



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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 15, 2012

Report Date: August 26, 2012

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CERTIFICATE OF ANALYSIS

WHI12000691.1

CLIENT JOB INFORMATION

Project: SUG
Shipment ID: 2012-SUG05
P.O. Number: KGC-12-1731
Number of Samples: 320

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	320	Dry at 60C			WHI
SS80	314	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	320	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.



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	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
1294243	Soil	1.2	44.7	14.4	151	<0.1	62.3	16.9	550	3.61	6.8	1.2	5.0	10.7	16	0.3	0.4	0.4	64	0.29	0.056
1294260	Soil	0.5	32.3	12.2	61	0.1	33.0	12.8	205	3.07	37.6	2.0	7.2	6.8	20	0.2	0.9	0.3	56	0.40	0.054
1289309	Soil	1.6	10.1	8.5	33	<0.1	12.0	5.3	232	2.77	8.1	0.5	5.7	3.7	7	<0.1	0.6	0.2	78	0.10	0.030
1289306	Soil	2.3	12.3	18.3	45	<0.1	14.0	8.3	428	2.57	13.0	0.8	2.2	13.5	12	<0.1	1.4	0.2	47	0.14	0.027
1294242	Soil	0.8	25.6	15.7	94	<0.1	41.1	16.2	611	3.59	6.6	0.9	2.7	12.0	14	0.1	0.3	0.2	50	0.33	0.072
1294237	Soil	2.2	10.5	19.9	46	<0.1	16.9	7.6	216	3.14	7.2	0.7	1.8	9.3	9	0.2	0.5	0.3	73	0.11	0.024
1289304	Soil	1.5	16.9	8.5	40	<0.1	22.0	9.9	377	2.98	10.3	0.7	3.5	8.7	16	<0.1	0.6	0.1	67	0.24	0.019
1289305	Soil	1.0	55.7	18.1	56	<0.1	85.3	31.4	586	5.42	3.0	1.3	<0.5	12.5	18	<0.1	0.2	0.2	171	0.27	0.022
1294239	Soil	1.0	19.1	10.4	76	<0.1	29.5	16.2	746	3.12	5.6	2.7	9.5	16.3	23	0.2	0.6	0.2	57	0.60	0.057
1294238	Soil	1.9	17.0	9.6	76	0.1	25.1	17.3	1165	3.06	5.3	2.4	3.2	10.5	26	0.2	0.4	0.2	59	0.70	0.062
1294259	Soil	0.6	16.8	9.3	54	<0.1	28.1	9.7	209	2.78	23.4	1.0	6.2	4.6	17	0.1	0.6	0.1	53	0.32	0.051
1289307	Soil	1.3	9.5	9.6	42	<0.1	8.1	4.6	791	1.91	6.4	0.4	1.5	1.4	8	0.1	0.4	0.2	65	0.10	0.036
1294241	Soil	1.0	33.8	12.5	81	<0.1	42.2	19.1	520	3.89	6.5	1.6	2.5	7.7	19	0.3	0.9	0.2	65	0.54	0.060
1294240	Soil	1.3	22.3	11.8	65	<0.1	27.9	15.5	501	3.12	5.4	1.8	26.3	12.2	17	<0.1	0.2	0.2	58	0.34	0.059
1294258	Soil	1.1	23.2	9.3	54	0.2	30.3	17.3	760	3.26	18.9	1.7	7.2	4.0	18	<0.1	0.6	0.2	60	0.29	0.061
1289308	Soil	0.8	9.5	7.6	18	<0.1	5.4	1.8	93	1.10	2.3	0.3	3.7	0.6	7	<0.1	0.3	0.2	38	0.07	0.020
1289266	Soil	1.0	11.6	11.2	57	<0.1	12.9	10.0	656	3.27	29.2	1.1	5.3	11.2	20	<0.1	0.5	0.2	60	0.30	0.045
1289265	Soil	0.7	14.7	9.6	65	<0.1	16.3	9.4	495	3.50	77.9	0.9	4.6	10.8	19	<0.1	0.5	<0.1	67	0.27	0.029
1289267	Soil	1.0	33.8	10.5	58	0.2	27.7	13.4	649	3.05	261.9	2.0	81.1	5.8	40	0.2	15.1	0.1	58	1.00	0.048
1289274	Soil	1.2	26.0	7.5	57	0.2	26.0	13.2	736	3.17	10.8	1.4	4.8	3.1	22	<0.1	1.4	0.1	80	0.50	0.032
1289283	Soil	0.6	28.5	15.6	69	<0.1	41.9	18.3	345	4.38	13.3	0.7	1.4	5.7	14	<0.1	0.3	0.7	66	0.30	0.025
1289270	Soil	1.8	51.9	7.8	61	0.5	40.6	12.9	540	2.84	36.8	2.9	13.9	3.1	42	0.1	4.0	0.2	59	1.18	0.070
1289272	Soil	1.8	16.6	9.1	51	0.3	19.5	10.5	375	3.21	27.9	0.5	<0.5	2.5	14	0.3	2.0	0.4	77	0.14	0.020
1289286	Soil	1.5	19.0	14.5	51	<0.1	22.3	10.8	399	2.76	7.6	0.8	2.3	4.9	13	<0.1	0.5	0.2	49	0.20	0.015
1289257	Soil	0.8	8.9	7.8	59	<0.1	10.5	7.3	275	2.56	35.6	2.4	6.3	7.4	22	0.2	0.7	0.1	57	0.31	0.055
1289262	Soil	1.2	19.6	9.5	62	0.2	19.8	11.1	512	3.21	53.0	1.5	5.0	9.4	21	0.1	1.2	0.1	62	0.45	0.039
1289268	Soil	2.4	46.7	11.1	96	0.2	39.9	13.0	621	3.29	129.3	1.5	22.3	3.5	38	0.7	8.5	0.1	78	1.06	0.062
1289258	Soil	1.4	9.5	11.4	82	<0.1	12.6	14.0	1010	3.89	27.3	1.5	1.4	11.0	17	0.1	1.1	0.2	86	0.26	0.054
1289284	Soil	0.7	41.7	15.2	82	<0.1	59.8	24.1	665	5.28	5.3	1.6	<0.5	12.4	13	0.1	0.2	0.2	57	0.41	0.070
1289259	Soil	0.9	11.3	13.2	77	0.2	14.9	11.9	990	3.23	135.9	6.2	15.4	16.7	28	0.2	0.5	0.1	62	0.41	0.069



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		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
1294243	Soil	21	82	1.20	155	0.118	2	1.97	0.009	0.33	0.1	0.02	4.2	0.3	<0.05	7	<0.5	<0.2
1294260	Soil	20	45	0.80	175	0.088	3	1.81	0.012	0.09	0.2	0.04	5.1	0.2	<0.05	5	<0.5	<0.2
1289309	Soil	8	25	0.29	83	0.070	<1	1.14	0.006	0.04	0.1	0.02	2.2	<0.1	<0.05	8	<0.5	<0.2
1289306	Soil	14	21	0.24	177	0.021	1	1.15	0.006	0.04	0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1294242	Soil	12	54	1.08	107	0.120	1	1.65	0.008	0.42	0.1	<0.01	3.8	0.4	<0.05	5	<0.5	<0.2
1294237	Soil	11	32	0.53	60	0.098	2	1.35	0.008	0.06	0.2	0.02	2.3	0.1	<0.05	7	<0.5	<0.2
1289304	Soil	11	40	0.54	211	0.058	1	1.80	0.009	0.06	0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
1289305	Soil	22	254	3.28	277	0.244	<1	4.31	0.016	0.39	0.3	0.01	8.1	0.6	<0.05	11	<0.5	<0.2
1294239	Soil	43	47	0.93	191	0.107	2	1.72	0.013	0.28	0.2	0.04	5.4	0.3	<0.05	5	<0.5	0.4
1294238	Soil	32	57	0.91	209	0.094	2	1.60	0.013	0.19	0.2	0.07	5.4	0.3	0.05	5	<0.5	<0.2
1294259	Soil	13	42	0.79	141	0.084	1	1.73	0.011	0.07	0.2	0.04	3.8	0.2	<0.05	5	<0.5	<0.2
1289307	Soil	8	20	0.18	82	0.048	<1	0.96	0.007	0.03	<0.1	0.03	1.6	<0.1	<0.05	7	<0.5	<0.2
1294241	Soil	26	94	1.51	225	0.100	2	2.10	0.010	0.42	0.1	0.06	7.6	0.4	<0.05	6	<0.5	<0.2
1294240	Soil	26	56	1.13	153	0.122	1	1.82	0.010	0.31	0.3	0.02	3.4	0.4	<0.05	5	<0.5	0.5
1294258	Soil	21	46	0.81	176	0.063	1	1.90	0.012	0.06	0.1	0.07	5.6	0.2	<0.05	5	<0.5	<0.2
1289308	Soil	5	14	0.07	68	0.044	<1	0.58	0.011	0.02	<0.1	0.02	0.9	<0.1	<0.05	5	<0.5	<0.2
1289266	Soil	23	22	0.51	321	0.070	<1	1.55	0.011	0.11	0.1	<0.01	4.3	0.2	<0.05	6	<0.5	<0.2
1289265	Soil	14	24	0.71	311	0.112	1	1.98	0.012	0.18	0.1	0.03	5.3	0.4	<0.05	7	<0.5	<0.2
1289267	Soil	23	48	0.71	278	0.054	1	1.65	0.018	0.06	0.1	0.06	6.5	0.1	<0.05	5	<0.5	<0.2
1289274	Soil	20	59	0.81	302	0.067	<1	2.07	0.019	0.06	<0.1	0.04	7.0	0.1	<0.05	6	<0.5	<0.2
1289283	Soil	8	68	1.31	166	0.154	<1	2.32	0.013	0.48	<0.1	<0.01	4.0	0.3	<0.05	8	<0.5	<0.2
1289270	Soil	26	46	0.62	1471	0.034	2	1.50	0.015	0.07	0.1	0.13	6.2	0.1	0.07	5	0.6	<0.2
1289272	Soil	7	33	0.41	524	0.040	<1	1.68	0.008	0.04	0.1	<0.01	3.7	0.2	<0.05	6	<0.5	<0.2
1289286	Soil	8	40	0.65	149	0.067	<1	1.86	0.008	0.09	0.1	0.01	2.2	0.2	<0.05	6	<0.5	<0.2
1289257	Soil	20	20	0.54	222	0.107	1	1.46	0.018	0.09	0.1	0.05	4.2	0.3	<0.05	6	<0.5	<0.2
1289262	Soil	22	36	0.60	358	0.094	<1	1.50	0.013	0.16	0.2	0.03	4.9	0.3	<0.05	6	<0.5	<0.2
1289268	Soil	31	60	0.60	2540	0.070	<1	1.65	0.014	0.06	0.3	0.06	6.5	0.1	0.09	6	<0.5	<0.2
1289258	Soil	17	25	0.69	271	0.149	1	1.80	0.015	0.18	0.2	0.02	5.7	0.4	<0.05	9	<0.5	<0.2
1289284	Soil	20	69	2.13	208	0.173	<1	3.22	0.013	0.90	<0.1	<0.01	4.0	0.6	<0.05	10	<0.5	<0.2
1289259	Soil	55	24	0.58	308	0.093	1	1.63	0.015	0.10	0.2	0.08	7.4	0.3	<0.05	6	<0.5	<0.2



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		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
1289269	Soil	1.3	56.3	7.8	53	0.3	35.9	12.2	450	2.52	24.6	2.7	5.6	2.1	39	0.3	2.5	<0.1	54	1.08	0.052
1289260	Soil	1.2	10.2	12.2	86	0.1	14.6	11.7	1431	3.74	381.2	3.6	61.0	14.9	19	0.3	1.5	<0.1	68	0.34	0.074
1289285	Soil	1.1	31.3	5.6	44	<0.1	11.7	5.7	341	2.56	3.9	0.4	<0.5	1.7	9	<0.1	0.3	0.1	57	0.10	0.022
1289281	Soil	1.0	18.2	8.4	47	<0.1	27.0	9.8	347	2.33	7.6	1.3	2.8	6.5	32	0.1	0.4	0.1	48	0.89	0.035
1289287	Soil	0.9	23.6	8.3	60	<0.1	28.2	9.3	400	2.64	5.3	0.9	0.5	4.1	15	0.1	0.2	<0.1	44	0.23	0.018
1289279	Soil	1.0	27.6	6.9	69	<0.1	26.6	15.8	641	3.52	7.5	1.0	6.5	7.5	21	0.1	0.8	0.1	85	0.59	0.040
1289261	Soil	0.9	7.0	5.8	46	<0.1	6.2	9.3	457	2.87	99.3	1.0	7.7	7.7	15	<0.1	5.7	0.2	83	0.42	0.061
1289278	Soil	1.8	31.3	10.1	63	0.2	26.8	13.5	974	2.81	12.3	1.5	1.6	4.1	36	0.6	1.0	0.2	69	0.78	0.057
1289263	Soil	0.8	19.1	9.7	60	0.1	21.0	11.0	593	2.69	35.2	1.8	7.1	9.6	38	0.1	1.5	0.2	54	1.17	0.047
1289277	Soil	1.4	17.0	7.3	66	<0.1	21.3	12.0	432	2.94	9.8	0.3	1.2	1.5	17	0.3	0.7	0.1	71	0.23	0.030
1294060	Soil	0.8	24.7	8.8	64	0.2	30.3	10.2	293	2.28	11.9	0.7	5.3	2.2	20	0.2	0.5	<0.1	58	0.36	0.061
1289273	Soil	1.5	15.8	7.9	49	0.1	19.0	8.4	318	2.95	13.5	0.4	3.5	2.0	19	0.2	1.0	0.1	70	0.31	0.035
1289280	Soil	1.1	23.0	7.7	70	<0.1	27.2	10.3	663	3.19	5.1	1.9	14.7	10.7	31	<0.1	0.8	0.1	51	0.92	0.076
1289264	Soil	1.1	15.6	9.7	56	0.1	17.0	9.0	410	2.99	44.9	1.1	5.0	9.2	27	0.1	1.1	0.2	65	0.50	0.040
1294059	Soil	1.1	39.1	8.0	89	0.2	40.5	10.5	383	2.48	38.4	1.0	6.8	2.6	21	0.5	2.2	<0.1	60	0.35	0.063
1289288	Soil	1.3	18.9	6.6	51	<0.1	17.5	9.4	372	2.71	6.0	0.7	1.6	4.1	16	<0.1	1.1	0.1	50	0.23	0.028
1289282	Soil	1.0	22.6	9.5	62	<0.1	34.3	14.5	303	3.41	11.5	1.1	4.7	7.8	20	<0.1	0.3	0.4	58	0.38	0.038
1289271	Soil	1.4	14.2	8.0	59	<0.1	19.3	10.2	296	2.84	15.6	0.4	2.6	2.1	22	0.3	1.2	0.1	68	0.35	0.021
1294067	Soil	1.0	19.8	7.4	40	0.2	19.3	6.6	184	2.27	11.5	1.2	3.4	3.4	17	<0.1	0.4	0.2	49	0.24	0.043
1294066	Soil	0.9	15.6	6.4	46	0.1	17.8	10.5	332	2.40	11.0	0.6	4.0	3.0	18	<0.1	0.5	0.1	58	0.26	0.043
1294064	Soil	0.6	28.4	9.5	51	0.1	29.5	12.7	310	2.32	15.9	0.8	17.0	2.6	22	<0.1	0.5	0.1	56	0.44	0.043
1294062	Soil	0.8	25.5	5.9	44	<0.1	30.4	11.4	283	2.11	6.7	0.4	3.8	1.9	17	<0.1	0.4	<0.1	53	0.34	0.034
1294088	Soil	3.6	14.9	10.8	45	<0.1	22.3	9.5	356	3.07	8.1	0.9	1.1	9.2	13	0.1	0.6	0.2	81	0.17	0.031
1294065	Soil	0.7	30.1	9.8	58	0.1	24.4	10.9	331	2.34	10.3	1.1	4.0	4.1	25	0.3	0.6	0.1	55	0.38	0.044
1294063	Soil	0.5	34.9	5.1	54	0.1	27.5	11.5	316	2.27	6.5	0.7	3.1	2.4	20	0.1	0.4	<0.1	52	0.37	0.043
1294061	Soil	1.0	23.2	6.0	50	0.1	22.8	13.6	621	2.13	5.7	0.3	<0.5	1.3	15	0.2	0.4	<0.1	59	0.24	0.028
1294084	Soil	0.9	18.9	10.6	79	<0.1	34.9	15.4	954	3.09	4.4	0.7	1.9	4.8	28	0.2	0.2	0.1	59	0.52	0.072
1294085	Soil	1.1	14.2	12.6	44	<0.1	21.1	8.7	329	2.70	5.7	0.9	1.1	5.5	14	0.1	0.4	0.2	52	0.19	0.044
1294078	Soil	1.0	25.1	6.6	73	<0.1	30.3	18.2	663	3.91	13.5	1.7	2.9	7.0	27	0.1	0.3	0.1	87	0.69	0.080
1294077	Soil	1.0	26.3	7.9	72	<0.1	31.0	17.9	587	3.51	5.3	2.1	2.4	7.5	44	0.1	0.6	0.1	81	1.14	0.065



