1	15.4	6.1	254	1.83	3.8	1.0	3.2	12.0	14	<0.1	0.4	<0.1	42	0.18	0.019
1297079	Soil				1.5	17.1	8.4	45	<0.1	23.3	9.5	354	2.52	6.6	1.2	31.5	12.6	16	<0.1	0.5	0.1	58	0.25	0.041
1297077	Soil				1.6	16.5	9.7	48	<0.1	21.4	9.1	276	3.16	9.8	0.6	0.8	4.6	12	0.1	0.6	0.2	79	0.14	0.035
1294111	Soil				0.7	23.0	7.9	54	<0.1	58.5	19.3	498	3.53	4.3	1.1	8.1	5.9	41	<0.1	0.3	<0.1	68	1.09	0.060
1294103	Soil				1.0	17.2	8.3	47	<0.1	21.4	11.3	436	2.53	6.9	1.2	4.0	8.2	21	0.1	0.5	0.1	59	0.34	0.032
1297082	Soil				1.5	21.8	9.6	50	0.2	23.0	9.3	593	2.84	8.3	1.4	4.4	9.6	28	<0.1	0.6	0.2	71	0.39	0.035
1297084	Soil				0.6	17.8	6.0	49	<0.1	17.6	12.3	362	2.67	4.1	1.4	3.0	8.0	23	<0.1	0.6	0.2	63	0.54	0.071
1297085	Soil				0.4	19.9	8.6	61	<0.1	24.6	12.3	564	2.95	4.5	1.3	4.0	5.4	32	<0.1	0.5	0.1	63	0.86	0.078
1294116	Soil				0.5	31.3	20.5	77	0.2	37.4	14.5	624	2.73	7.3	1.4	35.0	3.6	68	0.3	1.1	0.1	40	2.09	0.064
1297083	Soil				1.5	29.0	9.2	55	<0.1	31.6	12.8	651	3.36	8.7	2.1	3.9	14.2	34	0.2	0.5	0.2	77	0.49	0.049
1297080	Soil				1.0	17.3	7.8	42	<0.1	21.7	8.6	302	2.33	6.6	1.1	5.1	11.7	16	<0.1	0.5	0.1	55	0.22	0.030
1297081	Soil				1.5	18.0	9.3	50	<0.1	27.0	10.7	537	2.98	9.2	1.1	6.5	9.2	28	<0.1	0.5	0.2	73	0.33	0.034
1294104	Soil				1.0	20.2	8.3	54	<0.1	27.5	12.1	422	2.92	5.0	1.3	8.3	6.5	23	<0.1	0.5	0.1	61	0.43	0.055
1297086	Soil				0.7	37.8	6.1	42	<0.1	33.4	16.3	313	3.15	5.4	0.6	9.0	2.2	20	<0.1	0.5	<0.1	78	0.43	0.045
1297068	Soil				0.4	17.2	10.0	50	0.1	24.1	9.5	175	2.18	3.4	3.3	11.2	7.1	22	0.1	0.3	0.2	55	0.37	0.057
1297074	Soil				1.6	15.2	7.8	44	<0.1	18.2	8.1	269	2.94	7.9	0.8	4.5	6.4	16	0.1	0.6	0.1	75	0.22	0.030
1297070	Soil				1.2	25.0	14.4	74	0.2	36.5	16.8	989	4.27	7.6	3.6	2.6	12.5	25	0.1	0.4	0.3	89	0.41	0.074
1297094	Soil				0.6	9.5	6.2	40	0.1	12.2	4.5	119	1.52	7.6	1.0	4.8	1.4	15	0.1	0.2	<0.1	30	0.23	0.043
1297095	Soil				0.4	8.3	5.4	49	<0.1	15.4	7.0	162	1.79	8.2	0.8	7.1	2.5	17	<0.1	0.3	<0.1	40	0.28	0.042
1297073	Soil				1.8	17.4	10.8	59	<0.1	21.9	10.8	469	3.23	10.0	0.7	2.2	5.2	13	0.2	0.7	0.2	77	0.14	0.029
1297076	Soil				0.8	17.4	6.8	49	<0.1	24.1	11.7	442	2.76	7.4	1.0	10.9	11.3	16	<0.1	0.3	0.1	65	0.26	0.052
1297087	Soil				1.0	34.0	6.6	57	<0.1	41.3	20.3	627	3.96	5.7	1.0	7.8	6.6	23	<0.1	0.6	<0.1	88	0.61	0.075
1297091	Soil				0.5	47.9	17.4	75	0.1	124.9	24.4	565	3.78	4.3	0.7	1.6	3.7	72	0.2	0.1	<0.1	45	2.79	0.075
1297067	Soil				0.7	10.3	8.3	50	<0.1	17.0	8.7	240	1.90	3.5	1.1	4.0	4.8	20	0.2	0.4	0.2	48	0.31	0.044
1297072	Soil				1.6	15.6	10.2	46	<0.1	19.1	8.7	240	3.20	10.3	0.7	1.8	6.2	11	0.2	0.6	0.2	73	0.11	0.032
1297088	Soil				0.5	19.8	10.5	51	<0.1	34.7	16.8	788	2.94	8.1	1.2	2.1	5.8	62	0.1	0.8	0.1	59	1.61	0.084
1297092	Soil				0.9	13.9	7.1	56	<0.1	19.1	8.5	274	2.44	11.9	1.3	6.9	3.2	19	0.1	0.6	0.1	62	0.31	0.063



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Kaminak Gold Corporation**  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Project: **SUG**  
Report Date: **August 25, 2012**

Page: **2 of 7**

Part: **2 of 2**

## CERTIFICATE OF ANALYSIS

WHI12000689.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1297192	Soil	35	52	1.02	168	0.120	2	2.07	0.011	0.29	0.2	0.02	6.0	0.3	<0.05	6	<0.5
1297078	Soil	10	30	0.48	157	0.063	2	1.59	0.012	0.06	0.2	0.02	3.3	0.1	<0.05	6	<0.5
1294106	Soil	11	61	1.53	465	0.141	2	2.27	0.012	0.39	0.1	0.04	4.7	0.3	<0.05	7	<0.5
1297195	Soil	37	28	0.46	89	0.074	2	1.11	0.010	0.04	0.1	<0.01	2.8	0.1	<0.05	4	<0.5
1297079	Soil	17	36	0.60	137	0.074	2	1.54	0.009	0.06	0.3	0.03	3.5	0.1	<0.05	5	<0.5
1297077	Soil	11	36	0.55	127	0.067	2	1.95	0.008	0.06	0.2	0.04	3.7	0.1	<0.05	7	<0.5
1294111	Soil	29	129	1.46	266	0.134	2	2.06	0.010	0.28	<0.1	0.03	4.5	0.3	<0.05	7	<0.5
1294103	Soil	16	37	0.70	161	0.078	2	1.67	0.011	0.06	0.2	0.03	3.9	0.2	<0.05	5	<0.5
1297082	Soil	48	36	0.43	264	0.068	<1	1.69	0.011	0.07	0.2	0.03	4.2	<0.1	<0.05	7	<0.5
1297084	Soil	30	28	0.85	249	0.088	<1	1.52	0.008	0.37	0.2	0.01	4.7	0.2	<0.05	5	<0.5
1297085	Soil	20	40	0.99	294	0.101	1	1.68	0.010	0.28	0.1	0.03	4.7	0.2	<0.05	5	<0.5
1294116	Soil	22	61	0.96	152	0.073	3	1.43	0.012	0.18	0.1	0.05	3.4	0.3	0.10	4	<0.5
1297083	Soil	50	51	0.82	317	0.083	2	2.50	0.013	0.12	0.2	0.04	7.1	0.1	<0.05	7	<0.5
1297080	Soil	21	36	0.58	142	0.072	1	1.46	0.010	0.06	0.2	0.02	3.9	<0.1	<0.05	4	<0.5
1297081	Soil	17	43	0.59	265	0.072	1	1.96	0.014	0.07	0.2	0.02	3.8	<0.1	<0.05	6	<0.5
1294104	Soil	20	49	0.90	210	0.094	<1	1.68	0.010	0.13	0.2	0.02	4.8	0.2	<0.05	5	<0.5
1297086	Soil	11	71	1.15	292	0.106	<1	1.71	0.011	0.11	0.1	0.02	4.5	0.1	<0.05	7	<0.5
1297068	Soil	32	48	0.74	161	0.079	1	1.87	0.012	0.09	0.2	0.05	5.6	0.2	<0.05	5	<0.5
1297074	Soil	17	33	0.59	110	0.090	1	1.65	0.009	0.07	0.2	0.02	3.0	0.1	<0.05	6	<0.5
1297070	Soil	53	77	1.15	181	0.100	3	2.69	0.014	0.24	0.2	0.06	9.7	0.4	<0.05	8	<0.5
1297094	Soil	9	24	0.43	95	0.057	1	0.99	0.011	0.05	0.2	0.03	2.3	0.1	0.05	4	<0.5
1297095	Soil	9	26	0.62	95	0.077	<1	1.12	0.014	0.07	0.1	0.01	2.6	<0.1	<0.05	4	<0.5
1297073	Soil	10	38	0.48	160	0.055	<1	2.32	0.009	0.04	0.2	0.04	3.8	0.1	<0.05	7	<0.5
1297076	Soil	15	38	0.75	122	0.101	1	1.82	0.010	0.10	0.3	0.03	3.5	0.1	<0.05	5	<0.5
1297087	Soil	14	76	1.61	342	0.117	<1	2.11	0.014	0.27	0.3	0.02	5.8	0.3	<0.05	7	<0.5
1297091	Soil	25	160	1.83	168	0.121	1	2.04	0.009	0.63	0.1	0.02	3.2	0.5	<0.05	5	<0.5
1297067	Soil	14	32	0.60	125	0.076	1	1.39	0.013	0.05	0.2	0.04	3.1	0.1	<0.05	5	<0.5
1297072	Soil	10	35	0.38	105	0.060	1	2.34	0.008	0.03	0.2	0.05	3.2	0.2	<0.05	7	<0.5
1297088	Soil	31	51	1.18	292	0.090	1	1.72	0.015	0.14	0.2	0.03	4.7	0.2	<0.05	5	<0.5
1297092	Soil	12	32	0.61	139	0.074	1	1.37	0.018	0.07	0.2	0.03	3.5	0.1	<0.05	5	<0.5



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Kaminak Gold Corporation**  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Project: **SUG**  
Report Date: **August 25, 2012**

Page: **3 of 7**

Part: **1 of 2**

## CERTIFICATE OF ANALYSIS

WHI12000689.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1297071	Soil	0.6	15.0	12.5	69	<0.1	24.7	12.5	564	3.03	6.4	0.9	7.2	6.8	14	0.3	0.3	0.2	72	0.20	0.046
1297069	Soil	1.0	17.0	9.5	51	<0.1	21.6	9.3	273	2.57	5.4	3.7	7.8	7.1	24	0.2	0.4	0.3	62	0.41	0.062
1294023	Soil	0.9	24.1	7.8	60	0.1	19.2	13.2	396	3.18	85.5	2.7	37.7	9.2	21	0.1	1.5	0.2	77	0.24	0.040
1297100	Soil	0.7	13.4	7.7	68	0.1	14.3	10.8	491	2.55	7.4	1.4	8.1	5.7	26	0.2	0.5	0.1	61	0.38	0.070
1297096	Soil	0.5	14.4	8.0	58	0.1	16.9	9.7	203	2.61	15.5	1.2	5.2	4.9	24	0.1	0.9	0.1	63	0.30	0.063
1297093	Soil	0.6	8.7	5.9	40	<0.1	12.2	4.6	124	1.56	6.8	0.9	3.7	1.6	16	<0.1	0.2	0.1	35	0.22	0.044
1294022	Soil	1.0	14.6	7.2	55	0.1	14.3	10.8	329	2.61	25.1	1.1	3.6	3.1	23	0.1	3.1	0.1	79	0.35	0.068
1294002	Soil	0.8	17.6	7.6	67	0.1	11.2	13.1	529	3.08	14.5	1.6	2.0	7.9	27	0.2	0.8	<0.1	93	0.46	0.088
1297097	Soil	1.0	14.7	8.1	65	0.1	15.9	18.2	862	2.78	11.4	1.0	2.0	3.4	20	0.1	0.5	0.1	69	0.31	0.071
1297089	Soil	1.6	11.7	10.4	45	<0.1	21.6	9.8	319	2.72	6.6	0.8	2.6	7.5	15	<0.1	0.4	0.1	60	0.25	0.031
1294021	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1294003	Soil	0.9	17.6	7.8	74	<0.1	11.7	14.1	1094	3.28	30.8	1.2	4.2	6.4	24	0.2	1.8	<0.1	99	0.42	0.076
1297098	Soil	0.4	20.1	8.1	63	0.2	17.0	11.0	303	2.36	7.5	1.8	4.5	6.4	22	0.2	0.6	0.1	67	0.37	0.068
1297090	Soil	1.1	16.0	7.8	52	<0.1	31.3	15.4	609	2.86	4.9	2.0	7.5	10.1	27	0.2	0.5	<0.1	66	0.62	0.060
1294014	Soil	1.1	19.3	7.7	65	0.1	16.5	14.5	609	3.12	64.6	2.5	5.8	5.8	22	0.1	14.7	0.1	91	0.35	0.065
1294004	Soil	0.6	21.3	6.2	72	<0.1	8.5	13.4	414	3.82	69.1	1.3	8.6	7.5	20	0.1	9.5	<0.1	115	0.48	0.096
1297099	Soil	0.8	12.4	8.6	62	0.1	14.4	10.7	445	2.54	8.4	1.5	5.0	5.2	26	<0.1	0.5	0.1	73	0.40	0.065
1297075	Soil	1.0	18.0	6.3	47	<0.1	24.8	12.1	477	2.84	7.4	0.9	5.8	11.1	15	0.1	0.4	0.1	71	0.27	0.052
1294008	Soil	1.0	18.2	7.3	56	0.3	14.5	9.7	359	2.47	54.7	1.7	3.8	2.8	26	0.1	2.5	0.1	68	0.37	0.070
1294020	Soil	0.8	17.7	6.7	59	<0.1	16.5	13.2	380	3.03	19.9	1.6	10.0	6.7	25	0.1	1.5	0.1	88	0.44	0.070
1294018	Soil	0.9	17.5	7.7	54	0.1	15.8	10.1	308	2.91	22.1	1.8	4.2	5.0	19	<0.1	2.2	0.1	79	0.28	0.050
1294015	Soil	1.4	16.6	7.3	56	0.1	14.9	13.2	621	3.11	44.9	1.3	4.6	4.3	24	0.1	3.7	0.1	89	0.34	0.066
1294007	Soil	0.9	18.1	7.4	58	0.1	15.8	11.6	650	2.74	75.2	1.2	7.0	3.6	24	0.1	3.8	0.1	76	0.39	0.058
1294025	Soil	0.8	27.1	7.9	71	0.2	21.8	14.0	421	3.36	50.4	4.2	13.9	9.5	26	0.1	1.7	0.1	84	0.47	0.074
1294026	Soil	0.7	25.9	8.5	70	0.2	21.4	13.4	369	3.02	41.3	4.2	14.2	8.5	28	0.2	1.8	0.1	82	0.55	0.071
1294013	Soil	1.0	18.8	7.0	63	0.1	14.9	11.9	433	2.96	131.4	2.5	13.8	6.0	21	<0.1	33.6	0.1	82	0.36	0.065
1294028	Soil	0.6	17.7	7.1	59	<0.1	16.1	9.9	254	2.73	12.9	2.6	2.6	5.4	21	0.2	1.0	0.1	72	0.32	0.072
1294006	Soil	0.9	18.4	7.5	61	0.2	15.4	11.9	541	2.80	66.5	1.2	5.2	3.2	27	0.1	3.7	0.1	76	0.44	0.060
1294024	Soil	1.7	14.5	9.0	65	<0.1	17.8	16.3	613	4.05	172.8	0.7	4.7	4.1	16	0.2	2.6	0.2	100	0.21	0.029
1294016	Soil	0.9	15.1	6.4	63	0.1	13.9	11.7	493	2.63	25.9	1.7	3.8	4.3	26	<0.1	2.7	0.1	76	0.41	0.067



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Kaminak Gold Corporation  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