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

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	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
1289269	Soil	16	49	0.64	1163	0.043	<1	1.43	0.017	0.05	0.1	0.07	5.4	<0.1	0.05	5	0.7	<0.2
1289260	Soil	29	23	0.59	284	0.103	<1	1.53	0.017	0.14	0.3	0.02	6.0	0.4	<0.05	6	<0.5	<0.2
1289285	Soil	4	28	0.87	111	0.067	<1	1.42	0.010	0.17	<0.1	0.01	4.0	0.1	0.07	6	<0.5	<0.2
1289281	Soil	18	41	0.61	380	0.055	<1	1.50	0.012	0.07	<0.1	0.04	4.2	<0.1	0.05	5	<0.5	<0.2
1289287	Soil	7	47	1.24	79	0.109	<1	1.98	0.009	0.12	0.1	0.01	1.8	0.2	<0.05	5	<0.5	<0.2
1289279	Soil	16	53	1.51	226	0.131	1	2.05	0.014	0.19	<0.1	0.02	5.2	0.2	<0.05	7	<0.5	<0.2
1289261	Soil	12	18	0.55	173	0.124	2	1.16	0.015	0.17	0.5	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
1289278	Soil	19	48	0.61	396	0.064	1	2.04	0.014	0.10	0.1	0.09	6.2	0.1	<0.05	7	1.1	<0.2
1289263	Soil	26	33	0.59	351	0.075	3	1.41	0.014	0.14	0.2	0.08	5.5	0.2	<0.05	5	1.3	<0.2
1289277	Soil	6	38	0.45	210	0.063	2	1.73	0.012	0.06	0.1	0.01	2.6	0.1	<0.05	6	0.6	<0.2
1294060	Soil	8	63	0.79	337	0.075	1	1.59	0.011	0.10	0.2	0.03	4.2	0.1	<0.05	5	1.1	<0.2
1289273	Soil	7	31	0.50	279	0.068	2	1.86	0.010	0.09	0.1	0.02	3.3	<0.1	<0.05	7	<0.5	<0.2
1289280	Soil	58	49	0.87	306	0.091	<1	1.66	0.015	0.27	0.1	0.07	9.1	0.2	<0.05	6	<0.5	<0.2
1289264	Soil	21	28	0.62	344	0.087	<1	1.68	0.014	0.10	0.2	0.02	4.9	0.2	<0.05	7	<0.5	<0.2
1294059	Soil	9	62	0.73	327	0.073	<1	1.43	0.011	0.09	0.1	0.03	4.2	0.2	<0.05	5	<0.5	<0.2
1289288	Soil	8	25	0.94	129	0.085	<1	2.02	0.008	0.16	<0.1	<0.01	3.1	0.2	<0.05	6	<0.5	<0.2
1289282	Soil	23	53	1.02	134	0.110	1	1.90	0.012	0.17	0.1	0.02	4.6	0.2	<0.05	6	<0.5	<0.2
1289271	Soil	7	32	0.50	453	0.061	2	1.97	0.009	0.09	0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
1294067	Soil	25	38	0.55	177	0.053	<1	1.88	0.013	0.07	<0.1	0.04	4.3	0.1	<0.05	7	0.7	<0.2
1294066	Soil	9	32	0.79	144	0.074	1	1.66	0.012	0.06	0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
1294064	Soil	14	54	0.86	156	0.069	2	1.67	0.014	0.05	0.1	0.04	4.9	<0.1	<0.05	5	<0.5	<0.2
1294062	Soil	6	61	0.82	119	0.073	<1	1.55	0.012	0.05	0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
1294088	Soil	15	46	0.69	71	0.120	2	1.69	0.009	0.10	0.3	0.02	3.5	0.2	<0.05	7	<0.5	<0.2
1294065	Soil	15	38	0.71	222	0.073	1	1.62	0.013	0.05	0.2	0.04	5.7	<0.1	<0.05	5	<0.5	<0.2
1294063	Soil	10	50	0.76	169	0.072	1	1.53	0.013	0.09	0.1	0.05	4.6	<0.1	<0.05	4	0.5	<0.2
1294061	Soil	6	50	0.63	116	0.078	1	1.34	0.014	0.10	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1294084	Soil	14	61	1.22	231	0.151	1	2.00	0.012	0.34	0.1	0.02	2.8	0.3	<0.05	7	<0.5	<0.2
1294085	Soil	13	29	0.62	146	0.098	2	1.67	0.007	0.27	0.1	0.01	2.9	0.3	<0.05	7	<0.5	<0.2
1294078	Soil	24	55	1.57	299	0.152	<1	2.24	0.010	0.50	0.2	0.03	5.6	0.4	<0.05	8	<0.5	<0.2
1294077	Soil	49	59	1.21	308	0.105	2	1.82	0.012	0.19	0.1	0.05	7.6	0.2	<0.05	7	<0.5	<0.2



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

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	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
1294082	Soil	0.7	70.6	47.3	420	0.2	43.3	16.2	663	2.86	5.4	2.4	3.8	6.1	34	0.8	0.4	0.5	62	1.09
1294089	Soil	1.3	20.6	7.9	51	<0.1	27.8	13.3	469	2.93	5.8	1.2	<0.5	10.3	21	<0.1	0.4	0.1	64	0.37
1294086	Soil	0.7	27.3	6.9	36	<0.1	31.2	9.5	202	2.09	6.1	0.6	1.9	2.7	16	<0.1	0.3	<0.1	47	0.23
1294087	Soil	1.0	22.5	6.3	52	<0.1	21.7	15.1	416	3.79	6.1	0.6	3.1	4.3	11	0.1	0.3	0.5	77	0.16
1294073	Soil	0.5	32.2	7.6	67	<0.1	87.1	19.1	549	3.28	9.3	2.4	2.0	11.7	51	0.1	0.6	<0.1	60	1.47
1294069	Soil	1.7	18.1	8.6	52	<0.1	18.9	10.6	450	4.09	9.7	0.8	1.6	5.2	10	<0.1	0.6	0.1	79	0.14
1294079	Soil	1.0	23.3	7.2	58	0.1	21.4	12.4	392	2.76	4.3	1.9	3.8	4.8	39	0.1	0.3	0.2	63	1.08
1294081	Soil	1.0	32.8	11.1	128	<0.1	40.9	14.6	490	3.42	5.4	1.2	11.1	9.5	25	0.2	0.3	0.1	72	0.59
1289355	Soil	0.8	15.2	8.6	68	<0.1	14.4	12.3	508	2.84	25.5	2.2	6.5	5.8	23	0.1	2.8	<0.1	72	0.36
1294083	Soil	1.3	33.9	14.0	162	<0.1	27.0	16.7	529	3.54	7.9	0.7	0.7	8.4	18	0.3	0.4	0.3	81	0.33
1294068	Soil	1.2	12.2	6.5	40	<0.1	12.6	7.3	370	2.48	6.6	0.7	4.8	3.5	11	<0.1	0.5	0.1	65	0.14
1294080	Soil	0.9	27.9	9.7	78	<0.1	34.1	15.0	570	3.04	6.0	1.3	3.7	6.5	28	0.2	0.4	0.1	66	0.60
1289352	Soil	0.4	18.3	8.4	59	<0.1	17.4	11.0	237	3.01	76.1	2.2	11.0	6.2	24	<0.1	3.9	0.3	74	0.31
1294075	Soil	0.9	29.0	8.7	71	<0.1	32.9	18.2	657	3.76	6.0	1.8	4.9	12.2	33	0.1	0.6	0.3	74	0.87
1294071	Soil	0.9	14.1	11.5	66	0.1	20.3	10.6	397	2.59	6.9	1.2	9.1	6.2	21	<0.1	0.3	0.2	52	0.37
1294070	Soil	1.2	28.2	10.5	67	0.1	25.1	15.0	847	3.56	8.6	2.2	4.8	8.0	23	0.2	0.5	0.2	67	0.41
1289358	Soil	0.9	19.0	6.7	53	<0.1	10.1	12.0	635	3.33	91.1	1.1	14.5	4.2	19	<0.1	4.0	<0.1	76	0.30
1294076	Soil	0.9	29.3	8.5	71	0.1	32.3	17.3	619	3.79	5.6	1.8	4.9	11.4	34	0.1	0.6	0.2	72	0.89
1294074	Soil	0.8	30.0	7.7	62	<0.1	32.7	16.2	729	3.21	7.9	1.7	3.6	8.8	43	0.1	0.6	<0.1	61	1.01
1294072	Soil	0.3	8.1	7.9	56	<0.1	12.6	4.7	227	1.82	5.0	0.7	3.3	3.2	20	0.1	0.3	<0.1	33	0.37
1294537	Soil	0.5	24.2	12.4	49	<0.1	23.8	16.7	324	3.75	7.5	0.7	5.8	2.6	24	<0.1	0.6	<0.1	85	0.51
1294532	Soil	0.8	27.7	10.1	57	<0.1	27.0	16.3	393	3.61	8.8	1.7	6.6	3.8	21	0.1	0.9	<0.1	80	0.38
1285200	Soil	0.7	19.0	10.7	64	0.1	16.5	11.9	353	2.63	11.1	2.1	5.9	7.0	25	<0.1	1.9	<0.1	87	0.37
1285182	Soil	1.0	23.5	12.0	68	0.2	17.6	15.2	458	4.26	56.8	2.6	15.7	7.5	26	0.2	1.7	0.1	107	0.36
1294536	Soil	0.6	19.1	5.5	49	<0.1	23.8	17.4	318	3.86	6.6	0.6	3.6	2.4	23	<0.1	0.7	<0.1	91	0.44
1294533	Soil	0.7	32.7	9.9	58	0.1	30.1	23.0	548	4.80	10.8	1.0	35.5	4.2	26	<0.1	1.2	<0.1	106	0.52
1285197	Soil	0.4	16.8	8.5	58	<0.1	17.0	10.1	355	2.64	19.9	1.9	5.2	7.0	26	0.2	1.3	<0.1	81	0.40
1285193	Soil	0.7	18.6	8.1	51	<0.1	16.5	9.5	195	2.92	18.2	2.1	3.5	5.1	21	0.2	0.9	<0.1	68	0.29
1294548	Soil	1.1	15.1	8.6	56	<0.1	21.7	12.2	545	2.56	6.1	1.8	16.9	9.6	25	0.2	0.4	<0.1	56	0.43
1294534	Soil	0.6	27.8	5.5	58	<0.1	28.2	17.0	403	3.64	5.1	0.9	18.5	4.2	27	<0.1	0.5	<0.1	85	0.51



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		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
1294082	Soil	36	77	1.14	291	0.111	1	1.79	0.015	0.19	<0.1	0.07	5.5	0.2	<0.05	6	0.9	<0.2
1294089	Soil	27	47	0.94	158	0.125	2	1.91	0.012	0.18	0.2	0.02	4.5	0.2	<0.05	6	<0.5	<0.2
1294086	Soil	8	61	0.78	128	0.090	1	1.69	0.009	0.06	0.1	<0.01	2.6	0.2	<0.05	6	<0.5	<0.2
1294087	Soil	9	47	1.45	143	0.152	2	2.56	0.008	0.35	0.1	0.02	4.3	0.3	<0.05	8	<0.5	<0.2
1294073	Soil	57	195	1.72	340	0.106	2	2.21	0.011	0.38	0.2	0.05	5.8	0.4	<0.05	7	0.6	<0.2
1294069	Soil	7	34	0.83	76	0.133	1	2.10	0.009	0.13	0.1	0.02	4.2	0.1	<0.05	9	<0.5	<0.2
1294079	Soil	16	33	0.82	234	0.114	2	1.60	0.013	0.19	0.2	0.04	4.2	0.2	<0.05	6	0.7	<0.2
1294081	Soil	28	73	1.36	216	0.139	1	2.05	0.012	0.36	0.2	0.03	5.9	0.3	<0.05	6	0.6	<0.2
1289355	Soil	14	32	0.74	280	0.101	1	1.91	0.012	0.07	0.2	0.05	5.6	0.3	<0.05	7	<0.5	<0.2
1294083	Soil	11	40	1.12	206	0.122	<1	2.38	0.008	0.20	0.1	<0.01	3.7	0.2	<0.05	7	<0.5	<0.2
1294068	Soil	12	21	0.60	81	0.085	1	1.41	0.010	0.09	0.1	0.03	3.5	<0.1	<0.05	8	<0.5	<0.2
1294080	Soil	20	60	1.06	237	0.119	1	1.86	0.012	0.18	0.2	0.04	5.2	0.2	<0.05	6	<0.5	<0.2
1289352	Soil	15	31	0.67	317	0.091	4	1.73	0.012	0.07	0.2	0.05	5.8	0.2	<0.05	6	<0.5	<0.2
1294075	Soil	44	57	1.32	341	0.110	2	1.92	0.011	0.35	0.2	0.05	8.3	0.3	<0.05	7	0.6	<0.2
1294071	Soil	17	36	0.87	139	0.082	4	1.71	0.013	0.09	0.2	0.03	4.4	0.2	<0.05	6	0.5	<0.2
1294070	Soil	34	44	1.05	187	0.089	3	2.01	0.013	0.13	0.2	0.04	6.5	0.2	<0.05	7	0.9	<0.2
1289358	Soil	13	22	0.63	192	0.060	4	1.97	0.015	0.06	0.2	0.04	6.1	0.1	<0.05	7	<0.5	<0.2
1294076	Soil	45	57	1.32	334	0.111	3	1.96	0.012	0.35	0.2	0.03	7.7	0.3	<0.05	7	<0.5	<0.2
1294074	Soil	39	52	1.11	327	0.099	2	1.75	0.013	0.22	0.1	0.05	5.8	0.3	<0.05	6	<0.5	<0.2
1294072	Soil	10	26	0.74	102	0.086	2	1.36	0.010	0.07	0.2	0.02	2.9	0.1	<0.05	5	0.5	<0.2
1294537	Soil	8	39	1.32	274	0.141	2	2.12	0.013	0.26	0.1	0.03	5.2	0.2	<0.05	7	<0.5	<0.2
1294532	Soil	12	44	0.96	243	0.102	2	2.07	0.012	0.10	0.1	0.07	6.0	0.2	<0.05	7	<0.5	<0.2
1285200	Soil	16	34	0.71	342	0.111	3	1.87	0.015	0.11	0.2	0.06	7.1	0.6	<0.05	6	<0.5	<0.2
1285182	Soil	17	36	0.84	429	0.170	3	2.13	0.014	0.14	0.2	0.07	8.0	0.4	<0.05	7	0.8	<0.2
1294536	Soil	6	44	1.45	226	0.137	2	2.32	0.011	0.27	0.1	0.05	4.8	0.2	<0.05	7	<0.5	<0.2
1294533	Soil	15	50	1.65	297	0.140	3	2.59	0.011	0.31	0.1	0.06	8.5	0.3	<0.05	9	<0.5	<0.2
1285197	Soil	14	33	0.69	261	0.135	2	1.86	0.015	0.09	0.2	0.04	5.1	0.2	<0.05	6	0.5	<0.2
1285193	Soil	18	31	0.63	201	0.084	3	1.89	0.012	0.05	0.2	0.04	5.0	0.1	<0.05	6	<0.5	<0.2
1294548	Soil	31	41	0.66	192	0.080	2	1.63	0.010	0.11	0.2	0.04	5.0	0.2	<0.05	5	<0.5	<0.2
1294534	Soil	13	48	1.41	315	0.146	3	2.25	0.013	0.41	<0.1	0.04	6.7	0.3	<0.05	7	<0.5	0.3