**Project:** SUG  
**Report Date:** August 25, 2012

**Page:** 3 of 7

**Part:** 2 of 2

## CERTIFICATE OF ANALYSIS

WHI12000689.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1297071	Soil	13	50	0.79	102	0.099	2	2.23	0.009	0.07	0.1	0.03	3.8	0.2	<0.05	7	<0.5	<0.2
1297069	Soil	34	42	0.65	118	0.087	1	1.66	0.014	0.08	0.6	0.04	4.5	0.1	<0.05	5	<0.5	<0.2
1294023	Soil	20	36	0.71	238	0.138	1	2.32	0.014	0.07	0.2	0.04	6.0	0.2	<0.05	7	<0.5	<0.2
1297100	Soil	11	27	0.69	241	0.104	1	1.75	0.017	0.06	0.2	0.03	4.0	0.2	<0.05	6	<0.5	<0.2
1297096	Soil	11	31	0.64	225	0.094	1	1.92	0.014	0.06	0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
1297093	Soil	9	26	0.47	99	0.064	1	1.05	0.011	0.05	0.1	0.04	2.5	<0.1	<0.05	5	<0.5	<0.2
1294022	Soil	10	31	0.63	279	0.119	2	1.72	0.013	0.06	<0.1	0.04	4.0	0.2	<0.05	7	<0.5	<0.2
1294002	Soil	13	30	0.75	307	0.139	2	1.86	0.018	0.12	0.5	0.03	4.1	0.2	<0.05	7	<0.5	<0.2
1297097	Soil	9	33	0.64	193	0.094	2	1.88	0.014	0.05	0.2	0.03	3.9	0.2	<0.05	7	0.5	<0.2
1297089	Soil	16	39	0.83	133	0.100	2	1.44	0.010	0.12	0.2	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
1294021	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1294003	Soil	11	30	0.75	318	0.127	2	1.83	0.019	0.10	0.4	0.03	4.5	0.2	<0.05	6	<0.5	<0.2
1297098	Soil	14	33	0.72	294	0.114	1	2.03	0.015	0.08	0.2	0.06	5.3	0.2	<0.05	6	<0.5	<0.2
1297090	Soil	36	57	1.03	232	0.088	2	1.68	0.013	0.16	0.1	0.04	4.9	0.2	<0.05	5	<0.5	<0.2
1294014	Soil	13	35	0.73	358	0.151	2	2.04	0.015	0.10	0.2	0.04	5.3	0.3	<0.05	7	<0.5	<0.2
1294004	Soil	15	27	0.97	423	0.193	<1	2.00	0.020	0.37	0.2	0.02	5.7	0.5	<0.05	7	<0.5	<0.2
1297099	Soil	10	30	0.64	269	0.105	1	1.78	0.017	0.06	0.2	0.05	4.2	0.2	0.07	6	<0.5	<0.2
1297075	Soil	15	40	0.75	123	0.098	1	1.87	0.011	0.10	0.2	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
1294008	Soil	12	28	0.58	324	0.084	1	1.72	0.015	0.06	0.2	0.06	4.6	0.2	0.06	6	<0.5	<0.2
1294020	Soil	13	34	0.77	355	0.154	1	1.77	0.016	0.12	0.2	0.04	4.9	0.3	<0.05	6	<0.5	<0.2
1294018	Soil	10	33	0.67	251	0.138	1	2.01	0.013	0.07	0.2	0.04	4.3	0.2	<0.05	7	<0.5	<0.2
1294015	Soil	9	33	0.66	281	0.135	1	1.77	0.015	0.08	<0.1	0.05	4.1	0.2	<0.05	6	<0.5	<0.2
1294007	Soil	11	31	0.67	313	0.102	1	1.86	0.014	0.08	0.1	0.03	4.8	0.2	<0.05	6	<0.5	<0.2
1294025	Soil	33	37	0.75	368	0.112	1	2.12	0.015	0.08	0.1	0.06	9.1	0.2	<0.05	7	<0.5	<0.2
1294026	Soil	30	33	0.71	408	0.102	1	2.00	0.015	0.08	0.1	0.07	8.5	0.2	<0.05	6	<0.5	<0.2
1294013	Soil	14	33	0.74	337	0.131	1	2.05	0.015	0.12	0.2	0.04	5.5	0.3	<0.05	6	<0.5	<0.2
1294028	Soil	15	31	0.60	237	0.106	<1	1.75	0.016	0.05	0.2	0.04	4.5	0.2	0.06	5	<0.5	<0.2
1294006	Soil	11	33	0.68	311	0.089	2	1.94	0.015	0.07	0.1	0.04	5.4	0.2	<0.05	6	<0.5	<0.2
1294024	Soil	9	33	0.68	176	0.125	2	2.43	0.011	0.07	0.1	0.03	4.9	0.2	<0.05	9	<0.5	<0.2
1294016	Soil	10	30	0.66	327	0.135	<1	1.71	0.016	0.10	0.2	0.05	4.4	0.2	0.06	5	<0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Kaminak Gold Corporation  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

**Project:** SUG  
**Report Date:** August 25, 2012

**Page:** 4 of 7

**Part:** 1 of 2

## CERTIFICATE OF ANALYSIS

WHI12000689.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1294001	Rock Pulp	1.5	410.7	19.2	152	0.2	205.3	71.6	770	13.99	3.7	1.1	32.3	6.5	13	<0.1	0.4	0.1	197	0.27
1294005	Soil	0.8	32.2	6.2	78	<0.1	14.4	15.5	621	4.07	18.3	1.1	<0.5	6.2	24	0.2	1.8	0.1	119	0.46
1294019	Soil	1.1	19.8	7.1	52	0.2	14.9	16.5	610	2.77	22.7	3.1	3.5	4.4	27	<0.1	2.4	0.1	75	0.40
1294017	Soil	0.9	19.8	7.8	64	0.1	17.3	12.9	389	3.10	32.1	1.8	5.0	5.6	22	<0.1	2.0	0.2	91	0.36
1294011	Soil	0.9	18.0	7.0	57	0.1	14.5	11.8	596	2.83	70.2	1.4	8.4	4.1	23	0.2	1.6	0.2	81	0.38
1294203	Soil	1.0	19.9	7.2	54	0.1	16.8	19.9	2109	3.55	21.4	2.2	4.0	5.1	24	0.2	2.2	0.1	83	0.37
1294205	Soil	0.8	13.5	6.9	65	<0.1	15.7	13.2	457	3.07	15.8	0.9	2.5	5.3	21	<0.1	1.2	0.1	85	0.39
1297297	Soil	1.5	14.9	6.6	31	0.1	9.3	4.6	139	1.92	23.8	0.5	<0.5	1.2	14	0.3	5.0	0.1	68	0.17
1294027	Soil	0.8	25.0	8.1	69	0.1	19.1	13.3	496	3.18	24.6	4.7	7.6	9.1	32	0.2	1.5	0.1	87	0.55
1294012	Soil	1.0	18.3	6.7	74	<0.1	15.2	14.2	867	3.37	71.7	1.2	4.4	5.2	28	0.2	4.1	0.1	97	0.49
1297274	Soil	0.6	13.0	6.3	46	0.1	12.6	13.1	827	1.94	4.7	2.6	3.1	3.9	28	0.3	0.4	0.1	47	0.40
1297296	Soil	0.8	19.6	6.6	55	<0.1	22.5	14.4	391	3.13	134.7	0.8	19.0	4.6	19	0.2	4.7	0.1	80	0.23
1294009	Soil	1.0	18.3	8.7	70	0.2	13.6	11.6	557	2.97	51.6	2.1	8.9	5.6	29	0.1	2.8	0.2	83	0.41
1294010	Soil	1.0	23.0	7.9	64	0.1	14.4	11.2	511	3.10	58.4	2.2	8.0	5.6	28	0.2	2.2	0.2	87	0.44
1294204	Soil	0.4	14.4	7.8	56	<0.1	15.6	8.6	231	2.54	15.4	1.4	4.0	5.2	22	0.1	1.6	0.1	70	0.31
1297294	Soil	1.1	26.4	7.3	59	0.1	15.7	11.4	458	2.90	65.9	3.0	9.0	7.2	28	<0.1	4.1	0.2	79	0.38
1294206	Soil	0.8	15.9	7.7	51	0.2	13.9	10.3	413	2.53	18.8	1.9	4.9	4.7	22	0.2	1.4	0.3	70	0.30
1297299	Soil	1.1	23.4	8.9	60	<0.1	18.6	13.5	422	2.97	50.3	3.9	15.2	8.0	29	0.3	6.8	0.1	82	0.43
1297295	Soil	1.0	20.6	7.9	34	<0.1	12.6	7.1	219	2.18	57.0	2.3	10.8	3.1	24	0.1	4.5	0.2	65	0.25
1297298	Soil	1.0	32.9	8.8	66	0.2	19.6	11.7	492	2.91	138.2	8.4	80.2	7.0	32	0.3	13.7	<0.1	74	0.48
1294451	Rock Pulp	2.2	22.2	2.1	36	0.2	20.4	9.4	349	2.05	4.7	0.2	1.5	0.7	34	0.2	0.3	<0.1	49	0.63
1294447	Soil	0.6	16.2	8.5	46	<0.1	21.2	10.8	276	2.44	6.0	1.3	2.9	7.6	22	<0.1	0.5	0.1	59	0.36
1294435	Soil	0.7	16.4	8.9	45	<0.1	22.3	10.3	230	2.93	5.6	0.8	7.5	4.3	16	<0.1	0.4	<0.1	70	0.26
1294430	Soil	0.4	32.1	9.0	53	0.1	38.0	13.1	414	2.89	8.3	1.5	2.3	7.2	49	<0.1	0.7	0.1	52	1.19
1294423	Soil	1.0	222.9	24.2	234	0.2	66.7	17.6	706	2.60	7.5	0.6	1.1	2.8	21	<0.1	0.5	1.1	33	0.81
1294446	Soil	0.6	22.6	9.2	48	<0.1	23.8	12.2	363	2.77	5.8	1.7	4.8	9.1	22	<0.1	0.6	0.1	61	0.39
1294450	Soil	1.5	14.5	10.8	45	<0.1	12.2	6.4	340	3.04	9.7	0.4	4.4	3.0	12	0.2	0.6	0.2	83	0.13
1294431	Soil	0.8	25.2	22.1	49	0.1	25.7	14.6	411	3.01	7.1	2.0	28.8	8.7	26	<0.1	1.1	0.2	61	0.54
1294422	Soil	0.6	39.9	14.1	78	0.3	38.0	18.1	537	3.49	38.1	2.2	8.5	6.3	37	0.2	0.9	0.4	68	0.87
1294420	Soil	0.8	19.8	6.3	56	0.1	27.2	12.3	431	2.70	15.1	1.2	5.4	4.7	28	0.1	0.3	0.1	58	0.59



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Kaminak Gold Corporation  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

**Project:** SUG  
**Report Date:** August 25, 2012

**Page:** 4 of 7

**Part:** 2 of 2

## CERTIFICATE OF ANALYSIS

WHI12000689.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1294001	Rock Pulp	15	654	0.12	137	0.143	4	3.63	0.012	0.06	<0.1	0.03	37.3	0.1	<0.05	19	<0.5
1294005	Soil	13	27	1.04	496	0.213	<1	2.54	0.020	0.37	0.2	0.02	5.1	0.4	<0.05	9	<0.5
1294019	Soil	13	31	0.63	343	0.123	2	1.74	0.017	0.07	0.1	0.04	5.0	0.2	0.07	6	<0.5
1294017	Soil	12	36	0.77	331	0.151	1	2.18	0.015	0.09	0.2	0.05	4.9	0.3	<0.05	7	<0.5
1294011	Soil	13	30	0.68	335	0.119	1	1.84	0.016	0.08	0.2	0.04	5.1	0.3	<0.05	6	<0.5
1294203	Soil	15	33	0.58	310	0.109	1	1.80	0.015	0.06	0.1	0.04	5.0	0.3	0.05	6	<0.5
1294205	Soil	10	32	0.76	280	0.154	1	1.78	0.017	0.10	0.2	0.03	3.6	0.2	<0.05	6	<0.5
1297297	Soil	5	19	0.22	95	0.082	<1	1.00	0.012	0.04	<0.1	0.03	1.9	0.1	0.06	6	<0.5
1294027	Soil	31	35	0.72	401	0.138	2	2.02	0.018	0.10	0.1	0.05	7.2	0.3	<0.05	7	<0.5
1294012	Soil	11	33	0.79	412	0.159	1	1.81	0.018	0.12	0.1	0.03	4.9	0.2	0.06	7	<0.5
1297274	Soil	19	26	0.49	280	0.078	1	1.50	0.018	0.05	0.2	0.05	4.6	0.2	0.10	5	<0.5
1297296	Soil	10	36	0.68	200	0.114	2	2.67	0.014	0.08	0.1	0.03	4.7	0.3	<0.05	6	<0.5
1294009	Soil	13	30	0.74	342	0.134	3	1.99	0.014	0.12	0.2	0.04	5.5	0.3	<0.05	6	<0.5
1294010	Soil	13	32	0.74	343	0.137	3	1.93	0.014	0.14	0.2	0.04	5.5	0.3	<0.05	6	<0.5
1294204	Soil	10	32	0.62	205	0.119	3	1.73	0.013	0.06	0.1	0.05	4.0	0.2	<0.05	6	<0.5
1297294	Soil	18	33	0.76	362	0.148	1	1.80	0.018	0.13	0.1	0.03	6.3	0.3	<0.05	6	<0.5
1294206	Soil	10	29	0.56	241	0.105	1	1.72	0.012	0.06	0.1	0.04	3.5	0.2	<0.05	6	<0.5
1297299	Soil	17	36	0.71	382	0.145	2	1.75	0.018	0.11	0.1	0.03	5.7	0.3	<0.05	6	<0.5
1297295	Soil	24	23	0.42	326	0.082	1	1.62	0.015	0.05	0.1	0.03	4.1	0.2	<0.05	6	<0.5
1297298	Soil	22	35	0.71	395	0.131	1	1.74	0.020	0.15	0.1	0.05	6.8	0.3	<0.05	5	<0.5
1294451	Rock Pulp	3	26	0.66	81	0.082	1	1.22	0.068	0.10	11.4	<0.01	3.7	<0.1	<0.05	4	<0.5
1294447	Soil	15	38	0.64	173	0.070	<1	1.84	0.011	0.06	0.2	0.04	4.4	0.1	<0.05	6	<0.5
1294435	Soil	11	41	0.95	157	0.113	2	1.89	0.008	0.16	0.2	0.03	4.8	0.2	<0.05	7	<0.5
1294430	Soil	39	57	1.13	215	0.094	<1	1.93	0.018	0.19	<0.1	0.05	5.0	0.2	<0.05	6	0.7
1294423	Soil	7	69	2.65	187	0.131	<1	2.31	0.006	0.50	<0.1	0.01	1.4	0.3	<0.05	5	<0.5
1294446	Soil	17	45	0.76	187	0.092	<1	1.79	0.012	0.08	0.1	0.03	5.3	0.2	<0.05	6	0.7
1294450	Soil	8	28	0.31	84	0.067	<1	1.50	0.008	0.04	0.1	0.03	2.6	0.1	<0.05	8	<0.5
1294431	Soil	25	40	0.63	379	0.059	<1	1.57	0.012	0.07	0.1	0.07	6.1	0.1	<0.05	5	<0.5
1294422	Soil	35	59	1.20	192	0.097	1	2.13	0.012	0.18	0.2	0.05	7.4	0.2	<0.05	7	<0.5
1294420	Soil	19	56	1.00	205	0.113	2	1.74	0.014	0.13	0.1	0.02	4.5	0.2	<0.05	6	<0.5



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Kaminak Gold Corporation**  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Project: **SUG**  
Report Date: **August 25, 2012**