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

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

Project: **SUG**
Report Date: **August 26, 2012**

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	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
1289356	Soil	1.1	14.5	7.7	72	<0.1	12.9	15.1	806	3.12	33.9	1.1	6.6	5.3	21	0.1	2.1	<0.1	74	0.30
1285195	Soil	0.6	24.6	10.0	61	0.1	18.3	13.0	263	3.06	28.9	2.2	3.9	8.4	26	0.1	1.4	<0.1	81	0.37
1294528	Soil	0.8	13.3	4.7	57	<0.1	18.1	13.0	522	2.85	5.3	0.5	<0.5	3.8	10	<0.1	0.3	<0.1	54	0.15
1294535	Soil	0.7	30.5	5.1	55	<0.1	34.2	21.8	395	4.44	13.7	1.1	23.4	5.1	23	<0.1	0.9	<0.1	104	0.47
1294531	Soil	0.6	32.3	8.5	75	0.1	48.4	22.7	575	4.03	7.1	1.3	5.2	6.5	41	<0.1	0.6	0.2	79	0.83
1285175	Soil	0.6	23.8	7.6	69	0.2	17.0	11.3	302	2.97	29.3	3.4	7.2	8.2	26	0.3	1.0	<0.1	78	0.38
1294540	Soil	0.8	17.7	11.6	89	<0.1	31.1	23.6	1031	4.60	4.7	0.8	4.4	7.0	29	<0.1	0.8	<0.1	105	0.56
1294529	Soil	0.4	28.9	10.6	57	<0.1	43.6	18.4	358	3.28	6.6	0.7	2.5	4.2	59	0.2	0.4	<0.1	52	1.57
1294519	Soil	0.7	32.5	5.5	43	<0.1	27.1	10.3	293	2.38	6.7	0.5	3.5	1.9	19	<0.1	0.4	<0.1	66	0.25
1294527	Soil	0.8	24.8	10.5	73	<0.1	22.2	15.5	695	3.48	7.9	0.8	2.4	4.1	16	0.1	0.7	0.1	62	0.25
1294542	Soil	1.1	20.2	8.9	65	0.2	24.7	9.8	453	2.41	3.6	2.1	2.4	3.6	27	0.1	0.4	<0.1	49	0.39
1294526	Soil	1.0	14.7	8.9	51	<0.1	16.4	8.2	343	2.71	8.6	0.7	2.8	3.4	13	<0.1	0.6	<0.1	58	0.15
1294521	Soil	1.0	25.1	5.9	54	0.2	29.8	10.6	538	3.03	58.5	0.6	11.2	4.8	12	0.2	0.8	0.3	67	0.18
1294520	Soil	0.8	28.4	5.4	51	<0.1	21.6	10.6	375	2.72	9.1	0.5	3.5	3.0	16	0.2	0.5	0.1	68	0.22
1294544	Soil	0.6	27.2	5.1	54	<0.1	21.8	14.8	542	2.75	5.1	0.6	1.9	4.2	19	<0.1	0.3	0.2	62	0.36
1294530	Soil	0.4	35.4	12.2	66	<0.1	47.8	17.4	626	3.23	12.0	1.2	2.0	6.1	55	0.2	0.9	0.2	58	1.31
1294523	Soil	0.6	25.0	9.1	67	<0.1	95.9	13.9	402	3.05	35.9	1.3	5.6	6.4	22	<0.1	1.3	<0.1	53	0.44
1294522	Soil	1.0	30.9	9.4	56	0.1	21.5	10.2	470	2.84	13.2	1.2	7.0	6.0	18	<0.1	0.6	0.4	61	0.28
1294546	Soil	1.1	16.5	7.8	60	0.1	28.7	12.3	421	2.66	4.6	2.1	7.0	9.1	25	0.2	0.5	0.2	57	0.58
1294538	Soil	0.7	24.7	7.5	57	<0.1	53.8	24.9	875	3.93	5.4	0.9	14.4	3.3	19	<0.1	0.5	<0.1	93	0.44
1294525	Soil	1.2	13.0	8.8	49	<0.1	16.4	7.9	343	3.02	8.1	0.6	2.2	3.0	11	<0.1	0.5	0.1	63	0.15
1294524	Soil	1.6	20.7	14.1	46	<0.1	19.1	7.9	253	3.01	19.8	0.6	8.0	3.6	13	0.1	0.5	0.3	68	0.18
1289893	Soil	0.5	15.9	8.6	56	<0.1	17.0	11.5	528	2.82	25.5	1.3	5.5	5.9	16	0.1	1.0	0.1	87	0.31
1289897	Soil	0.5	11.6	8.6	64	0.2	13.9	8.2	231	3.02	82.6	1.6	7.6	5.0	18	<0.1	2.1	0.1	88	0.33
1294547	Soil	1.2	13.5	8.4	55	<0.1	23.2	15.0	493	3.04	5.9	1.3	5.2	8.7	18	<0.1	0.4	0.2	61	0.36
1294539	Soil	1.1	13.4	9.2	84	<0.1	31.8	17.0	572	4.44	6.5	0.5	2.7	3.6	22	<0.1	0.8	0.2	102	0.50
1289894	Soil	0.4	12.2	7.8	58	0.1	14.7	9.5	279	2.38	14.2	1.3	5.2	4.9	19	0.1	1.3	<0.1	72	0.35
1289899	Soil	0.4	13.0	7.7	58	<0.1	12.6	8.6	256	2.83	59.9	1.8	9.6	5.2	16	0.1	2.2	0.1	94	0.31
1289898	Soil	0.7	12.3	11.3	69	0.2	13.2	13.4	665	2.99	35.5	1.6	6.6	5.4	19	0.2	2.9	0.1	94	0.36
1294541	Soil	1.3	12.7	9.6	75	0.1	25.4	42.3	1767	4.23	5.2	1.1	5.1	7.8	20	<0.1	0.4	0.1	94	0.39



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		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
1289356	Soil	10	27	0.72	202	0.108	2	1.68	0.012	0.06	0.2	0.02	3.7	0.2	<0.05	6	<0.5
1285195	Soil	16	35	0.73	247	0.134	3	2.14	0.014	0.08	0.2	0.04	5.7	0.2	<0.05	6	<0.5
1294528	Soil	5	59	1.36	81	0.133	2	2.29	0.007	0.29	0.1	0.01	2.2	0.3	<0.05	5	<0.5
1294535	Soil	15	57	1.73	241	0.163	2	2.64	0.011	0.45	0.1	0.03	6.1	0.3	<0.05	8	<0.5
1294531	Soil	23	90	1.92	325	0.164	3	2.58	0.016	0.35	0.1	0.04	6.4	0.4	<0.05	7	0.5
1285175	Soil	17	35	0.82	423	0.164	2	1.88	0.015	0.18	0.2	0.04	6.8	0.5	<0.05	6	<0.5
1294540	Soil	17	59	1.82	299	0.181	2	2.59	0.009	0.64	0.1	0.02	5.9	0.4	<0.05	8	0.6
1294529	Soil	14	58	1.17	177	0.115	3	1.81	0.014	0.11	0.1	0.04	4.6	0.2	0.05	5	<0.5
1294519	Soil	9	46	0.68	136	0.077	2	1.62	0.013	0.04	0.1	0.01	3.6	<0.1	<0.05	5	<0.5
1294527	Soil	13	47	1.22	126	0.118	1	2.14	0.009	0.30	0.1	0.02	4.7	0.3	<0.05	7	<0.5
1294542	Soil	28	47	0.81	223	0.069	2	1.55	0.012	0.18	<0.1	0.05	4.4	0.2	<0.05	5	0.6
1294526	Soil	10	27	0.56	104	0.073	<1	1.86	0.007	0.05	0.1	0.03	2.9	0.1	<0.05	6	<0.5
1294521	Soil	24	55	0.97	125	0.119	2	1.81	0.009	0.15	0.1	0.01	4.8	0.1	<0.05	7	<0.5
1294520	Soil	11	38	0.74	168	0.096	1	1.71	0.010	0.07	0.1	<0.01	3.3	<0.1	<0.05	6	<0.5
1294544	Soil	9	50	1.21	156	0.096	1	1.79	0.011	0.20	0.1	<0.01	4.1	0.2	<0.05	5	<0.5
1294530	Soil	25	83	1.18	183	0.083	3	1.98	0.012	0.10	0.1	0.06	5.6	0.2	<0.05	6	<0.5
1294523	Soil	31	138	1.45	178	0.115	<1	1.97	0.010	0.25	0.1	0.02	4.3	0.3	<0.05	6	<0.5
1294522	Soil	26	35	0.71	153	0.087	2	1.85	0.011	0.09	0.3	0.02	4.4	0.1	<0.05	7	<0.5
1294546	Soil	48	50	0.72	206	0.075	2	1.82	0.011	0.12	0.1	0.05	5.9	0.2	<0.05	6	<0.5
1294538	Soil	10	105	1.75	197	0.129	1	2.51	0.012	0.18	0.1	0.03	5.1	0.3	<0.05	7	<0.5
1294525	Soil	9	29	0.59	93	0.071	1	1.84	0.008	0.06	0.1	0.03	3.0	0.2	<0.05	7	<0.5
1294524	Soil	15	32	0.49	108	0.043	<1	1.64	0.007	0.04	0.2	0.02	3.0	<0.1	<0.05	7	<0.5
1289893	Soil	12	35	0.69	237	0.124	2	1.93	0.013	0.08	0.2	0.04	5.0	0.3	<0.05	6	<0.5
1289897	Soil	10	32	0.67	239	0.133	2	1.77	0.015	0.09	0.2	0.05	4.4	0.3	<0.05	6	<0.5
1294547	Soil	21	45	0.73	169	0.079	2	1.79	0.011	0.14	0.2	0.04	4.9	0.2	<0.05	6	<0.5
1294539	Soil	10	61	1.40	222	0.128	1	2.19	0.009	0.32	0.1	0.04	5.0	0.3	<0.05	8	<0.5
1289894	Soil	12	33	0.69	284	0.114	1	1.86	0.014	0.06	0.2	0.06	4.8	0.2	<0.05	6	<0.5
1289899	Soil	11	32	0.67	222	0.132	1	1.90	0.014	0.10	0.2	0.05	4.1	0.3	<0.05	6	<0.5
1289898	Soil	10	32	0.69	248	0.138	1	1.90	0.015	0.12	0.1	0.05	4.2	0.3	<0.05	6	<0.5
1294541	Soil	20	50	1.25	217	0.149	1	2.29	0.010	0.39	0.2	0.04	5.0	0.4	<0.05	8	<0.5



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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

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		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
1289907	Soil	0.7	11.0	6.8	59	0.1	10.4	9.0	296	2.43	21.5	1.1	3.5	2.4	19	0.1	1.6	<0.1	60	0.29
1289895	Soil	0.4	15.1	7.5	67	0.1	16.5	10.9	260	2.91	36.4	1.3	6.0	6.2	16	0.1	2.1	0.1	84	0.33
1289902	Soil	0.8	12.0	6.4	63	0.1	11.4	12.8	895	2.89	33.5	1.2	6.7	4.1	18	<0.1	1.9	<0.1	84	0.31
1294543	Soil	0.1	53.6	2.6	59	<0.1	17.9	23.5	491	4.04	2.0	0.2	1.3	1.6	9	<0.1	<0.1	<0.1	133	0.32
1289904	Soil	0.7	12.9	6.1	60	0.1	9.7	9.0	235	2.81	21.2	0.8	3.4	2.5	19	<0.1	1.3	<0.1	70	0.31
1289896	Soil	0.3	13.8	8.5	64	0.1	14.5	7.4	193	1.95	12.1	1.6	5.9	4.6	18	0.2	2.3	<0.1	62	0.31
1289900	Soil	1.2	12.8	6.9	68	<0.1	11.9	20.9	2197	3.80	43.6	1.1	3.7	5.5	16	<0.1	1.9	0.2	103	0.28
1294545	Soil	1.6	16.8	8.5	59	0.1	30.3	12.2	478	2.72	5.3	1.7	6.8	8.9	33	0.2	0.4	0.2	60	0.72
1289884	Soil	2.5	20.9	9.2	47	0.2	16.7	23.4	1376	8.54	80.9	2.1	5.2	5.3	24	0.1	1.6	0.1	99	0.41
1289879	Soil	1.9	17.8	7.5	55	0.2	16.4	10.7	484	2.70	20.6	1.6	2.9	3.8	19	0.2	0.9	0.1	78	0.26
1289890	Soil	0.7	25.0	7.9	62	<0.1	19.3	11.5	453	3.18	19.7	1.4	3.6	5.8	23	0.1	0.9	0.1	88	0.40
1289905	Soil	0.8	12.8	7.0	63	0.1	10.4	11.1	557	2.68	25.1	1.3	4.9	2.9	21	<0.1	1.6	<0.1	69	0.34
1289885	Soil	0.9	12.0	9.9	65	<0.1	16.3	12.0	348	3.19	27.5	0.8	2.1	4.9	20	0.1	1.2	<0.1	83	0.41
1289883	Soil	0.6	17.4	8.6	55	0.1	15.5	9.4	216	2.99	52.7	2.0	5.8	5.5	19	0.1	1.2	0.1	78	0.34
1289891	Soil	0.9	21.9	8.2	66	0.1	20.0	15.3	547	3.67	20.4	1.7	3.4	7.2	22	0.2	0.7	0.1	97	0.44
1289903	Soil	0.9	14.6	8.2	72	<0.1	11.8	13.0	583	3.37	26.0	1.0	4.4	4.2	20	0.1	1.9	<0.1	84	0.32
1289887	Soil	0.9	16.0	10.7	63	0.1	17.3	10.2	394	2.80	26.9	1.2	5.5	4.2	22	0.2	1.3	0.1	81	0.36
1289886	Soil	0.7	18.2	11.2	57	0.1	17.7	11.3	332	2.96	34.1	1.8	5.7	5.9	25	0.1	1.4	0.1	84	0.42
1289881	Soil	0.5	14.6	8.1	50	0.1	15.9	9.8	292	2.52	31.3	1.7	4.3	5.1	17	0.1	1.2	0.1	75	0.29
1289892	Soil	0.7	20.1	9.3	62	0.1	19.5	14.9	426	3.11	24.0	1.8	8.5	6.5	19	0.2	1.0	<0.1	81	0.35
1289888	Soil	0.9	18.9	9.3	64	0.1	18.7	13.3	409	3.49	32.6	1.5	7.1	5.7	20	0.1	1.2	0.1	90	0.36
1289877	Soil	0.8	13.9	6.9	56	<0.1	16.8	10.6	382	2.55	8.3	1.1	1.5	4.0	23	0.2	0.3	<0.1	68	0.44
1289880	Soil	1.0	12.8	8.0	57	<0.1	15.6	15.5	594	2.77	18.8	1.0	4.3	4.7	19	0.1	0.7	0.1	75	0.34
1289882	Soil	0.8	14.6	8.3	60	0.2	16.8	11.1	532	2.57	28.7	2.3	6.1	4.7	24	<0.1	1.3	0.1	69	0.42
1285199	Soil	0.7	19.7	11.2	59	<0.1	18.0	12.2	421	2.99	21.6	1.6	7.9	6.7	23	0.1	1.5	0.3	88	0.37
1289354	Soil	0.4	15.5	7.9	58	<0.1	15.2	9.4	199	3.26	20.1	2.2	11.0	5.9	25	0.1	1.1	0.2	73	0.34
1289889	Soil	0.8	29.0	10.7	71	<0.1	21.4	14.8	519	3.25	17.0	1.9	5.6	8.3	29	0.2	1.2	<0.1	88	0.42
1289906	Soil	0.8	12.4	7.9	67	0.1	9.2	11.6	438	2.84	32.0	1.1	4.5	3.1	20	<0.1	2.3	<0.1	77	0.26
1289357	Soil	1.2	18.3	7.2	66	<0.1	8.7	12.8	583	3.03	25.7	1.4	4.4	4.4	21	<0.1	2.8	<0.1	69	0.31
1285196	Soil	1.6	425.6	21.7	164	0.2	202.0	73.2	815	15.48	3.6	1.2	35.0	7.4	17	0.1	0.5	0.1	201	0.30