Page: **5 of 7**

Part: **1 of 2**

## CERTIFICATE OF ANALYSIS

WHI12000689.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1294449	Soil	1.9	33.4	9.2	47	0.2	26.2	20.9	1966	2.59	6.1	2.4	5.2	2.6	32	0.2	0.4	0.1	55	0.52
1294433	Soil	0.8	41.6	15.5	55	0.1	33.8	22.1	978	4.02	10.3	2.1	5.1	4.7	27	0.1	1.0	0.2	86	0.82
1294424	Soil	0.4	38.4	17.4	82	0.1	47.1	13.2	580	2.72	11.4	1.7	22.8	4.2	54	0.3	1.4	<0.1	43	1.68
1294421	Soil	0.8	30.3	14.3	57	0.3	38.4	12.7	354	2.77	52.6	2.4	8.5	5.4	37	0.1	1.3	0.3	54	0.73
1294448	Soil	1.2	20.8	7.3	49	0.1	20.0	9.3	369	2.03	4.4	1.3	4.4	2.2	27	0.3	0.3	0.1	49	0.45
1294434	Soil	0.5	36.8	7.4	50	0.1	28.1	15.2	372	3.34	6.0	0.6	15.8	2.7	23	<0.1	0.3	<0.1	76	0.42
1294441	Soil	0.6	37.7	6.4	59	0.1	30.3	16.3	401	3.55	5.2	1.2	4.6	8.5	26	<0.1	0.4	<0.1	79	0.45
1294439	Soil	1.2	52.4	9.5	64	<0.1	26.3	12.4	372	3.77	5.5	1.6	2.4	21.7	28	<0.1	3.3	0.2	76	0.41
1294428	Soil	0.5	36.5	14.9	84	<0.1	49.0	16.5	518	3.54	12.8	0.8	1.1	5.1	41	0.1	0.8	<0.1	55	0.97
1294427	Soil	0.5	28.7	8.4	67	<0.1	40.7	17.6	680	3.23	7.2	0.6	1.6	5.1	51	<0.1	0.5	<0.1	54	1.36
1294440	Soil	0.6	21.6	7.1	58	<0.1	20.1	16.4	404	3.67	4.1	1.4	1.2	11.2	24	0.1	0.6	<0.1	79	0.38
1294438	Soil	0.6	24.2	7.3	56	<0.1	26.4	16.0	399	3.55	5.2	0.9	5.1	9.3	22	<0.1	0.5	<0.1	81	0.33
1294437	Soil	0.7	34.8	7.3	44	0.1	49.0	20.4	489	3.12	4.5	1.0	8.7	3.2	28	<0.1	0.3	<0.1	78	0.54
1294426	Soil	0.3	31.8	8.6	59	<0.1	38.8	15.4	582	2.62	7.0	0.6	5.6	3.8	57	0.1	0.7	<0.1	42	1.69
1294445	Soil	0.9	17.1	8.3	47	<0.1	23.9	13.1	488	2.52	6.1	1.3	3.9	5.5	20	<0.1	0.4	0.1	59	0.33
1294443	Soil	0.8	34.3	8.9	57	0.1	40.9	16.8	408	3.24	7.7	2.0	6.5	9.0	24	<0.1	0.7	0.1	73	0.48
1294436	Soil	0.8	27.6	9.0	50	<0.1	26.1	18.6	443	4.48	9.5	0.7	5.8	4.8	20	<0.1	0.6	<0.1	94	0.37
1294429	Soil	0.3	42.8	10.3	60	<0.1	78.9	18.4	482	3.53	12.0	1.0	29.1	5.3	77	<0.1	0.8	<0.1	55	3.19
1297293	Soil	1.2	29.9	7.5	65	0.1	20.3	12.7	428	3.15	56.6	3.2	7.3	7.2	31	0.2	4.9	0.2	84	0.50
1294444	Soil	1.2	25.6	7.5	47	<0.1	29.4	15.0	422	2.94	6.3	1.9	4.1	6.3	21	<0.1	0.5	0.6	70	0.34
1294442	Soil	0.9	26.2	12.8	52	<0.1	69.2	20.2	733	4.00	8.9	1.7	<0.5	8.3	23	<0.1	0.3	0.2	70	0.42
1294425	Soil	0.5	27.4	8.4	57	<0.1	44.9	15.7	503	2.74	7.2	0.6	8.0	4.3	61	0.1	0.8	0.1	44	2.17
1297290	Soil	1.0	26.3	5.4	56	0.2	15.8	10.1	646	2.83	51.2	2.7	4.0	3.9	32	0.2	14.9	0.1	77	0.49
1297287	Soil	1.1	24.5	13.3	84	0.2	17.4	15.3	871	3.38	25.6	2.3	3.1	7.1	23	0.1	3.7	0.2	95	0.37
1297285	Soil	0.8	21.3	7.4	54	0.2	12.6	9.7	351	2.34	35.0	2.0	6.7	3.4	28	0.2	3.2	0.2	61	0.37
1297292	Soil	1.3	30.6	8.1	68	0.2	19.6	13.9	490	3.49	83.5	4.3	14.5	7.2	28	0.2	12.0	0.2	92	0.41
1297300	Soil	0.5	17.1	8.0	62	<0.1	17.1	10.4	212	3.01	48.3	2.6	17.5	6.0	25	0.2	7.5	0.2	86	0.34
1297284	Soil	1.1	30.8	8.0	59	0.2	17.3	12.2	1079	2.74	18.1	2.1	5.7	2.5	34	0.2	1.9	0.2	75	0.50
1297288	Soil	0.7	21.5	10.7	66	0.2	17.5	11.4	602	2.84	23.9	2.0	6.2	5.9	25	0.1	7.0	0.1	82	0.42
1297289	Soil	0.7	17.8	8.0	75	<0.1	16.5	13.9	649	3.29	28.8	1.3	6.6	5.7	29	0.2	3.4	0.1	91	0.50





1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Kaminak Gold Corporation**  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Project: **SUG**  
Report Date: **August 25, 2012**

Page: **5 of 7**

Part: **2 of 2**

## CERTIFICATE OF ANALYSIS

WHI12000689.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1294449	Soil	37	41	0.52	273	0.040	2	1.76	0.012	0.07	<0.1	0.08	4.7	0.2	<0.05	5	<0.5	<0.2
1294433	Soil	21	55	1.08	466	0.085	<1	1.82	0.011	0.16	<0.1	0.05	9.3	0.2	<0.05	6	0.6	<0.2
1294424	Soil	23	83	0.96	200	0.079	2	1.43	0.012	0.21	<0.1	0.07	4.1	0.3	<0.05	5	<0.5	<0.2
1294421	Soil	26	55	0.80	177	0.089	2	1.71	0.011	0.12	0.2	0.04	4.3	0.2	<0.05	6	<0.5	<0.2
1294448	Soil	15	35	0.55	191	0.061	<1	1.39	0.013	0.07	0.1	0.05	3.9	0.1	<0.05	5	<0.5	<0.2
1294434	Soil	8	41	1.20	225	0.127	<1	2.03	0.011	0.23	0.1	0.02	4.4	0.2	<0.05	6	<0.5	<0.2
1294441	Soil	28	48	1.26	314	0.152	<1	2.12	0.014	0.51	0.1	0.04	6.6	0.3	<0.05	6	<0.5	<0.2
1294439	Soil	62	44	0.97	254	0.129	1	2.09	0.013	0.39	0.3	0.04	10.2	0.3	<0.05	7	<0.5	<0.2
1294428	Soil	18	72	1.37	138	0.111	2	2.09	0.012	0.20	<0.1	0.02	4.1	0.3	<0.05	6	<0.5	<0.2
1294427	Soil	18	68	1.36	171	0.117	1	1.96	0.013	0.21	<0.1	0.02	4.0	0.3	<0.05	6	<0.5	<0.2
1294440	Soil	32	33	1.17	235	0.155	<1	2.17	0.012	0.36	0.1	0.04	5.1	0.3	<0.05	7	<0.5	<0.2
1294438	Soil	26	48	1.34	176	0.141	1	2.26	0.010	0.25	0.1	0.02	5.1	0.2	<0.05	6	<0.5	<0.2
1294437	Soil	10	106	1.47	222	0.116	<1	2.27	0.024	0.17	0.1	0.03	4.7	0.2	<0.05	7	<0.5	<0.2
1294426	Soil	17	61	1.10	161	0.081	2	1.57	0.013	0.14	<0.1	0.05	3.0	0.2	<0.05	5	<0.5	<0.2
1294445	Soil	13	42	0.69	152	0.079	2	1.79	0.011	0.06	0.1	0.03	3.7	0.2	<0.05	5	<0.5	<0.2
1294443	Soil	20	70	1.06	236	0.113	2	2.02	0.015	0.16	0.1	0.05	7.3	0.3	<0.05	6	<0.5	<0.2
1294436	Soil	10	38	1.43	260	0.185	<1	2.67	0.010	0.48	0.1	0.02	4.4	0.3	<0.05	8	<0.5	<0.2
1294429	Soil	23	150	1.62	177	0.121	<1	2.17	0.011	0.35	0.1	0.05	3.9	0.3	<0.05	6	<0.5	<0.2
1297293	Soil	18	37	0.82	487	0.162	2	1.98	0.018	0.10	0.2	0.05	6.9	0.3	<0.05	6	<0.5	<0.2
1294444	Soil	18	50	0.82	204	0.096	2	1.99	0.013	0.08	0.2	0.05	6.2	0.2	<0.05	6	<0.5	<0.2
1294442	Soil	21	93	1.09	242	0.103	2	2.09	0.011	0.15	0.1	0.04	5.9	0.3	<0.05	7	<0.5	<0.2
1294425	Soil	17	76	1.22	132	0.093	2	1.60	0.012	0.21	<0.1	0.03	3.2	0.2	<0.05	5	<0.5	<0.2
1297290	Soil	19	31	0.63	376	0.135	2	1.69	0.018	0.10	0.2	0.05	5.8	0.2	<0.05	5	<0.5	<0.2
1297287	Soil	17	39	0.86	345	0.134	2	2.28	0.016	0.11	0.2	0.05	6.5	0.4	<0.05	7	<0.5	<0.2
1297285	Soil	13	31	0.58	302	0.092	1	1.67	0.017	0.07	0.2	0.07	5.0	0.2	<0.05	6	<0.5	<0.2
1297292	Soil	18	38	0.83	430	0.173	1	2.13	0.023	0.13	0.2	0.07	7.3	0.4	<0.05	7	0.6	<0.2
1297300	Soil	15	34	0.69	269	0.140	2	2.00	0.017	0.08	<0.1	0.05	5.5	0.3	<0.05	6	<0.5	<0.2
1297284	Soil	17	34	0.63	412	0.087	2	1.84	0.017	0.08	0.1	0.06	5.6	0.2	0.07	6	<0.5	<0.2
1297288	Soil	14	36	0.76	318	0.138	1	2.11	0.015	0.11	0.2	0.06	6.1	0.3	<0.05	6	<0.5	<0.2
1297289	Soil	12	33	0.84	418	0.163	1	1.97	0.017	0.13	0.2	0.02	5.0	0.3	<0.05	7	<0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Kaminak Gold Corporation  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