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		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
1289907	Soil	10	24	0.66	216	0.077	2	1.68	0.014	0.05	0.1	0.05	4.4	0.2	<0.05	7	<0.5
1289895	Soil	11	33	0.81	255	0.155	1	1.94	0.015	0.10	0.1	0.03	4.3	0.3	<0.05	6	<0.5
1289902	Soil	8	29	0.68	259	0.122	1	1.77	0.017	0.08	0.2	0.03	3.8	0.2	<0.05	7	<0.5
1294543	Soil	6	25	1.99	310	0.205	<1	2.56	0.010	1.05	<0.1	<0.01	4.2	0.7	<0.05	5	<0.5
1289904	Soil	8	24	0.72	204	0.072	1	1.68	0.015	0.04	0.1	0.04	4.2	0.2	<0.05	7	<0.5
1289896	Soil	11	33	0.68	254	0.128	2	1.96	0.014	0.10	0.2	0.06	4.8	0.3	<0.05	7	<0.5
1289900	Soil	9	31	0.81	269	0.154	1	1.93	0.016	0.10	0.3	0.02	3.5	0.3	<0.05	7	<0.5
1294545	Soil	51	50	0.70	271	0.076	2	1.98	0.014	0.10	0.2	0.07	6.1	0.2	<0.05	7	<0.5
1289884	Soil	16	35	0.53	247	0.077	2	1.79	0.012	0.06	0.1	0.06	5.8	0.2	<0.05	6	0.6
1289879	Soil	10	31	0.53	237	0.088	1	1.79	0.016	0.06	0.2	0.06	4.0	0.2	<0.05	7	<0.5
1289890	Soil	15	37	0.71	295	0.141	1	1.91	0.019	0.13	0.2	0.03	6.2	0.3	<0.05	6	<0.5
1289905	Soil	9	26	0.75	228	0.085	1	1.76	0.016	0.05	0.1	0.04	4.5	0.2	<0.05	7	<0.5
1289885	Soil	9	32	0.71	176	0.124	1	1.81	0.014	0.07	0.2	0.03	3.8	0.2	<0.05	6	<0.5
1289883	Soil	12	32	0.62	206	0.102	1	1.85	0.013	0.06	0.2	0.05	4.9	0.2	<0.05	6	<0.5
1289891	Soil	15	39	0.84	365	0.159	1	1.97	0.018	0.13	0.2	0.04	6.5	0.3	<0.05	7	<0.5
1289903	Soil	11	29	0.81	215	0.091	1	2.10	0.015	0.05	0.1	0.03	4.7	0.2	<0.05	8	<0.5
1289887	Soil	10	35	0.65	228	0.106	2	1.97	0.015	0.07	0.2	0.06	4.7	0.3	<0.05	7	<0.5
1289886	Soil	12	36	0.68	281	0.108	2	1.99	0.014	0.07	0.2	0.04	5.5	0.3	<0.05	7	<0.5
1289881	Soil	11	33	0.63	192	0.102	<1	1.99	0.014	0.06	0.1	0.05	4.7	0.2	<0.05	6	<0.5
1289892	Soil	14	34	0.70	332	0.124	2	1.78	0.016	0.11	0.2	0.04	6.1	0.4	<0.05	6	<0.5
1289888	Soil	13	36	0.70	288	0.124	1	1.99	0.015	0.08	0.3	0.05	5.7	0.3	<0.05	7	<0.5
1289877	Soil	10	30	0.64	203	0.096	<1	1.73	0.015	0.06	0.1	0.04	3.5	0.1	<0.05	6	<0.5
1289880	Soil	10	30	0.68	181	0.122	1	1.80	0.015	0.08	0.2	0.03	4.0	0.2	<0.05	6	<0.5
1289882	Soil	11	37	0.63	265	0.090	2	1.96	0.016	0.07	0.1	0.06	5.5	0.2	<0.05	6	<0.5
1285199	Soil	14	34	0.76	250	0.119	3	2.04	0.012	0.09	0.2	0.04	5.3	0.2	<0.05	7	<0.5
1289354	Soil	14	31	0.66	288	0.111	4	1.76	0.023	0.06	0.2	0.05	5.0	0.2	<0.05	6	<0.5
1289889	Soil	17	38	0.78	454	0.156	3	1.70	0.015	0.16	0.2	0.03	6.9	0.4	<0.05	6	<0.5
1289906	Soil	9	25	0.75	176	0.080	3	1.63	0.014	0.04	0.2	0.04	4.4	0.2	<0.05	7	<0.5
1289357	Soil	11	23	0.68	228	0.065	2	1.57	0.015	0.07	0.1	0.03	5.3	0.2	<0.05	7	<0.5
1285196	Soil	17	601	0.13	150	0.150	4	3.88	0.013	0.06	<0.1	0.04	40.9	<0.1	<0.05	21	<0.5



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

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

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	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
1289901	Rock Pulp	0.8	20.0	10.5	69	0.1	16.5	13.9	434	3.00	29.2	2.8	8.9	10.1	23	0.2	2.0	<0.1	96	0.36
1289878	Soil	1.0	17.0	8.5	51	<0.1	17.6	11.6	286	4.11	18.0	1.6	5.5	5.5	23	0.2	0.8	<0.1	81	0.32
1285184	Soil	1.3	33.8	9.7	62	0.3	20.7	15.3	544	3.60	208.4	3.2	41.4	8.3	29	0.1	3.2	<0.1	81	0.46
1285198	Soil	0.7	22.2	10.2	57	0.1	17.8	11.5	241	3.32	32.1	2.0	7.0	6.1	26	0.2	1.4	<0.1	82	0.35
1285194	Soil	0.4	21.1	9.1	62	<0.1	16.6	12.0	274	2.79	16.6	2.2	5.2	8.7	23	0.2	1.0	<0.1	78	0.36
1285186	Soil	0.5	22.4	8.7	61	0.1	17.1	12.8	315	3.08	61.8	2.1	10.3	8.0	22	<0.1	2.0	<0.1	80	0.37
1289351	Rock Pulp	2.2	22.4	2.2	39	0.3	21.7	9.4	367	2.23	4.3	0.2	2.6	0.8	38	0.3	0.3	<0.1	54	0.70
1289359	Soil	1.1	13.2	7.9	59	<0.1	8.8	11.5	586	2.69	28.5	0.9	3.2	3.0	19	<0.1	2.8	<0.1	78	0.28
1289353	Soil	0.4	19.4	7.9	61	<0.1	16.3	11.1	297	2.75	44.3	2.3	7.3	6.9	23	0.2	3.0	<0.1	73	0.35
1285192	Soil	0.6	18.8	8.3	65	0.2	16.8	10.9	275	2.66	13.0	1.5	4.6	8.0	23	0.2	0.7	0.1	65	0.38
1294723	Soil	0.8	20.3	6.5	45	<0.1	20.0	11.0	299	2.66	12.8	0.7	3.4	4.9	22	0.1	0.9	<0.1	66	0.30
1285181	Soil	1.2	34.0	11.2	63	0.2	21.8	13.0	497	3.36	23.2	3.1	5.2	7.5	31	0.1	1.1	<0.1	90	0.49
1285185	Soil	0.7	26.6	8.6	58	0.1	18.2	12.0	316	3.11	33.7	2.2	12.4	7.9	27	0.1	2.1	<0.1	78	0.45
1285188	Soil	0.6	19.0	9.0	59	<0.1	16.3	10.8	274	3.24	93.6	1.8	15.3	6.2	21	0.1	2.3	<0.1	82	0.33
1294724	Soil	0.6	20.6	5.8	47	<0.1	16.4	10.0	415	2.38	13.3	1.6	5.3	6.4	24	0.1	1.0	<0.1	61	0.36
1294728	Soil	0.8	23.2	7.2	52	<0.1	18.5	11.3	548	2.66	74.9	4.1	8.7	7.4	28	0.1	1.8	<0.1	67	0.37
1285190	Soil	0.3	20.5	7.9	54	<0.1	14.4	8.4	190	2.56	31.3	3.5	8.8	6.2	22	0.1	3.0	<0.1	76	0.32
1285191	Soil	0.6	15.4	9.1	58	<0.1	17.9	10.2	308	2.43	10.0	1.4	1.6	5.7	23	0.2	0.6	<0.1	62	0.34
1294727	Soil	1.4	20.3	6.3	47	<0.1	12.0	7.3	575	2.10	5.2	0.7	1.5	0.3	16	0.3	0.7	<0.1	46	0.15
1294722	Soil	0.8	20.7	8.1	77	<0.1	17.0	10.1	272	2.68	25.7	2.3	8.8	5.6	18	0.2	1.7	<0.1	69	0.25
1285183	Soil	0.7	25.1	14.5	62	0.2	14.5	11.6	540	3.54	94.9	3.1	18.0	6.9	21	0.3	2.7	<0.1	82	0.32
1285187	Soil	0.7	23.5	9.0	62	0.1	18.8	14.2	393	3.07	59.0	2.4	14.0	7.7	25	0.2	2.3	<0.1	78	0.40
1294725	Soil	0.7	25.7	8.8	71	0.1	20.8	12.8	396	2.81	38.5	3.7	8.3	7.5	27	0.2	1.4	<0.1	69	0.45
1294729	Soil	0.7	19.2	7.0	54	<0.1	20.1	12.6	413	2.79	87.9	1.2	4.3	5.4	17	0.3	1.8	<0.1	67	0.26
1285189	Soil	0.6	15.2	7.2	50	0.2	13.5	9.4	255	2.70	95.6	1.7	18.6	4.6	26	0.1	2.6	<0.1	63	0.37
1285176	Soil	0.8	24.2	9.4	63	0.1	18.6	12.1	332	3.00	35.7	3.4	8.2	7.9	27	0.2	1.2	<0.1	81	0.42
1294298	Soil	1.1	46.7	4.8	45	<0.1	31.5	11.6	286	2.39	7.5	0.3	3.5	1.1	11	0.1	0.4	<0.1	68	0.16
1294300	Soil	0.9	18.6	9.5	50	<0.1	20.2	9.3	317	2.49	7.9	0.6	11.0	2.7	22	0.1	0.6	<0.1	54	0.37
1294720	Soil	1.4	17.5	5.8	50	<0.1	12.3	8.2	911	1.71	4.5	0.9	1.7	0.5	27	0.3	0.6	<0.1	51	0.33
1294721	Soil	1.7	22.3	26.8	95	0.2	21.0	11.7	611	3.03	49.2	1.4	4.7	3.2	25	0.2	4.6	<0.1	75	0.35



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

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

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	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
1289901	Rock Pulp	18	34	0.76	294	0.126	3	1.97	0.015	0.09	0.2	0.05	5.9	0.2	<0.05	6	<0.5
1289878	Soil	13	32	0.64	188	0.081	3	1.96	0.012	0.05	0.2	0.06	4.3	0.1	<0.05	6	<0.5
1285184	Soil	22	35	0.81	434	0.105	3	1.95	0.015	0.10	0.1	0.07	9.1	0.3	<0.05	6	<0.5
1285198	Soil	16	35	0.67	246	0.107	2	1.96	0.012	0.07	0.2	0.05	5.5	0.2	<0.05	6	<0.5
1285194	Soil	16	33	0.74	245	0.140	1	1.88	0.014	0.10	0.2	0.04	5.4	0.2	<0.05	6	<0.5
1285186	Soil	17	32	0.79	317	0.103	<1	1.98	0.013	0.06	0.1	0.04	6.3	0.2	<0.05	7	<0.5
1289351	Rock Pulp	4	27	0.73	88	0.093	3	1.34	0.065	0.11	13.2	<0.01	4.0	<0.1	<0.05	5	<0.5
1289359	Soil	9	23	0.68	196	0.087	2	1.50	0.014	0.06	0.2	0.03	3.5	0.2	<0.05	7	<0.5
1289353	Soil	17	32	0.68	303	0.107	2	1.85	0.013	0.07	0.2	0.05	5.9	0.2	<0.05	6	<0.5
1285192	Soil	12	32	0.75	177	0.120	2	1.88	0.014	0.09	0.2	0.05	4.0	0.2	<0.05	6	<0.5
1294723	Soil	10	30	0.57	160	0.099	2	1.94	0.013	0.05	0.2	0.04	3.5	0.1	<0.05	5	<0.5
1285181	Soil	21	41	0.74	509	0.139	2	2.06	0.015	0.09	0.2	0.07	8.4	0.3	<0.05	7	<0.5
1285185	Soil	20	33	0.75	455	0.113	2	1.74	0.015	0.11	0.2	0.05	8.5	0.3	<0.05	6	<0.5
1285188	Soil	15	32	0.73	241	0.087	2	2.07	0.012	0.06	0.2	0.03	5.7	0.2	<0.05	7	<0.5
1294724	Soil	15	27	0.60	215	0.098	2	1.46	0.014	0.06	0.2	0.02	4.0	0.1	<0.05	5	<0.5
1294728	Soil	17	30	0.61	225	0.100	2	1.52	0.017	0.06	0.2	0.03	4.7	0.1	<0.05	5	<0.5
1285190	Soil	17	29	0.63	248	0.101	2	1.73	0.012	0.06	0.2	0.06	5.3	0.2	<0.05	6	<0.5
1285191	Soil	11	31	0.69	178	0.096	3	1.86	0.012	0.06	0.1	0.05	4.0	0.1	<0.05	6	<0.5
1294727	Soil	5	19	0.29	81	0.041	2	1.33	0.026	0.04	<0.1	0.10	1.4	0.1	0.05	5	0.8
1294722	Soil	13	28	0.61	124	0.109	3	1.60	0.015	0.08	0.3	0.05	3.6	0.1	<0.05	6	<0.5
1285183	Soil	19	32	0.58	356	0.070	3	1.76	0.012	0.11	0.1	0.07	8.4	0.5	<0.05	6	0.6
1285187	Soil	17	32	0.77	313	0.105	2	1.86	0.014	0.07	0.2	0.04	6.5	0.2	<0.05	6	0.5
1294725	Soil	18	31	0.71	254	0.113	2	1.75	0.017	0.07	0.2	0.03	4.8	0.2	<0.05	5	<0.5
1294729	Soil	11	29	0.58	172	0.087	2	1.97	0.012	0.05	0.4	0.03	3.4	0.1	<0.05	5	<0.5
1285189	Soil	13	27	0.61	284	0.072	2	1.60	0.014	0.05	0.1	0.06	5.0	0.2	<0.05	5	0.6
1285176	Soil	16	34	0.80	481	0.157	2	1.74	0.015	0.17	0.2	0.03	6.6	0.4	<0.05	6	<0.5
1294298	Soil	5	56	0.74	90	0.078	<1	1.58	0.012	0.04	0.1	0.01	3.0	<0.1	<0.05	5	<0.5
1294300	Soil	9	29	0.62	248	0.071	2	1.64	0.011	0.05	0.2	0.02	4.2	0.1	<0.05	5	<0.5
1294720	Soil	4	17	0.24	168	0.043	2	0.79	0.015	0.03	<0.1	0.09	1.4	0.1	0.11	4	<0.5
1294721	Soil	10	30	0.62	221	0.071	2	1.86	0.010	0.06	0.2	0.04	3.5	0.2	<0.05	6	<0.5



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

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	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
1294703	Soil	1.1	36.0	9.3	80	0.2	29.1	10.8	307	3.12	63.1	1.1	5.8	4.9	16	0.2	0.8	0.2	62	0.18
1294702	Soil	1.3	35.8	10.8	83	0.2	36.8	16.0	449	3.29	30.6	1.0	12.8	3.2	21	0.3	1.7	0.2	73	0.29
1294726	Soil	1.1	29.6	9.4	67	0.1	20.4	11.7	438	2.78	36.0	4.9	4.7	7.6	27	0.2	1.4	0.2	71	0.50
1294719	Soil	0.8	30.1	12.9	77	0.2	19.7	10.1	318	2.45	13.0	2.2	18.4	6.5	23	0.3	1.9	0.3	66	0.41
1294701	Rock Pulp	1.2	396.9	19.5	154	0.2	188.4	68.0	728	13.77	3.4	1.1	31.5	6.5	13	0.1	0.4	0.2	191	0.27
1294299	Soil	0.6	43.0	7.0	50	0.1	36.1	14.2	497	2.91	15.0	0.8	8.5	2.6	22	<0.1	1.0	<0.1	73	0.43
1294706	Soil	1.3	19.7	16.1	90	0.2	22.7	21.7	2072	3.04	45.1	0.8	10.1	3.2	19	0.4	1.1	0.2	66	0.28
1294705	Soil	1.3	25.6	11.8	73	0.2	22.4	12.1	431	2.57	20.2	1.2	6.5	3.1	20	0.2	1.0	0.2	62	0.27
1294718	Soil	1.1	29.4	9.6	59	0.1	17.1	10.3	478	2.82	28.6	4.5	10.7	8.2	21	0.2	1.1	<0.1	72	0.36
1294708	Soil	1.0	25.9	14.7	68	0.2	20.5	14.6	492	3.23	22.4	2.0	4.4	5.0	23	0.3	1.8	0.2	71	0.29
1294707	Soil	0.6	21.3	11.6	69	0.1	21.1	11.4	318	2.86	13.3	1.1	5.3	3.7	18	0.1	1.1	0.1	63	0.26
1294704	Soil	1.0	23.4	10.0	84	0.1	27.1	12.8	374	2.91	66.5	0.9	7.1	4.2	18	0.2	1.0	0.1	60	0.24
1289407	Soil	1.1	16.4	8.5	47	<0.1	30.3	11.4	471	2.69	6.7	1.1	2.9	11.4	20	<0.1	0.4	0.1	55	0.37
1294710	Soil	0.6	25.3	21.3	77	0.2	18.6	9.6	193	2.91	30.8	1.9	2.9	4.2	19	0.1	2.3	0.1	75	0.28
1294711	Soil	0.6	19.7	19.5	90	0.2	16.0	11.0	290	2.76	14.0	1.2	5.4	4.6	19	0.1	2.0	0.1	69	0.29
1294717	Soil	0.7	20.0	13.3	57	0.1	15.7	11.0	648	2.52	24.4	2.2	6.0	7.5	20	0.2	2.3	<0.1	65	0.35
1289406	Soil	1.1	20.9	8.1	43	0.1	24.4	9.6	221	2.88	8.5	0.7	7.8	8.2	19	<0.1	0.5	0.1	62	0.23
1289403	Soil	0.8	23.4	10.6	42	<0.1	61.5	18.5	536	3.17	9.2	1.3	2.9	18.3	19	<0.1	1.4	<0.1	63	0.42
1294715	Soil	0.6	15.9	10.2	53	<0.1	14.4	8.5	179	2.23	14.2	1.6	7.8	5.2	16	<0.1	1.6	0.1	62	0.27
1294714	Soil	0.5	18.3	26.6	94	0.3	15.4	10.6	304	2.49	18.6	2.1	3.2	6.2	17	0.4	3.3	0.1	68	0.25
1289404	Soil	0.8	12.9	9.7	50	<0.1	61.0	15.6	596	3.20	3.5	1.3	<0.5	12.9	12	<0.1	0.3	<0.1	54	0.30
1289405	Soil	1.1	24.5	8.6	50	<0.1	30.9	12.3	247	2.86	11.6	0.6	2.9	7.3	14	0.2	0.9	<0.1	64	0.17
1294713	Soil	0.9	11.4	130.7	106	1.1	12.7	8.0	288	2.15	36.3	1.0	3.8	3.2	19	0.3	13.7	0.1	60	0.27
1294709	Soil	1.1	15.1	17.7	75	0.2	18.4	12.2	535	3.60	34.6	1.2	2.7	3.9	21	0.2	2.4	0.1	73	0.26
1289400	Soil	1.4	23.4	12.6	46	<0.1	26.4	10.0	370	2.53	18.9	2.2	9.0	25.3	20	0.1	1.4	0.1	44	0.39
1289402	Soil	0.9	36.5	9.1	50	0.2	39.6	15.8	448	3.13	25.3	1.7	464.7	15.7	22	0.1	1.6	0.1	61	0.78
1294712	Soil	0.8	30.9	20.7	100	0.3	16.3	12.8	718	2.80	12.9	1.2	5.6	5.1	23	0.1	3.3	0.1	76	0.33
1294716	Soil	0.8	19.7	12.7	68	0.2	18.5	9.2	285	2.24	29.9	3.3	10.2	4.7	29	<0.1	2.8	0.1	64	0.44
1289417	Soil	1.4	20.3	12.4	56	<0.1	18.9	12.1	770	2.56	5.5	1.3	1.7	5.2	16	<0.1	0.2	0.1	47	0.44
1289418	Soil	0.4	23.7	7.6	46	<0.1	22.4	10.5	524	2.15	4.7	0.7	2.2	3.0	56	0.1	0.3	<0.1	35	1.75



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

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

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	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
1294703	Soil	18	41	0.81	135	0.082	1	1.58	0.007	0.21	0.1	<0.01	3.4	0.2	<0.05	6	<0.5	<0.2
1294702	Soil	13	46	0.71	472	0.086	1	2.17	0.009	0.10	0.1	0.04	5.0	0.3	<0.05	6	1.2	<0.2
1294726	Soil	20	33	0.68	261	0.107	2	1.68	0.013	0.08	0.2	0.04	5.6	0.2	<0.05	6	<0.5	<0.2
1294719	Soil	18	33	0.65	209	0.105	2	1.41	0.016	0.09	0.2	0.03	5.3	0.2	<0.05	5	<0.5	<0.2
1294701	Rock Pulp	15	586	0.10	124	0.136	5	3.41	0.010	0.05	<0.1	0.04	35.4	<0.1	<0.05	19	1.1	<0.2
1294299	Soil	11	60	0.77	252	0.045	<1	1.73	0.011	0.05	0.1	0.04	8.6	<0.1	<0.05	5	0.8	<0.2
1294706	Soil	11	33	0.58	327	0.057	1	1.60	0.013	0.04	0.1	0.03	4.7	0.2	<0.05	6	<0.5	<0.2
1294705	Soil	13	34	0.52	319	0.050	1	1.64	0.008	0.04	0.2	0.03	5.4	0.1	<0.05	5	<0.5	<0.2
1294718	Soil	21	33	0.61	220	0.107	1	1.53	0.012	0.08	0.2	0.04	6.3	0.2	<0.05	5	<0.5	<0.2
1294708	Soil	17	39	0.61	234	0.064	1	1.66	0.009	0.05	0.2	0.06	6.1	0.2	<0.05	6	0.5	<0.2
1294707	Soil	12	40	0.63	195	0.053	<1	1.69	0.008	0.04	0.1	0.04	4.9	0.1	<0.05	6	<0.5	<0.2
1294704	Soil	13	36	0.72	176	0.064	1	1.73	0.007	0.10	0.1	0.01	4.0	0.1	<0.05	6	<0.5	<0.2
1289407	Soil	27	58	0.88	188	0.084	2	1.78	0.009	0.08	0.1	0.03	4.1	0.2	<0.05	6	<0.5	<0.2
1294710	Soil	11	37	0.65	158	0.062	2	1.81	0.009	0.05	0.1	0.05	5.4	0.3	<0.05	6	<0.5	<0.2
1294711	Soil	10	32	0.71	139	0.076	<1	1.79	0.010	0.05	0.1	0.04	4.4	0.2	<0.05	6	<0.5	<0.2
1294717	Soil	16	30	0.57	177	0.097	2	1.45	0.012	0.07	0.3	0.03	4.2	0.2	<0.05	5	<0.5	<0.2
1289406	Soil	16	38	0.58	175	0.069	<1	1.95	0.009	0.05	0.2	0.04	3.5	<0.1	<0.05	6	<0.5	<0.2
1289403	Soil	52	144	1.61	234	0.123	1	1.86	0.007	0.34	0.1	0.05	7.0	0.3	<0.05	6	<0.5	<0.2
1294715	Soil	10	28	0.56	146	0.087	1	1.65	0.009	0.05	0.2	0.04	3.7	0.2	<0.05	5	<0.5	<0.2
1294714	Soil	15	30	0.58	208	0.095	1	1.63	0.010	0.06	0.2	0.04	4.4	0.2	<0.05	5	<0.5	<0.2
1289404	Soil	18	112	1.66	263	0.157	<1	2.29	0.007	0.69	0.1	0.02	3.5	0.3	<0.05	8	<0.5	<0.2
1289405	Soil	7	38	0.60	147	0.074	<1	2.34	0.008	0.06	0.1	0.03	3.6	<0.1	<0.05	6	<0.5	<0.2
1294713	Soil	9	27	0.54	138	0.082	1	1.49	0.010	0.05	0.1	0.06	3.5	0.2	<0.05	5	<0.5	<0.2
1294709	Soil	10	36	0.62	168	0.060	2	1.64	0.008	0.05	0.1	0.04	4.3	0.2	<0.05	6	<0.5	<0.2
1289400	Soil	50	48	0.58	195	0.066	1	1.26	0.009	0.17	0.1	0.04	5.1	0.2	<0.05	5	<0.5	<0.2
1289402	Soil	39	66	1.24	351	0.100	2	1.71	0.009	0.49	0.2	0.11	7.2	0.4	<0.05	6	<0.5	<0.2
1294712	Soil	11	33	0.75	160	0.077	1	1.81	0.009	0.06	0.2	0.04	5.1	0.2	<0.05	6	<0.5	<0.2
1294716	Soil	14	32	0.60	273	0.071	1	1.78	0.014	0.06	0.1	0.05	5.7	0.2	<0.05	6	<0.5	<0.2
1289417	Soil	12	33	0.94	113	0.079	<1	1.37	0.009	0.14	0.1	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
1289418	Soil	15	36	0.75	137	0.052	2	1.12	0.009	0.10	0.5	0.04	3.5	0.1	0.05	4	<0.5	<0.2



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

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

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	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
1289415	Soil	1.5	37.3	8.6	78	0.1	17.2	12.2	707	3.81	4.1	1.0	2.0	3.8	21	<0.1	0.2	0.1	89	0.40	0.042
1289399	Soil	1.3	20.5	8.4	52	0.1	21.4	10.7	401	2.54	17.8	0.8	2.8	4.7	18	0.1	0.9	0.1	57	0.32	0.034
1289411	Soil	1.5	16.6	7.3	47	0.1	18.9	11.4	653	2.49	4.5	2.8	10.0	12.3	31	0.1	0.4	0.2	52	0.94	0.051
1289412	Soil	0.8	21.1	8.1	57	<0.1	28.3	12.9	481	2.58	5.7	1.7	7.4	7.0	31	0.2	0.4	0.2	53	0.71	0.049
1289410	Soil	1.1	12.6	10.0	46	<0.1	22.6	10.5	407	3.09	7.5	1.1	23.2	14.8	13	<0.1	0.6	0.2	59	0.25	0.044
1289409	Soil	1.4	11.7	10.4	39	<0.1	15.5	8.1	317	2.52	8.0	0.6	3.7	8.5	12	0.1	0.6	0.2	59	0.13	0.030
1294385	Soil	1.3	49.1	8.8	97	<0.1	35.7	8.4	301	3.34	17.4	1.5	1.2	5.9	14	0.2	0.4	0.2	63	0.22	0.057
1289413	Soil	0.8	21.5	7.7	57	<0.1	31.5	13.0	397	2.73	8.9	1.0	5.0	4.7	27	0.1	0.3	0.5	60	0.63	0.051
1289414	Soil	1.1	23.7	9.0	69	<0.1	17.4	10.9	563	3.24	8.7	1.6	3.9	4.9	30	0.2	0.3	0.3	50	0.61	0.050
1289408	Soil	1.6	20.9	11.4	52	<0.1	29.8	12.8	357	3.98	12.1	0.7	3.5	12.0	13	0.1	0.6	0.2	79	0.14	0.039
1294388	Soil	0.9	13.5	17.4	78	0.2	14.7	11.1	440	2.88	23.1	1.2	5.0	4.6	21	0.1	2.4	0.1	79	0.39	0.078
1294387	Soil	2.5	38.6	16.0	79	0.5	21.4	7.4	254	2.31	40.7	1.2	4.1	0.6	19	0.4	0.4	0.2	58	0.14	0.056
1294391	Soil	1.1	15.6	8.8	66	<0.1	13.8	13.5	663	2.93	29.2	1.8	2.5	6.4	23	0.1	1.0	0.1	83	0.47	0.082
1289416	Soil	1.6	43.7	9.8	74	0.2	11.4	10.2	519	4.22	5.8	1.5	2.8	5.9	15	<0.1	0.2	0.2	95	0.28	0.043
1294386	Soil	2.2	54.4	12.4	114	1.3	45.7	10.3	278	3.01	40.3	2.0	8.6	3.4	24	1.1	0.9	0.2	71	0.27	0.050
1294392	Soil	0.8	13.9	8.0	63	0.1	14.8	11.8	410	2.72	24.2	1.4	4.9	4.1	24	0.1	0.8	0.1	72	0.41	0.062
1294809	Soil	1.5	29.9	9.7	66	<0.1	15.4	14.3	848	3.48	71.8	3.1	9.1	8.9	25	0.1	4.3	0.1	84	0.42	0.029
1294805	Soil	2.6	33.0	15.1	70	1.0	21.5	15.3	659	3.80	281.9	6.1	38.0	8.0	25	0.4	4.6	0.2	86	0.37	0.054
1294389	Soil	1.0	21.9	12.2	74	0.2	17.1	17.0	936	2.85	25.9	1.4	7.9	5.0	20	0.1	1.1	0.1	83	0.36	0.074
1294393	Soil	0.8	13.5	8.7	60	0.1	13.7	10.1	471	2.87	30.0	1.3	4.7	4.3	20	0.1	0.8	0.1	79	0.36	0.061
1294810	Soil	1.0	20.1	6.9	52	0.1	15.9	12.0	472	2.70	86.2	1.5	6.0	4.2	30	0.2	2.3	<0.1	70	0.48	0.074
1294806	Soil	1.1	30.1	8.0	58	0.1	21.6	13.7	565	3.01	112.1	3.5	12.9	7.0	27	0.2	2.0	<0.1	74	0.45	0.086
1294390	Soil	0.8	14.2	7.9	63	0.1	13.0	11.7	512	2.56	21.3	1.6	2.7	4.6	28	0.2	0.8	0.1	73	0.49	0.073
1294813	Soil	1.2	25.5	7.9	58	0.2	16.8	13.5	515	3.41	70.7	3.2	60.0	6.4	24	0.2	3.3	<0.1	89	0.43	0.093
1294812	Soil	0.9	28.8	9.7	69	0.2	20.6	13.9	568	3.31	72.1	3.0	7.3	8.0	27	0.2	1.9	0.1	82	0.44	0.084
1294808	Soil	1.3	23.3	8.2	59	0.3	16.6	13.5	593	2.99	138.9	1.9	29.7	5.9	24	0.1	3.8	<0.1	75	0.58	0.061
1294394	Soil	0.9	11.5	11.4	69	0.2	14.6	10.6	396	2.57	31.0	1.0	5.1	3.6	20	0.1	1.3	<0.1	67	0.36	0.072
1294814	Soil	0.9	28.6	6.5	59	<0.1	23.4	13.1	611	3.13	73.4	2.7	12.3	7.3	27	0.2	1.1	<0.1	80	0.46	0.101
1294811	Soil	1.4	28.7	7.2	70	0.1	22.6	15.7	921	3.56	101.0	2.5	8.9	7.9	23	0.2	2.7	0.1	89	0.42	0.084
1294807	Soil	0.9	24.4	6.8	49	0.1	23.0	11.5	452	2.68	106.4	1.5	30.1	5.0	24	0.2	1.2	<0.1	66	0.38	0.073