**Project:** SUG  
**Report Date:** August 25, 2012

**Page:** 6 of 7

**Part:** 1 of 2

## CERTIFICATE OF ANALYSIS

WHI12000689.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1297277	Soil	1.3	16.9	6.6	61	<0.1	14.5	12.6	758	2.86	12.9	1.6	2.9	6.3	27	0.2	0.8	0.1	82	0.49	0.078
1297279	Soil	0.8	16.9	8.0	67	<0.1	17.4	15.6	334	3.40	10.2	1.4	7.0	7.6	24	0.2	0.4	0.1	82	0.38	0.078
1297281	Soil	1.2	21.4	8.5	59	0.2	14.3	16.7	1108	3.30	18.3	2.6	6.2	5.3	25	0.2	1.0	0.2	84	0.32	0.080
1297291	Soil	1.4	18.9	7.1	55	0.2	16.4	13.2	921	3.08	86.2	2.1	7.5	4.5	26	0.2	29.5	0.1	80	0.38	0.062
1297280	Soil	1.2	19.7	18.7	69	0.2	12.5	11.2	484	3.05	18.3	1.9	4.4	7.5	28	0.2	1.8	0.1	84	0.42	0.070
1297282	Soil	0.8	15.8	9.2	72	0.1	13.2	13.7	502	3.47	23.4	1.4	6.6	6.2	23	<0.1	1.3	0.2	91	0.36	0.069
1297283	Soil	0.9	15.5	8.4	49	<0.1	12.8	7.2	228	2.73	10.3	0.6	6.8	2.8	17	0.4	0.8	0.2	85	0.21	0.029
1297286	Soil	1.5	33.4	7.5	54	0.2	15.4	15.8	1247	3.27	25.3	3.1	7.9	3.3	31	<0.1	2.6	0.1	84	0.45	0.112
1285904	Soil	0.9	14.6	7.3	59	0.1	12.7	11.7	441	2.68	46.0	1.4	6.4	5.0	29	<0.1	1.5	0.1	76	0.44	0.049
1285900	Soil	1.3	16.7	8.6	63	<0.1	17.9	12.3	308	3.52	52.5	1.0	5.7	5.9	15	0.2	2.9	0.2	94	0.17	0.028
1294201	Rock Pulp	1.4	419.6	20.7	156	0.2	207.6	74.1	817	16.27	3.5	1.2	33.2	7.6	15	0.1	0.3	0.2	216	0.29	0.041
1297278	Soil	0.7	16.5	8.4	61	0.1	16.9	11.1	349	3.02	13.9	1.7	2.1	7.4	24	0.2	0.6	0.2	80	0.36	0.069
1285917	Soil	1.9	16.6	7.0	67	<0.1	20.0	13.5	465	3.33	106.7	1.3	8.6	6.2	20	0.1	1.1	0.2	85	0.33	0.056
1285903	Soil	1.1	15.1	7.5	74	<0.1	15.8	13.1	574	3.27	61.3	1.5	16.2	6.2	24	<0.1	2.0	0.1	85	0.39	0.060
1285899	Soil	1.1	18.2	9.1	67	<0.1	14.5	12.1	442	3.49	39.3	0.9	3.0	6.1	25	0.2	1.5	0.2	100	0.37	0.059
1297275	Soil	0.6	13.8	8.5	55	<0.1	16.4	9.2	258	2.48	7.9	1.4	3.1	6.8	21	0.2	0.5	0.1	63	0.34	0.068
1285893	Soil	0.9	17.7	8.1	66	<0.1	17.4	11.3	317	3.01	25.9	1.3	6.0	5.3	23	0.1	1.1	0.1	80	0.34	0.070
1285914	Soil	3.1	17.4	10.6	52	0.1	18.1	9.7	278	4.42	41.6	0.7	1.8	3.8	15	<0.1	1.3	0.2	121	0.19	0.027
1285898	Soil	0.8	26.1	6.5	66	0.1	13.0	13.7	476	3.48	14.0	1.2	3.5	6.7	27	<0.1	0.9	<0.1	105	0.42	0.069
1294202	Soil	0.6	23.5	8.1	66	0.1	19.3	14.3	383	3.48	41.8	1.9	6.3	8.4	26	0.2	3.0	0.1	93	0.42	0.073
1285905	Soil	1.1	11.5	7.1	59	<0.1	14.4	11.4	492	2.92	85.7	1.3	9.5	4.6	23	0.1	1.3	0.2	86	0.37	0.058
1285895	Soil	0.6	14.6	6.1	62	0.1	13.2	8.9	301	2.46	25.6	1.3	6.8	3.4	27	0.2	1.1	0.1	58	0.38	0.078
1285902	Soil	1.0	15.3	7.8	63	<0.1	14.5	12.2	543	3.15	50.9	1.8	5.9	6.6	24	0.2	1.4	0.1	85	0.38	0.052
1297276	Soil	0.5	14.1	8.3	60	<0.1	17.2	9.0	226	2.47	8.6	1.4	8.0	6.9	20	0.1	0.5	0.2	68	0.32	0.069
1285910	Soil	0.9	13.6	7.4	60	<0.1	13.8	11.6	385	2.83	19.4	1.7	2.0	4.8	23	0.1	2.5	0.3	85	0.34	0.048
1285912	Soil	1.2	15.0	7.9	63	<0.1	14.4	15.2	843	3.47	26.6	1.3	33.4	5.2	24	0.1	1.2	0.2	100	0.35	0.052
1285911	Soil	1.1	16.2	7.5	60	<0.1	14.0	12.5	383	3.69	36.6	1.9	3.9	4.9	25	0.1	1.1	0.2	101	0.35	0.065
1285916	Soil	2.5	25.0	7.2	66	0.2	19.8	13.8	636	3.41	77.1	5.5	16.8	7.8	37	<0.1	1.2	0.3	86	0.58	0.078
1285913	Soil	1.4	16.4	7.2	51	0.1	14.7	11.5	313	2.97	29.5	2.6	7.6	5.8	25	<0.1	1.8	0.2	83	0.34	0.054
1285918	Soil	2.4	17.0	7.4	58	<0.1	20.5	13.3	366	3.27	36.7	1.9	6.9	5.5	20	0.2	0.8	0.1	85	0.32	0.054



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Kaminak Gold Corporation  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

**Project:** SUG  
**Report Date:** August 25, 2012

**Page:** 6 of 7

**Part:** 2 of 2

## CERTIFICATE OF ANALYSIS

WHI12000689.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1297277	Soil	12	29	0.70	251	0.115	1	1.60	0.016	0.07	0.3	0.02	3.7	0.2	<0.05	6	<0.5	<0.2
1297279	Soil	15	34	0.81	228	0.117	<1	2.07	0.014	0.07	0.3	0.04	5.2	0.1	<0.05	7	<0.5	<0.2
1297281	Soil	14	32	0.61	275	0.102	1	1.89	0.017	0.07	0.2	0.05	4.4	0.2	<0.05	6	<0.5	<0.2
1297291	Soil	14	33	0.62	355	0.116	2	1.84	0.016	0.07	<0.1	0.05	5.7	0.3	<0.05	6	<0.5	<0.2
1297280	Soil	12	29	0.73	325	0.140	1	1.90	0.017	0.11	0.4	0.04	4.1	0.2	<0.05	7	<0.5	<0.2
1297282	Soil	13	31	0.75	281	0.134	<1	2.07	0.015	0.08	0.2	0.05	5.0	0.3	<0.05	7	<0.5	<0.2
1297283	Soil	9	28	0.60	130	0.102	1	1.96	0.013	0.07	0.2	0.02	3.9	0.2	<0.05	8	<0.5	<0.2
1297286	Soil	21	34	0.61	450	0.082	1	1.80	0.017	0.07	<0.1	0.10	6.7	0.3	0.07	6	<0.5	<0.2
1285904	Soil	12	27	0.68	322	0.144	1	1.75	0.016	0.10	0.2	0.05	4.4	0.2	<0.05	6	<0.5	<0.2
1285900	Soil	10	33	0.71	148	0.133	1	2.75	0.013	0.06	0.2	0.05	4.6	0.2	<0.05	8	<0.5	<0.2
1294201	Rock Pulp	17	659	0.13	143	0.165	3	3.83	0.013	0.06	<0.1	0.03	40.1	<0.1	<0.05	20	0.5	<0.2
1297278	Soil	13	32	0.70	244	0.106	<1	1.99	0.015	0.06	0.3	0.04	5.1	0.2	<0.05	7	<0.5	<0.2
1285917	Soil	11	30	0.73	157	0.156	<1	2.13	0.017	0.09	0.2	0.03	3.9	0.2	<0.05	6	<0.5	<0.2
1285903	Soil	11	30	0.82	263	0.152	<1	2.07	0.016	0.12	0.3	0.03	4.9	0.3	<0.05	7	<0.5	<0.2
1285899	Soil	12	31	0.79	231	0.151	<1	2.15	0.014	0.10	0.2	0.05	4.4	0.2	<0.05	8	<0.5	<0.2
1297275	Soil	10	31	0.69	182	0.110	<1	1.84	0.014	0.07	0.2	0.07	3.8	0.2	<0.05	6	<0.5	<0.2
1285893	Soil	11	33	0.76	235	0.125	<1	2.18	0.015	0.08	0.2	0.04	4.3	0.2	<0.05	7	<0.5	<0.2
1285914	Soil	7	33	0.59	222	0.154	1	2.52	0.012	0.06	0.2	0.05	4.1	0.3	<0.05	11	<0.5	<0.2
1285898	Soil	16	26	0.93	392	0.221	<1	2.30	0.020	0.31	0.1	0.05	4.4	0.4	<0.05	8	<0.5	<0.2
1294202	Soil	16	38	0.81	325	0.163	<1	2.09	0.018	0.12	0.2	0.06	6.1	0.3	<0.05	6	<0.5	<0.2
1285905	Soil	12	27	0.73	281	0.146	<1	1.75	0.015	0.10	0.2	0.04	4.4	0.3	<0.05	6	<0.5	<0.2
1285895	Soil	13	27	0.64	249	0.081	2	1.65	0.016	0.06	0.1	0.03	5.1	0.2	<0.05	6	<0.5	<0.2
1285902	Soil	14	27	0.77	280	0.135	<1	1.82	0.014	0.10	0.2	0.02	5.1	0.2	<0.05	6	<0.5	<0.2
1297276	Soil	10	32	0.72	163	0.116	<1	2.03	0.014	0.07	0.2	0.05	4.1	0.1	<0.05	6	<0.5	<0.2
1285910	Soil	11	30	0.71	299	0.163	3	1.79	0.014	0.08	0.2	0.01	3.4	0.2	<0.05	7	0.6	<0.2
1285912	Soil	12	31	0.75	322	0.179	3	1.93	0.016	0.10	0.2	0.02	3.7	0.2	<0.05	8	<0.5	<0.2
1285911	Soil	14	29	0.73	321	0.168	3	1.87	0.016	0.08	0.2	0.02	4.3	0.3	<0.05	7	<0.5	<0.2
1285916	Soil	35	32	0.77	371	0.140	2	2.12	0.020	0.12	0.2	0.05	6.4	0.3	<0.05	7	<0.5	<0.2
1285913	Soil	18	28	0.68	304	0.160	3	1.90	0.016	0.08	<0.1	0.04	5.3	0.4	0.06	6	<0.5	<0.2
1285918	Soil	11	33	0.66	195	0.143	2	2.20	0.015	0.07	0.3	0.02	3.6	0.2	0.05	7	0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd.  
1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Kaminak Gold Corporation**  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Project: **SUG**  
Report Date: **August 25, 2012**