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

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

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		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
1289415	Soil	10	32	1.76	192	0.122	<1	2.16	0.023	0.63	<0.1	0.01	5.5	0.3	0.36	6	<0.5
1289399	Soil	13	32	0.63	465	0.066	1	1.48	0.010	0.05	0.2	0.03	4.3	0.1	<0.05	5	<0.5
1289411	Soil	52	33	0.94	398	0.061	2	1.65	0.012	0.07	0.1	0.05	5.9	<0.1	<0.05	5	<0.5
1289412	Soil	22	42	0.87	267	0.071	1	1.62	0.012	0.11	0.1	0.03	4.9	0.1	<0.05	5	<0.5
1289410	Soil	28	39	0.77	133	0.054	1	1.75	0.009	0.06	0.1	0.04	6.6	<0.1	<0.05	6	0.5
1289409	Soil	12	28	0.36	110	0.051	<1	1.57	0.006	0.05	0.1	0.02	2.7	<0.1	<0.05	7	<0.5
1294385	Soil	12	52	1.00	310	0.090	<1	1.81	0.008	0.31	<0.1	0.02	3.2	0.4	<0.05	6	<0.5
1289413	Soil	14	48	0.91	183	0.083	1	1.79	0.011	0.11	0.1	0.02	4.1	0.2	<0.05	6	<0.5
1289414	Soil	23	28	1.12	207	0.085	<1	1.70	0.014	0.21	<0.1	0.02	5.3	0.2	0.08	6	<0.5
1289408	Soil	12	47	0.56	138	0.068	2	2.56	0.008	0.06	0.1	0.03	3.9	0.1	<0.05	8	<0.5
1294388	Soil	11	35	0.72	177	0.090	1	1.64	0.020	0.05	0.3	0.04	4.1	0.2	<0.05	6	<0.5
1294387	Soil	9	26	0.25	312	0.012	<1	0.76	0.011	0.09	0.1	0.03	2.3	0.3	0.10	4	0.8
1294391	Soil	13	30	0.71	287	0.108	2	1.69	0.018	0.06	0.2	0.04	4.5	0.2	<0.05	6	<0.5
1289416	Soil	20	19	1.63	190	0.092	<1	2.25	0.017	0.41	<0.1	0.04	6.6	0.3	0.27	6	<0.5
1294386	Soil	18	46	0.48	482	0.046	1	1.73	0.015	0.07	0.2	0.11	4.9	0.6	<0.05	6	<0.5
1294392	Soil	12	29	0.65	282	0.096	2	1.65	0.015	0.05	0.3	0.04	4.3	0.2	0.06	6	<0.5
1294809	Soil	16	25	0.61	269	0.083	1	1.47	0.021	0.08	0.6	0.04	7.9	0.3	<0.05	5	<0.5
1294805	Soil	25	33	0.63	228	0.071	2	2.08	0.016	0.07	0.2	0.09	8.3	0.2	<0.05	6	<0.5
1294389	Soil	11	36	0.61	237	0.098	1	1.72	0.014	0.06	0.2	0.03	4.9	0.3	<0.05	6	<0.5
1294393	Soil	11	30	0.62	231	0.099	2	1.63	0.015	0.06	0.2	0.05	4.0	0.2	0.05	6	<0.5
1294810	Soil	12	26	0.55	271	0.088	2	1.55	0.018	0.08	0.2	0.04	4.2	0.2	<0.05	5	<0.5
1294806	Soil	17	32	0.64	235	0.086	1	1.69	0.017	0.07	0.3	0.03	6.0	0.2	<0.05	5	<0.5
1294390	Soil	12	27	0.65	294	0.100	1	1.56	0.016	0.05	0.3	0.03	4.3	0.2	<0.05	5	<0.5
1294813	Soil	21	28	0.65	281	0.116	1	1.75	0.016	0.11	0.2	0.02	6.1	0.2	<0.05	6	<0.5
1294812	Soil	20	36	0.75	314	0.107	2	1.96	0.019	0.09	0.2	0.05	7.8	0.2	<0.05	6	0.5
1294808	Soil	11	31	0.70	242	0.095	1	1.71	0.018	0.08	0.2	0.04	5.8	0.2	<0.05	5	<0.5
1294394	Soil	10	29	0.62	183	0.094	2	1.67	0.014	0.05	0.3	0.05	3.9	0.2	<0.05	6	<0.5
1294814	Soil	16	34	0.71	241	0.115	1	1.78	0.017	0.09	0.2	0.02	5.3	0.2	<0.05	5	<0.5
1294811	Soil	16	31	0.80	241	0.132	2	2.10	0.018	0.10	0.2	0.03	5.7	0.2	<0.05	6	<0.5
1294807	Soil	11	29	0.62	195	0.092	2	1.62	0.018	0.08	0.2	0.03	4.2	0.1	<0.05	5	<0.5



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

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

Project: **SUG**
Report Date: **August 26, 2012**

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	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
1294396	Soil	1.0	16.3	10.3	74	0.2	17.8	13.9	391	3.27	46.3	1.3	7.1	6.6	20	0.2	0.9	0.1	81	0.38	0.086
1294395	Soil	0.5	18.9	10.4	70	0.2	18.5	10.7	281	2.64	19.5	1.6	9.0	6.0	21	0.2	0.8	0.1	69	0.37	0.077
1294399	Soil	0.7	17.0	8.8	64	<0.1	20.0	11.8	261	2.65	22.0	1.3	9.9	6.3	22	0.1	0.8	0.1	76	0.40	0.077
1294801	Rock Pulp	1.2	395.3	17.9	143	0.2	196.9	69.4	734	14.03	2.9	1.0	31.4	5.8	13	0.1	0.3	0.1	182	0.26	0.038
1289391	Soil	2.1	11.9	11.0	55	0.2	11.8	8.5	399	2.60	69.0	1.5	10.2	4.7	20	0.1	1.9	0.1	62	0.26	0.044
1289401	Rock Pulp	1.3	413.8	18.6	153	0.2	201.4	69.5	787	14.58	3.1	1.1	27.0	6.2	14	0.1	0.3	0.2	194	0.28	0.041
1294398	Soil	1.2	14.0	10.7	59	<0.1	15.5	8.6	201	3.33	122.2	1.0	4.3	4.1	20	0.1	0.8	0.1	109	0.36	0.079
1294397	Soil	1.0	15.4	9.5	66	0.1	15.8	10.2	343	2.61	16.9	1.0	3.5	3.5	20	0.1	0.6	0.1	71	0.37	0.073
1289395	Soil	1.2	22.8	8.6	61	<0.1	21.9	12.9	565	2.89	12.2	1.0	1.8	6.2	23	0.1	0.7	0.1	62	0.44	0.047
1289398	Soil	2.1	27.3	10.1	77	0.2	29.8	14.8	579	3.65	35.9	1.3	4.5	5.3	24	0.2	1.6	0.2	76	0.50	0.041
1294803	Soil	0.8	24.2	14.7	69	0.2	19.6	10.4	212	3.04	32.8	1.9	4.4	5.3	22	0.2	1.1	0.1	70	0.36	0.084
1294400	Soil	1.1	13.1	9.4	52	0.1	16.6	9.0	242	2.73	41.9	1.2	5.7	4.2	24	<0.1	0.7	0.1	70	0.43	0.074
1289396	Soil	1.3	27.9	13.1	63	0.2	24.8	12.7	628	3.12	19.0	2.0	6.3	7.9	27	<0.1	0.9	0.1	61	0.70	0.047
1289397	Soil	1.2	32.9	13.3	69	0.2	30.7	11.5	563	2.88	20.5	2.3	4.0	5.9	26	0.1	1.0	0.2	53	0.73	0.046
1294804	Soil	1.5	28.8	7.8	57	<0.1	21.4	13.1	664	3.26	67.0	2.9	13.2	7.4	20	<0.1	0.7	0.1	70	0.35	0.083
1294802	Soil	1.6	17.4	10.6	73	0.2	16.5	11.0	408	2.88	71.5	3.0	12.4	4.5	27	<0.1	0.9	0.1	71	0.54	0.083
1289793	Soil	1.1	21.9	8.4	53	<0.1	25.6	11.0	355	3.14	7.0	1.5	3.3	14.0	23	<0.1	0.4	0.1	60	0.37	0.036
1289375	Soil	0.8	12.2	8.7	84	<0.1	11.0	11.4	704	3.98	113.8	1.3	14.0	15.6	18	<0.1	1.0	<0.1	71	0.45	0.094
1289376	Soil	1.1	12.9	8.0	86	<0.1	11.8	11.3	720	4.11	121.5	1.4	15.3	15.7	18	<0.1	1.2	<0.1	74	0.49	0.095
1289394	Soil	0.9	16.3	14.0	63	<0.1	17.5	13.3	720	3.06	23.7	2.0	2.3	8.0	34	<0.1	0.8	0.2	67	0.78	0.050
1289794	Soil	1.9	15.9	8.6	51	<0.1	20.7	9.4	343	3.18	6.6	1.4	2.3	23.9	15	<0.1	0.5	0.2	55	0.29	0.036
1289799	Soil	0.6	9.6	3.1	34	<0.1	3.2	5.3	593	4.20	2.6	0.2	0.5	1.0	29	<0.1	0.1	<0.1	58	0.20	0.045
1289392	Soil	1.3	18.8	12.1	72	0.5	18.0	13.1	532	3.58	67.2	4.6	21.4	10.3	30	0.2	0.7	0.2	78	0.44	0.072
1289393	Soil	1.1	13.7	12.7	62	0.2	11.5	10.1	546	3.12	41.7	1.5	3.0	8.6	18	<0.1	0.5	0.1	70	0.28	0.060
1289786	Soil	1.0	23.6	10.2	83	<0.1	18.3	18.2	740	4.56	2.4	0.9	1.1	6.9	22	<0.1	<0.1	<0.1	103	0.71	0.164
1289787	Soil	0.9	55.2	9.1	92	<0.1	36.1	19.1	838	4.92	3.8	1.6	<0.5	11.1	18	<0.1	<0.1	0.1	100	0.64	0.131
1289795	Soil	1.5	17.6	8.2	74	<0.1	24.2	19.2	679	5.66	5.0	1.6	3.2	12.3	23	<0.1	1.3	0.4	95	0.65	0.121
1289791	Soil	0.7	24.8	6.6	71	<0.1	35.3	18.3	569	4.47	3.4	0.6	4.4	4.4	17	<0.1	0.3	<0.1	94	0.60	0.100
1289818	Soil	1.0	13.3	13.9	83	<0.1	11.9	11.2	868	3.89	72.5	1.1	1.9	24.3	18	<0.1	0.6	0.2	70	0.42	0.060
1289789	Soil	0.9	50.8	10.2	61	<0.1	21.1	11.8	308	2.99	6.0	0.8	4.3	4.4	16	<0.1	0.2	0.2	70	0.35	0.036



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

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

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		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
1294396	Soil	11	34	0.76	207	0.112	1	1.96	0.015	0.08	0.3	0.05	4.5	0.2	<0.05	6	<0.5	<0.2
1294395	Soil	14	35	0.70	230	0.103	1	1.91	0.015	0.08	0.2	0.05	5.3	0.2	<0.05	6	<0.5	<0.2
1294399	Soil	12	34	0.75	217	0.119	1	1.81	0.017	0.07	0.2	0.02	4.5	0.2	<0.05	5	<0.5	<0.2
1294801	Rock Pulp	15	610	0.12	130	0.133	4	3.53	0.012	0.05	<0.1	0.03	35.4	0.1	<0.05	19	0.5	<0.2
1289391	Soil	17	22	0.56	215	0.094	<1	1.61	0.016	0.09	0.2	0.03	4.1	0.2	<0.05	7	<0.5	<0.2
1289401	Rock Pulp	16	648	0.13	137	0.143	4	3.75	0.013	0.06	<0.1	0.03	37.7	0.1	<0.05	19	<0.5	<0.2
1294398	Soil	9	32	0.65	173	0.100	<1	1.81	0.013	0.06	0.2	0.04	3.8	0.3	<0.05	6	<0.5	<0.2
1294397	Soil	9	32	0.65	179	0.104	1	1.71	0.013	0.06	0.2	0.04	3.7	0.2	<0.05	6	<0.5	<0.2
1289395	Soil	19	42	0.71	319	0.070	<1	1.75	0.015	0.06	0.2	0.04	5.5	0.1	<0.05	6	<0.5	<0.2
1289398	Soil	16	44	0.63	513	0.066	1	1.76	0.014	0.08	0.1	0.05	6.3	0.2	<0.05	6	<0.5	<0.2
1294803	Soil	14	33	0.64	201	0.094	1	1.78	0.016	0.06	0.2	0.06	5.1	0.2	<0.05	6	<0.5	<0.2
1294400	Soil	10	32	0.60	190	0.100	1	1.59	0.015	0.05	0.2	0.04	4.1	0.2	<0.05	6	<0.5	<0.2
1289396	Soil	35	37	0.64	367	0.044	2	1.51	0.013	0.05	0.2	0.07	5.7	0.1	<0.05	5	<0.5	<0.2
1289397	Soil	47	36	0.60	394	0.046	2	1.37	0.014	0.06	<0.1	0.11	6.8	0.1	<0.05	5	<0.5	<0.2
1294804	Soil	14	30	0.64	195	0.102	2	1.52	0.018	0.07	0.2	0.05	4.3	0.2	<0.05	5	<0.5	<0.2
1294802	Soil	13	29	0.64	239	0.095	2	1.48	0.017	0.07	0.2	0.05	4.0	0.2	<0.05	5	<0.5	<0.2
1289793	Soil	39	41	0.79	251	0.090	1	1.66	0.013	0.10	0.1	0.04	5.9	0.1	<0.05	5	<0.5	<0.2
1289375	Soil	25	19	0.77	323	0.158	<1	1.58	0.015	0.43	0.2	0.02	6.8	0.8	<0.05	7	<0.5	<0.2
1289376	Soil	25	21	0.79	335	0.157	1	1.64	0.015	0.42	0.2	0.03	6.8	0.7	<0.05	7	<0.5	<0.2
1289394	Soil	24	31	0.70	281	0.074	1	1.64	0.014	0.04	0.3	0.06	5.8	0.1	<0.05	5	<0.5	<0.2
1289794	Soil	68	31	0.70	172	0.084	1	1.68	0.009	0.16	0.2	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1289799	Soil	4	6	1.80	207	0.119	<1	2.02	0.013	1.07	<0.1	<0.01	3.1	0.5	0.54	5	<0.5	<0.2
1289392	Soil	39	34	0.70	360	0.088	1	2.37	0.015	0.12	0.2	0.07	7.1	0.2	<0.05	8	<0.5	<0.2
1289393	Soil	16	23	0.62	213	0.098	2	1.59	0.013	0.10	0.2	0.02	3.7	0.2	<0.05	7	<0.5	<0.2
1289786	Soil	15	31	1.85	343	0.227	<1	2.59	0.007	1.19	0.1	0.03	3.1	0.5	<0.05	8	<0.5	<0.2
1289787	Soil	22	62	1.93	372	0.197	<1	2.55	0.008	1.02	<0.1	0.02	6.9	0.6	<0.05	8	<0.5	<0.2
1289795	Soil	35	40	1.55	300	0.160	2	2.64	0.008	0.72	0.2	0.01	8.8	0.5	<0.05	8	<0.5	<0.2
1289791	Soil	13	66	1.88	458	0.191	<1	2.67	0.010	0.68	0.1	0.03	4.1	0.3	<0.05	8	<0.5	<0.2
1289818	Soil	41	23	0.71	363	0.094	<1	1.72	0.014	0.15	0.1	0.04	5.8	0.2	<0.05	8	<0.5	<0.2
1289789	Soil	13	36	0.93	299	0.104	<1	1.80	0.011	0.09	0.1	0.03	4.2	0.1	<0.05	6	<0.5	<0.2



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

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

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	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
1289790	Soil	0.9	24.6	5.9	93	<0.1	27.6	19.3	637	4.49	2.7	1.1	1.3	8.0	19	<0.1	<0.1	<0.1	90	0.66	0.106
1289788	Soil	0.8	110.5	8.0	151	<0.1	31.5	13.4	387	3.29	4.6	0.7	1.8	4.2	21	0.3	0.2	0.1	75	0.38	0.047
1289822	Soil	3.8	62.2	12.5	147	0.3	81.6	20.8	592	4.96	103.5	1.5	6.0	4.5	22	0.7	12.9	0.1	87	0.49	0.086
1289823	Soil	2.6	41.1	15.6	101	0.3	62.7	16.6	587	3.97	70.0	1.4	14.9	6.0	23	0.6	7.9	0.2	81	0.36	0.041
1289806	Soil	1.5	13.0	6.9	33	<0.1	13.6	8.5	320	3.42	5.6	1.2	1.3	9.4	13	0.1	0.8	0.1	70	0.44	0.041
1289824	Soil	1.3	45.1	6.2	55	<0.1	32.3	16.0	414	3.17	20.3	0.6	5.0	2.6	15	<0.1	2.0	<0.1	81	0.46	0.019
1289819	Soil	1.5	37.7	14.4	72	0.3	35.3	13.4	648	3.46	327.5	1.7	81.0	5.3	38	0.1	37.1	0.1	58	1.30	0.047
1289820	Soil	1.1	41.0	7.0	57	0.1	43.1	16.0	406	3.45	35.2	0.7	4.3	5.0	22	<0.1	2.0	<0.1	81	0.43	0.015
1289803	Soil	1.2	34.3	11.7	75	0.2	54.0	23.7	604	4.58	6.6	1.8	3.6	11.7	23	<0.1	0.3	0.5	65	0.29	0.046
1289812	Soil	1.3	12.6	10.0	65	<0.1	12.8	11.1	622	3.33	84.5	1.5	9.1	12.1	18	<0.1	0.6	0.1	65	0.38	0.044
1289817	Soil	1.5	18.2	10.1	57	<0.1	16.3	11.0	292	3.80	23.3	0.9	1.6	7.9	14	<0.1	0.7	1.0	91	0.18	0.017
1289811	Soil	1.2	15.0	10.4	73	<0.1	13.2	10.5	617	3.17	61.9	3.6	11.5	10.4	33	0.1	0.8	0.1	63	0.75	0.059
1289804	Soil	1.2	27.1	9.6	58	<0.1	34.5	14.3	304	3.38	9.4	0.8	8.2	4.8	20	<0.1	0.4	0.1	67	0.39	0.035
1289807	Soil	1.0	32.9	9.3	46	0.1	39.4	16.0	564	3.28	7.4	1.6	4.3	16.0	22	<0.1	1.3	0.1	67	0.39	0.027
1289801	Rock Pulp	1.4	388.1	20.0	148	0.2	187.1	68.9	740	14.74	3.0	1.1	32.1	6.8	12	<0.1	0.3	0.1	199	0.27	0.035
1289813	Soil	1.5	14.4	10.4	64	0.1	14.7	10.2	706	3.18	51.1	2.4	8.9	11.4	20	<0.1	0.6	0.1	58	0.35	0.046
1289808	Soil	1.3	13.9	7.4	46	0.1	15.0	8.3	353	2.73	12.2	0.4	3.8	2.0	16	0.2	1.1	0.1	66	0.25	0.040
1289802	Soil	0.9	20.8	8.0	43	<0.1	46.8	23.2	470	3.89	75.2	1.1	3.3	9.9	16	<0.1	0.3	4.0	69	0.31	0.038
1289816	Soil	1.5	16.9	12.9	60	0.2	18.7	12.1	486	3.05	40.4	1.1	9.6	9.6	23	0.2	2.0	0.2	62	0.45	0.039
1289800	Soil	1.2	20.6	13.7	52	<0.1	16.7	7.5	457	2.79	7.0	1.5	3.4	10.4	15	<0.1	0.5	0.2	42	0.22	0.025
1289796	Soil	1.1	55.2	13.8	77	<0.1	47.4	17.2	529	3.81	6.6	0.6	1.0	6.6	39	0.2	1.4	0.2	74	1.43	0.063
1289821	Soil	1.5	34.6	6.6	52	<0.1	27.9	12.5	635	3.32	7.2	0.4	0.7	1.9	27	0.2	1.8	<0.1	87	0.56	0.023
1289815	Soil	1.5	14.3	13.6	87	<0.1	17.8	10.4	864	4.03	90.0	1.9	14.1	20.8	19	0.1	1.8	0.1	63	0.57	0.098
1289805	Soil	1.2	18.7	9.2	57	<0.1	20.7	9.9	374	3.14	11.2	0.9	35.3	5.9	25	<0.1	0.4	0.3	60	0.40	0.044
1289826	Soil	1.4	11.8	7.5	46	<0.1	15.5	11.1	522	2.97	6.6	0.5	1.0	1.5	18	0.2	2.4	0.1	65	0.29	0.016
1289814	Soil	1.1	20.5	9.2	55	<0.1	20.8	10.7	408	2.66	37.0	1.3	7.7	8.7	24	0.1	1.0	0.2	58	0.44	0.045
1289797	Soil	1.5	22.6	5.5	62	<0.1	20.3	11.8	512	3.35	5.1	1.2	3.8	3.6	25	<0.1	0.4	<0.1	49	0.32	0.040
1289825	Soil	1.3	11.8	6.9	47	<0.1	14.5	9.1	625	2.60	7.6	0.6	3.5	1.4	18	0.1	3.3	0.1	55	0.26	0.021
1289809	Soil	1.4	19.0	10.7	76	0.3	14.2	11.2	746	3.42	92.0	6.1	17.9	10.6	52	0.2	1.1	0.1	70	0.91	0.075
1289792	Soil	0.7	48.7	12.6	90	<0.1	45.0	17.3	729	4.58	3.1	0.6	1.7	4.6	21	<0.1	0.3	<0.1	99	0.73	0.110



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

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

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	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
1289790	Soil	14	51	2.05	301	0.210	<1	2.62	0.009	0.86	<0.1	0.02	3.3	0.5	<0.05	8	<0.5	<0.2
1289788	Soil	9	59	1.39	314	0.136	<1	2.14	0.011	0.25	0.1	0.01	3.2	0.2	<0.05	7	<0.5	<0.2
1289822	Soil	15	69	0.68	416	0.028	2	1.53	0.008	0.10	0.2	0.06	7.5	0.2	<0.05	5	1.0	<0.2
1289823	Soil	15	71	0.74	871	0.061	<1	1.63	0.011	0.15	<0.1	0.05	6.8	0.2	<0.05	5	<0.5	<0.2
1289806	Soil	37	21	0.66	179	0.046	2	1.41	0.010	0.15	0.1	0.01	8.5	0.1	<0.05	4	<0.5	<0.2
1289824	Soil	8	48	0.83	333	0.045	1	1.81	0.014	0.07	<0.1	0.03	7.1	0.1	<0.05	5	<0.5	<0.2
1289819	Soil	23	56	0.78	215	0.057	2	1.62	0.015	0.12	0.1	0.06	6.9	0.2	<0.05	6	<0.5	<0.2
1289820	Soil	13	89	1.13	164	0.066	<1	2.10	0.017	0.03	0.1	0.03	7.6	<0.1	<0.05	7	<0.5	<0.2
1289803	Soil	43	73	1.18	268	0.131	<1	2.58	0.010	0.48	<0.1	0.03	5.0	0.4	<0.05	8	<0.5	<0.2
1289812	Soil	25	25	0.60	302	0.093	<1	1.50	0.013	0.15	0.2	0.02	5.2	0.3	<0.05	7	<0.5	<0.2
1289817	Soil	15	28	0.70	232	0.116	<1	2.19	0.013	0.14	0.2	<0.01	4.3	0.3	<0.05	8	<0.5	<0.2
1289811	Soil	32	25	0.63	425	0.087	2	1.54	0.013	0.16	0.2	0.06	5.2	0.3	<0.05	6	<0.5	<0.2
1289804	Soil	12	53	0.83	228	0.083	<1	1.98	0.012	0.06	0.1	<0.01	4.5	0.1	<0.05	6	<0.5	<0.2
1289807	Soil	28	73	0.79	513	0.028	1	1.57	0.011	0.06	<0.1	0.05	8.9	0.1	<0.05	5	<0.5	<0.2
1289801	Rock Pulp	16	591	0.11	132	0.134	3	3.50	0.012	0.05	<0.1	0.04	36.1	0.1	<0.05	18	<0.5	<0.2
1289813	Soil	43	24	0.53	387	0.075	1	1.55	0.012	0.11	0.2	0.07	5.8	0.3	<0.05	6	<0.5	<0.2
1289808	Soil	8	26	0.39	219	0.042	<1	1.48	0.008	0.05	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1289802	Soil	19	72	1.40	165	0.127	<1	2.40	0.008	0.29	<0.1	<0.01	5.2	0.3	<0.05	8	<0.5	<0.2
1289816	Soil	17	34	0.55	242	0.077	2	1.40	0.016	0.12	0.2	0.04	4.7	0.2	<0.05	5	<0.5	<0.2
1289800	Soil	32	29	0.58	213	0.063	2	1.57	0.011	0.12	0.1	0.04	6.4	0.2	<0.05	4	<0.5	<0.2
1289796	Soil	23	60	1.14	571	0.093	2	2.02	0.015	0.26	0.2	0.06	8.8	0.2	<0.05	6	<0.5	<0.2
1289821	Soil	6	48	0.79	474	0.060	1	2.09	0.019	0.05	<0.1	0.02	4.6	0.1	<0.05	7	<0.5	<0.2
1289815	Soil	27	27	0.64	425	0.096	2	1.45	0.014	0.29	0.3	0.02	7.0	0.4	<0.05	6	<0.5	<0.2
1289805	Soil	21	35	0.53	690	0.052	2	2.12	0.017	0.07	<0.1	0.02	6.2	<0.1	<0.05	7	<0.5	<0.2
1289826	Soil	6	27	0.44	547	0.041	1	1.60	0.011	0.05	<0.1	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
1289814	Soil	20	42	0.58	268	0.077	2	1.59	0.014	0.10	0.2	0.06	4.7	0.2	<0.05	5	<0.5	<0.2
1289797	Soil	10	35	1.42	166	0.097	2	2.10	0.014	0.32	<0.1	<0.01	4.0	0.3	0.08	5	<0.5	<0.2
1289825	Soil	6	23	0.39	568	0.035	1	1.45	0.010	0.08	<0.1	0.01	3.1	0.1	<0.05	5	<0.5	<0.2
1289809	Soil	54	24	0.64	402	0.094	2	2.05	0.016	0.14	0.3	0.06	7.3	0.3	0.05	6	<0.5	<0.2
1289792	Soil	15	70	2.05	1043	0.189	2	2.59	0.014	0.70	<0.1	0.02	9.2	0.4	<0.05	8	<0.5	<0.2