Page: **7 of 7**

Part: **1 of 2**

## CERTIFICATE OF ANALYSIS

WHI12000689.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1285907	Soil	1.0	13.8	8.2	70	0.2	14.7	14.4	809	3.47	141.2	2.0	18.6	6.7	27	<0.1	18.0	0.1	87	0.43
1285915	Soil	2.1	14.4	10.8	51	0.2	12.8	5.5	255	3.33	14.6	0.6	1.9	1.0	16	0.2	0.7	0.2	106	0.19
1285891	Soil	0.6	17.6	8.0	61	<0.1	16.8	10.6	283	2.82	23.8	1.4	6.5	4.9	21	0.1	2.5	0.1	73	0.32
1285919	Soil	1.2	14.0	8.0	60	0.1	16.9	13.3	404	3.36	32.7	2.0	9.0	6.2	20	<0.1	1.0	<0.1	85	0.33
1285897	Soil	0.8	22.7	7.6	66	<0.1	11.8	16.0	1115	3.38	21.0	1.1	4.5	5.3	28	<0.1	1.0	<0.1	97	0.45
1285894	Soil	1.0	19.7	7.8	75	0.2	16.4	14.3	727	3.42	83.9	1.7	14.6	5.5	26	0.2	1.8	<0.1	80	0.39
1285906	Soil	1.1	12.6	8.1	63	<0.1	12.2	16.7	1218	3.72	67.7	1.1	2.1	5.8	24	<0.1	1.6	<0.1	103	0.43
1285890	Soil	0.7	13.7	6.4	71	<0.1	14.8	13.9	799	3.14	27.6	0.9	8.4	4.6	23	<0.1	0.8	<0.1	75	0.41
1285920	Soil	1.2	19.8	8.1	59	0.3	17.6	11.3	398	2.73	50.0	5.2	19.2	5.9	34	0.1	0.9	0.1	71	0.51
1285896	Soil	0.7	18.5	7.9	81	<0.1	16.9	15.1	468	3.95	27.2	1.5	4.6	6.8	25	0.2	2.8	0.1	99	0.42
1285909	Soil	1.0	18.0	8.0	63	0.1	15.8	11.8	312	2.85	54.4	2.2	19.7	5.8	24	0.1	15.7	<0.1	76	0.35
1285892	Soil	0.9	12.5	7.6	58	0.2	14.9	10.2	345	2.78	24.5	1.1	3.7	3.0	21	0.1	1.8	<0.1	73	0.34
1285901	Rock Pulp	1.5	434.0	21.3	163	0.2	212.2	76.5	830	16.36	3.7	1.2	36.7	7.9	15	<0.1	0.3	<0.1	222	0.30



Acme Analytical Laboratories (Vancouver) Ltd.  
1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Kaminak Gold Corporation**  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Project: **SUG**  
Report Date: **August 25, 2012**

Page: **7 of 7**

Part: **2 of 2**

## CERTIFICATE OF ANALYSIS

WHI12000689.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1285907	Soil	14	33	0.82	376	0.160	2	1.99	0.017	0.13	0.1	0.04	5.0	0.3	0.05	7	<0.5	<0.2
1285915	Soil	7	24	0.24	146	0.087	1	1.47	0.009	0.04	<0.1	0.05	2.2	0.2	<0.05	10	<0.5	<0.2
1285891	Soil	13	32	0.73	224	0.125	2	2.07	0.017	0.08	0.1	0.05	4.6	0.2	<0.05	6	0.7	<0.2
1285919	Soil	11	31	0.72	146	0.147	2	1.99	0.015	0.08	0.2	0.03	3.7	0.2	<0.05	6	<0.5	<0.2
1285897	Soil	14	25	0.89	399	0.203	<1	2.15	0.018	0.23	0.1	0.02	4.3	0.4	0.05	8	<0.5	<0.2
1285894	Soil	14	30	0.74	287	0.102	<1	2.00	0.014	0.07	0.2	0.06	5.7	0.2	<0.05	7	<0.5	<0.2
1285906	Soil	12	28	0.82	327	0.176	1	1.82	0.016	0.13	0.2	0.03	4.4	0.3	<0.05	7	<0.5	<0.2
1285890	Soil	10	28	0.81	237	0.130	<1	1.85	0.016	0.08	0.3	0.01	3.7	0.2	<0.05	6	<0.5	<0.2
1285920	Soil	22	30	0.62	325	0.114	2	1.85	0.014	0.06	0.2	0.05	5.2	0.2	<0.05	6	<0.5	<0.2
1285896	Soil	15	31	0.96	276	0.140	1	2.32	0.016	0.09	0.2	0.03	6.1	0.3	<0.05	8	<0.5	<0.2
1285909	Soil	15	31	0.71	320	0.148	<1	2.09	0.015	0.10	0.2	0.04	4.9	0.3	<0.05	6	0.5	<0.2
1285892	Soil	10	28	0.62	195	0.089	1	1.82	0.014	0.05	0.2	0.03	3.4	0.2	0.07	6	<0.5	<0.2
1285901	Rock Pulp	18	680	0.13	144	0.159	4	3.98	0.012	0.06	<0.1	0.02	39.7	0.1	<0.05	21	<0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

**Kaminak Gold Corporation**

1020 - 800 West Pender Street

Vancouver BC V6C 2V6 Canada

Project:

SUG

Report Date:

August 25, 2012

Page:

1 of 2

Part:

1 of 2

## QUALITY CONTROL REPORT

WHI12000689.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1294111	Soil	0.7	23.0	7.9	54	<0.1	58.5	19.3	498	3.53	4.3	1.1	8.1	5.9	41	<0.1	0.3	<0.1	68	1.09	0.060
REP 1294111	QC	0.7	21.8	7.9	54	<0.1	54.9	17.4	475	3.19	4.4	1.1	7.6	5.8	39	0.1	0.3	0.1	64	1.06	0.057
1297082	Soil	1.5	21.8	9.6	50	0.2	23.0	9.3	593	2.84	8.3	1.4	4.4	9.6	28	<0.1	0.6	0.2	71	0.39	0.035
REP 1297082	QC	1.4	21.7	9.4	46	0.2	20.1	9.3	540	2.68	8.1	1.4	2.0	9.3	27	0.1	0.6	0.2	68	0.38	0.034
1297098	Soil	0.4	20.1	8.1	63	0.2	17.0	11.0	303	2.36	7.5	1.8	4.5	6.4	22	0.2	0.6	0.1	67	0.37	0.068
REP 1297098	QC	0.5	21.5	8.3	64	0.1	17.5	11.6	309	2.47	7.9	1.9	4.0	6.5	24	0.1	0.6	0.1	70	0.38	0.073
1294014	Soil	1.1	19.3	7.7	65	0.1	16.5	14.5	609	3.12	64.6	2.5	5.8	5.8	22	0.1	14.7	0.1	91	0.35	0.065
REP 1294014	QC	1.1	20.1	7.7	65	0.1	16.7	14.8	636	3.28	65.2	2.4	6.1	5.7	22	0.1	14.6	0.1	94	0.36	0.066
1297295	Soil	1.0	20.6	7.9	34	<0.1	12.6	7.1	219	2.18	57.0	2.3	10.8	3.1	24	0.1	4.5	0.2	65	0.25	0.033
REP 1297295	QC	1.2	20.9	8.2	35	<0.1	12.3	7.3	222	2.10	57.4	2.2	15.4	3.2	24	<0.1	4.3	0.2	61	0.24	0.032
1294451	Rock Pulp	2.2	22.2	2.1	36	0.2	20.4	9.4	349	2.05	4.7	0.2	1.5	0.7	34	0.2	0.3	<0.1	49	0.63	0.054
REP 1294451	QC	2.2	22.0	2.0	37	0.2	20.7	9.7	360	2.12	4.4	0.2	2.1	0.7	34	0.1	0.3	<0.1	52	0.69	0.052
1294442	Soil	0.9	26.2	12.8	52	<0.1	69.2	20.2	733	4.00	8.9	1.7	<0.5	8.3	23	<0.1	0.3	0.2	70	0.42	0.056
REP 1294442	QC	1.1	25.8	13.0	52	0.1	69.1	19.5	776	3.90	8.6	1.7	4.6	9.0	23	<0.1	0.5	0.2	69	0.42	0.059
1285900	Soil	1.3	16.7	8.6	63	<0.1	17.9	12.3	308	3.52	52.5	1.0	5.7	5.9	15	0.2	2.9	0.2	94	0.17	0.028
REP 1285900	QC	1.1	16.8	8.5	59	<0.1	17.4	12.7	313	3.60	51.8	1.0	6.8	5.9	15	0.2	2.4	0.1	95	0.18	0.027
1285911	Soil	1.1	16.2	7.5	60	<0.1	14.0	12.5	383	3.69	36.6	1.9	3.9	4.9	25	0.1	1.1	0.2	101	0.35	0.065
REP 1285911	QC	1.3	17.0	7.8	60	<0.1	14.3	13.4	386	3.72	35.8	2.0	<0.5	5.0	25	0.2	1.2	0.2	104	0.38	0.065
1285892	Soil	0.9	12.5	7.6	58	0.2	14.9	10.2	345	2.78	24.5	1.1	3.7	3.0	21	0.1	1.8	<0.1	73	0.34	0.066
REP 1285892	QC	0.9	13.5	7.7	56	0.2	13.8	9.7	340	2.75	24.5	1.1	4.7	3.1	21	0.2	1.7	<0.1	71	0.31	0.067
Reference Materials																					
STD DS9	Standard	13.3	110.5	115.5	308	1.7	40.8	7.9	586	2.33	25.6	2.5	105.6	6.3	67	2.5	5.4	6.2	46	0.71	0.084
STD DS9	Standard	11.9	105.6	121.2	307	1.8	39.0	7.6	541	2.26	25.6	2.5	126.6	5.8	70	2.4	5.9	6.3	39	0.68	0.079
STD DS9	Standard	13.3	108.9	122.6	302	1.9	40.2	7.4	545	2.28	24.2	2.8	102.9	6.4	71	2.3	5.8	6.5	39	0.71	0.079
STD DS9	Standard	13.2	108.6	123.2	307	1.7	40.1	7.2	558	2.29	24.4	2.7	143.7	6.1	65	2.0	5.3	4.5	41	0.67	0.077
STD DS9	Standard	11.5	105.7	121.7	289	1.7	37.7	7.1	562	2.20	25.6	2.7	111.6	6.2	72	2.3	5.8	6.1	39	0.68	0.079
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

Client: **Kaminak Gold Corporation**  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Project: **SUG**  
Report Date: **August 25, 2012**

Page: 1 of 2

Part: 2 of 2

## QUALITY CONTROL REPORT

WHI12000689.1

Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1294111	Soil	29	129	1.46	266	0.134	2	2.06	0.010	0.28	<0.1	0.03	4.5	0.3	<0.05	7	<0.5	<0.2
REP 1294111	QC	28	124	1.42	258	0.130	1	1.98	0.010	0.27	0.1	0.02	4.5	0.3	<0.05	6	<0.5	<0.2
1297082	Soil	48	36	0.43	264	0.068	<1	1.69	0.011	0.07	0.2	0.03	4.2	<0.1	<0.05	7	<0.5	<0.2
REP 1297082	QC	47	34	0.42	254	0.065	1	1.68	0.011	0.07	0.2	0.03	4.1	0.1	<0.05	7	<0.5	<0.2
1297098	Soil	14	33	0.72	294	0.114	1	2.03	0.015	0.08	0.2	0.06	5.3	0.2	<0.05	6	<0.5	<0.2
REP 1297098	QC	14	34	0.78	302	0.118	2	2.21	0.016	0.08	0.2	0.06	5.4	0.2	<0.05	7	<0.5	<0.2
1294014	Soil	13	35	0.73	358	0.151	2	2.04	0.015	0.10	0.2	0.04	5.3	0.3	<0.05	7	<0.5	<0.2
REP 1294014	QC	13	37	0.76	356	0.153	1	2.08	0.015	0.10	0.1	0.04	5.5	0.3	0.06	7	<0.5	<0.2
1297295	Soil	24	23	0.42	326	0.082	1	1.62	0.015	0.05	0.1	0.03	4.1	0.2	<0.05	6	<0.5	<0.2
REP 1297295	QC	24	23	0.43	319	0.080	1	1.60	0.012	0.06	0.1	0.04	3.8	0.2	<0.05	6	<0.5	<0.2
1294451	Rock Pulp	3	26	0.66	81	0.082	1	1.22	0.068	0.10	11.4	<0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
REP 1294451	QC	3	27	0.68	83	0.088	2	1.26	0.070	0.10	11.3	<0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
1294442	Soil	21	93	1.09	242	0.103	2	2.09	0.011	0.15	0.1	0.04	5.9	0.3	<0.05	7	<0.5	<0.2
REP 1294442	QC	21	93	1.11	244	0.101	1	2.21	0.011	0.15	0.2	0.05	6.0	0.3	<0.05	7	<0.5	<0.2
1285900	Soil	10	33	0.71	148	0.133	1	2.75	0.013	0.06	0.2	0.05	4.6	0.2	<0.05	8	<0.5	<0.2
REP 1285900	QC	10	34	0.71	149	0.133	1	2.78	0.012	0.06	0.2	0.06	4.4	0.2	<0.05	8	<0.5	<0.2
1285911	Soil	14	29	0.73	321	0.168	3	1.87	0.016	0.08	0.2	0.02	4.3	0.3	<0.05	7	<0.5	<0.2
REP 1285911	QC	13	28	0.77	319	0.166	2	1.90	0.016	0.08	0.1	0.04	4.2	0.2	<0.05	7	<0.5	<0.2
1285892	Soil	10	28	0.62	195	0.089	1	1.82	0.014	0.05	0.2	0.03	3.4	0.2	0.07	6	<0.5	<0.2
REP 1285892	QC	9	23	0.59	187	0.087	<1	1.75	0.014	0.05	0.2	0.03	3.7	0.2	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	12	127	0.64	299	0.106	3	0.95	0.101	0.38	2.8	0.19	3.1	5.4	0.25	5	5.0	5.1
STD DS9	Standard	12	118	0.60	294	0.104	2	0.88	0.088	0.36	2.8	0.21	2.7	5.5	0.16	4	5.8	5.3
STD DS9	Standard	12	119	0.63	293	0.107	2	0.88	0.083	0.35	3.0	0.20	2.5	5.5	0.15	4	6.2	5.1
STD DS9	Standard	13	122	0.60	285	0.105	1	0.90	0.079	0.35	3.1	0.22	2.3	5.2	0.17	4	6.0	4.6
STD DS9	Standard	11	115	0.60	285	0.100	3	0.87	0.102	0.35	2.8	0.19	2.9	5.4	0.12	5	4.9	4.6
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Kaminak Gold Corporation  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

**Project:** SUG  
**Report Date:** August 25, 2012

**Page:** 2 of 2

**Part:** 1 of 2

## QUALITY CONTROL REPORT

WHI12000689.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001





1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Kaminak Gold Corporation  
1020 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

**Project:** SUG  
**Report Date:** August 25, 2012

**Page:** 2 of 2

**Part:** 2 of 2

## QUALITY CONTROL REPORT

WHI12000689.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2