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

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

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	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 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	% 0.001
1285696	Soil	0.5	37.5	6.2	68	<0.1	100.7	19.4	789	3.97	3.6	1.7	1.6	8.0	41	0.1	0.2	0.1	73	1.30	0.069
1289810	Soil	1.3	16.5	9.7	67	0.1	15.8	12.0	700	3.04	46.3	2.4	12.9	7.4	38	0.2	1.0	0.1	66	0.71	0.052
1289798	Soil	1.0	21.0	10.3	48	<0.1	28.1	13.1	255	3.73	11.5	0.6	4.9	3.7	17	<0.1	0.6	0.2	82	0.17	0.024
1289827	Soil	1.2	24.3	11.1	69	<0.1	22.9	11.2	471	3.28	9.4	1.1	1.6	5.5	21	<0.1	0.6	0.2	72	0.25	0.033
1289939	Soil	0.8	69.8	24.1	96	0.1	56.2	17.6	750	3.33	6.8	1.5	3.0	4.6	78	0.3	0.6	0.2	53	3.06	0.068
1289941	Soil	1.0	49.1	14.1	92	<0.1	47.3	17.2	627	3.64	5.5	1.7	1.6	5.4	44	0.1	0.5	0.2	65	1.46	0.059
1289948	Soil	0.8	31.2	8.5	63	<0.1	36.0	15.8	567	3.44	7.1	1.4	2.9	5.2	46	0.2	0.2	0.3	46	1.71	0.056
1285694	Soil	1.3	26.3	8.6	65	<0.1	25.9	15.5	757	3.74	4.5	2.5	8.4	15.9	52	0.1	0.6	0.2	61	1.81	0.064
1289942	Soil	0.9	26.3	7.2	49	0.3	6.6	5.2	463	1.20	8.2	1.7	1.7	2.2	114	0.7	0.4	0.4	13	4.96	0.061
1289940	Soil	1.2	41.5	10.5	65	<0.1	45.9	16.9	1041	3.41	5.8	1.2	4.9	6.7	44	<0.1	0.4	0.2	44	1.68	0.048
1289947	Soil	1.0	32.6	12.5	68	<0.1	29.8	14.6	723	3.65	5.4	1.8	53.7	8.1	37	0.2	0.7	0.2	58	1.34	0.063
1285695	Soil	1.2	26.2	13.3	67	0.1	33.4	16.7	655	4.14	4.3	1.9	0.6	10.1	36	0.1	0.3	0.2	81	1.19	0.086
1289938	Soil	0.9	23.9	10.7	71	<0.1	155.8	25.5	643	4.19	17.0	1.4	2.7	8.3	121	<0.1	0.9	0.1	52	3.45	0.063
1289950	Soil	1.2	30.2	10.3	78	<0.1	26.2	16.4	712	3.57	5.1	1.7	0.8	9.5	30	<0.1	0.2	0.2	60	0.90	0.034
1289946	Soil	1.3	105.9	7.0	74	<0.1	31.1	19.4	580	6.06	5.3	1.3	2.4	5.4	51	0.1	0.4	0.2	102	1.19	0.060
1285693	Soil	0.9	24.6	10.1	62	<0.1	44.5	15.0	695	3.61	7.0	2.7	14.6	17.0	45	<0.1	0.8	0.1	51	1.48	0.061
1289944	Soil	0.9	37.1	14.2	70	<0.1	54.8	21.2	366	4.56	28.2	2.0	1.5	8.8	36	0.1	0.2	1.2	61	0.50	0.036
1289949	Soil	1.0	38.6	10.4	68	<0.1	29.0	14.9	663	3.37	5.9	1.9	3.1	6.6	43	<0.1	0.2	0.2	50	1.49	0.047
1289945	Soil	1.1	34.6	6.5	74	<0.1	28.2	16.1	802	3.87	4.6	1.6	<0.5	5.5	35	<0.1	0.2	0.2	62	1.08	0.047
1285697	Soil	0.8	59.2	18.5	102	0.1	25.7	17.9	553	4.01	4.4	0.9	1.5	3.8	22	0.1	0.2	0.3	93	0.60	0.072



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

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	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
1285696	Soil	36	166	2.16	355	0.189	1	2.66	0.016	0.60	0.2	0.05	5.0	0.5	<0.05	8	<0.5	<0.2
1289810	Soil	25	26	0.61	328	0.079	2	1.65	0.014	0.08	0.2	0.04	5.5	0.2	<0.05	6	<0.5	<0.2
1289798	Soil	10	43	0.63	208	0.089	<1	2.60	0.013	0.05	0.2	0.02	4.6	0.1	<0.05	7	<0.5	<0.2
1289827	Soil	19	40	0.59	253	0.092	2	2.04	0.019	0.07	0.2	0.05	6.6	0.2	<0.05	6	<0.5	<0.2
1289939	Soil	30	89	1.07	327	0.065	3	1.47	0.012	0.29	<0.1	0.22	6.1	0.3	0.08	4	0.7	<0.2
1289941	Soil	20	89	1.47	346	0.092	2	1.86	0.018	0.39	0.1	0.16	6.9	0.3	0.10	6	<0.5	<0.2
1289948	Soil	20	48	1.22	196	0.119	2	1.74	0.014	0.38	0.1	0.03	3.7	0.3	0.11	5	<0.5	<0.2
1285694	Soil	64	45	1.02	502	0.109	3	1.76	0.016	0.31	0.1	0.09	6.0	0.3	0.05	6	<0.5	<0.2
1289942	Soil	12	7	0.32	70	0.055	2	0.58	0.019	0.08	0.4	0.01	1.4	0.1	<0.05	2	<0.5	<0.2
1289940	Soil	24	76	1.00	227	0.060	2	1.40	0.013	0.27	1.2	0.11	6.3	0.2	0.05	4	<0.5	<0.2
1289947	Soil	23	41	1.45	224	0.103	2	1.84	0.015	0.39	<0.1	0.05	5.1	0.3	0.07	5	<0.5	<0.2
1285695	Soil	43	60	1.47	387	0.140	2	2.15	0.014	0.45	0.2	0.06	6.2	0.3	<0.05	7	<0.5	<0.2
1289938	Soil	31	264	2.14	218	0.087	2	1.73	0.012	0.49	0.1	0.08	6.7	0.5	<0.05	5	<0.5	<0.2
1289950	Soil	19	54	2.01	233	0.127	1	2.36	0.016	0.49	0.1	0.02	4.9	0.4	0.10	6	<0.5	<0.2
1289946	Soil	18	52	2.21	524	0.110	1	2.81	0.039	0.66	<0.1	0.04	13.4	0.3	0.39	9	0.7	<0.2
1285693	Soil	106	62	0.96	354	0.091	2	1.65	0.013	0.28	0.2	0.11	7.0	0.3	<0.05	5	<0.5	<0.2
1289944	Soil	38	68	1.19	202	0.156	1	2.24	0.017	0.47	0.1	0.02	4.3	0.3	0.11	7	<0.5	<0.2
1289949	Soil	25	38	1.11	224	0.085	2	1.65	0.012	0.29	0.1	0.03	4.7	0.3	0.09	5	<0.5	<0.2
1289945	Soil	14	49	1.85	237	0.106	2	2.20	0.016	0.39	<0.1	0.02	7.0	0.3	0.14	6	<0.5	<0.2
1285697	Soil	11	49	1.48	473	0.165	2	2.22	0.016	0.37	<0.1	0.03	5.5	0.2	<0.05	7	<0.5	<0.2



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

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1020 - 800 West Pender Street

Vancouver BC V6C 2V6 Canada

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QUALITY CONTROL REPORT

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	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
Pulp Duplicates																				
1289274	Soil	1.2	26.0	7.5	57	0.2	26.0	13.2	736	3.17	10.8	1.4	4.8	3.1	22	<0.1	1.4	0.1	80	0.50
REP 1289274	QC	1.2	25.7	7.4	58	0.2	26.7	13.7	736	3.26	10.4	1.4	4.3	3.2	23	0.2	1.3	0.1	80	0.52
1289262	Soil	1.2	19.6	9.5	62	0.2	19.8	11.1	512	3.21	53.0	1.5	5.0	9.4	21	0.1	1.2	0.1	62	0.45
REP 1289262	QC	1.3	19.8	9.9	63	0.1	21.0	10.4	532	3.25	52.4	1.5	21.9	9.3	22	0.1	1.1	0.1	64	0.47
1294061	Soil	1.0	23.2	6.0	50	0.1	22.8	13.6	621	2.13	5.7	0.3	<0.5	1.3	15	0.2	0.4	<0.1	59	0.24
REP 1294061	QC	0.9	23.1	5.9	51	0.1	23.3	13.7	623	2.16	6.1	0.3	<0.5	1.3	15	<0.1	0.4	0.1	61	0.26
1294082	Soil	0.7	70.6	47.3	420	0.2	43.3	16.2	663	2.86	5.4	2.4	3.8	6.1	34	0.8	0.4	0.5	62	1.09
REP 1294082	QC	0.9	72.4	47.2	413	0.2	44.0	16.1	668	2.87	5.4	2.4	5.3	6.2	36	0.8	0.4	0.4	62	1.09
1285195	Soil	0.6	24.6	10.0	61	0.1	18.3	13.0	263	3.06	28.9	2.2	3.9	8.4	26	0.1	1.4	<0.1	81	0.37
REP 1285195	QC	0.7	24.5	9.1	58	0.1	18.4	12.6	268	3.08	28.2	2.2	4.5	8.4	26	0.2	1.3	<0.1	80	0.35
1294540	Soil	0.8	17.7	11.6	89	<0.1	31.1	23.6	1031	4.60	4.7	0.8	4.4	7.0	29	<0.1	0.8	<0.1	105	0.56
REP 1294540	QC	0.8	18.4	11.2	91	<0.1	30.9	23.4	1020	4.55	4.3	0.7	3.0	6.9	28	<0.1	0.8	<0.1	102	0.57
1294545	Soil	1.6	16.8	8.5	59	0.1	30.3	12.2	478	2.72	5.3	1.7	6.8	8.9	33	0.2	0.4	0.2	60	0.72
REP 1294545	QC	1.4	16.4	8.2	57	0.2	29.5	12.1	483	2.69	4.9	1.6	8.7	8.8	33	0.1	0.4	0.2	61	0.73
1289885	Soil	0.9	12.0	9.9	65	<0.1	16.3	12.0	348	3.19	27.5	0.8	2.1	4.9	20	0.1	1.2	<0.1	83	0.41
REP 1289885	QC	0.9	11.8	9.9	65	<0.1	16.1	12.1	338	3.18	27.3	0.8	4.6	5.0	20	<0.1	1.2	<0.1	83	0.40
1285188	Soil	0.6	19.0	9.0	59	<0.1	16.3	10.8	274	3.24	93.6	1.8	15.3	6.2	21	0.1	2.3	<0.1	82	0.33
REP 1285188	QC	0.5	18.5	8.7	56	0.1	15.4	10.5	265	3.13	88.5	1.8	10.8	5.9	20	0.1	2.2	<0.1	78	0.32
1294727	Soil	1.4	20.3	6.3	47	<0.1	12.0	7.3	575	2.10	5.2	0.7	1.5	0.3	16	0.3	0.7	<0.1	46	0.15
REP 1294727	QC	1.3	20.0	6.4	45	<0.1	12.4	7.4	588	2.06	5.6	0.7	2.1	0.3	16	0.3	0.6	<0.1	46	0.14
1294714	Soil	0.5	18.3	26.6	94	0.3	15.4	10.6	304	2.49	18.6	2.1	3.2	6.2	17	0.4	3.3	0.1	68	0.25
REP 1294714	QC	0.5	18.3	26.3	92	0.3	16.2	11.1	310	2.55	19.1	2.2	4.4	6.1	18	0.3	3.5	0.1	68	0.27
1294713	Soil	0.9	11.4	130.7	106	1.1	12.7	8.0	288	2.15	36.3	1.0	3.8	3.2	19	0.3	13.7	0.1	60	0.27
REP 1294713	QC	1.0	11.0	129.6	108	1.1	12.4	7.8	284	2.09	36.0	1.0	2.5	3.1	19	0.3	13.7	0.1	57	0.28
1294808	Soil	1.3	23.3	8.2	59	0.3	16.6	13.5	593	2.99	138.9	1.9	29.7	5.9	24	0.1	3.8	<0.1	75	0.58
REP 1294808	QC	1.2	23.2	8.1	60	0.2	16.4	13.6	591	2.98	139.9	1.9	22.1	6.0	25	0.1	3.6	0.1	74	0.58
1294396	Soil	1.0	16.3	10.3	74	0.2	17.8	13.9	391	3.27	46.3	1.3	7.1	6.6	20	0.2	0.9	0.1	81	0.38
REP 1294396	QC	1.0	17.1	10.3	75	0.2	18.7	14.2	401	3.32	46.8	1.2	5.9	6.4	19	0.1	0.9	0.1	81	0.39



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 26, 2012**

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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
Pulp Duplicates																		
1289274	Soil	20	59	0.81	302	0.067	<1	2.07	0.019	0.06	<0.1	0.04	7.0	0.1	<0.05	6	<0.5	<0.2
REP 1289274	QC	21	60	0.80	298	0.067	2	2.05	0.018	0.07	0.1	0.04	7.0	0.1	<0.05	6	<0.5	<0.2
1289262	Soil	22	36	0.60	358	0.094	<1	1.50	0.013	0.16	0.2	0.03	4.9	0.3	<0.05	6	<0.5	<0.2
REP 1289262	QC	23	39	0.62	366	0.094	<1	1.59	0.014	0.17	0.2	0.04	5.1	0.2	<0.05	6	<0.5	<0.2
1294061	Soil	6	50	0.63	116	0.078	1	1.34	0.014	0.10	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
REP 1294061	QC	6	50	0.64	120	0.078	1	1.34	0.014	0.10	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
1294082	Soil	36	77	1.14	291	0.111	1	1.79	0.015	0.19	<0.1	0.07	5.5	0.2	<0.05	6	0.9	<0.2
REP 1294082	QC	37	77	1.17	303	0.115	2	1.81	0.015	0.19	0.1	0.06	5.3	0.2	<0.05	6	<0.5	<0.2
1285195	Soil	16	35	0.73	247	0.134	3	2.14	0.014	0.08	0.2	0.04	5.7	0.2	<0.05	6	<0.5	<0.2
REP 1285195	QC	16	34	0.74	252	0.131	2	2.12	0.015	0.08	0.2	0.05	5.8	0.2	<0.05	6	<0.5	<0.2
1294540	Soil	17	59	1.82	299	0.181	2	2.59	0.009	0.64	0.1	0.02	5.9	0.4	<0.05	8	0.6	<0.2
REP 1294540	QC	17	58	1.82	291	0.176	2	2.60	0.010	0.61	0.2	<0.01	6.0	0.4	<0.05	8	<0.5	<0.2
1294545	Soil	51	50	0.70	271	0.076	2	1.98	0.014	0.10	0.2	0.07	6.1	0.2	<0.05	7	<0.5	<0.2
REP 1294545	QC	50	49	0.69	255	0.078	2	1.92	0.013	0.09	0.2	0.05	6.0	0.2	<0.05	6	<0.5	<0.2
1289885	Soil	9	32	0.71	176	0.124	1	1.81	0.014	0.07	0.2	0.03	3.8	0.2	<0.05	6	<0.5	<0.2
REP 1289885	QC	9	32	0.70	175	0.123	<1	1.74	0.014	0.08	0.2	0.04	3.8	0.2	<0.05	6	<0.5	<0.2
1285188	Soil	15	32	0.73	241	0.087	2	2.07	0.012	0.06	0.2	0.03	5.7	0.2	<0.05	7	<0.5	<0.2
REP 1285188	QC	14	31	0.70	227	0.081	2	1.93	0.011	0.06	0.1	0.04	5.3	0.2	<0.05	6	<0.5	<0.2
1294727	Soil	5	19	0.29	81	0.041	2	1.33	0.026	0.04	<0.1	0.10	1.4	0.1	0.05	5	0.8	<0.2
REP 1294727	QC	5	19	0.30	78	0.042	2	1.32	0.019	0.04	<0.1	0.09	1.3	0.1	0.06	5	<0.5	<0.2
1294714	Soil	15	30	0.58	208	0.095	1	1.63	0.010	0.06	0.2	0.04	4.4	0.2	<0.05	5	<0.5	<0.2
REP 1294714	QC	14	30	0.60	213	0.096	2	1.64	0.010	0.06	0.1	0.04	4.7	0.2	<0.05	6	<0.5	<0.2
1294713	Soil	9	27	0.54	138	0.082	1	1.49	0.010	0.05	0.1	0.06	3.5	0.2	<0.05	5	<0.5	<0.2
REP 1294713	QC	8	26	0.53	137	0.080	1	1.45	0.009	0.05	0.1	0.04	3.4	0.2	<0.05	5	<0.5	<0.2
1294808	Soil	11	31	0.70	242	0.095	1	1.71	0.018	0.08	0.2	0.04	5.8	0.2	<0.05	5	<0.5	<0.2
REP 1294808	QC	11	31	0.70	243	0.095	2	1.69	0.018	0.07	0.2	0.04	5.6	0.2	<0.05	5	<0.5	<0.2
1294396	Soil	11	34	0.76	207	0.112	1	1.96	0.015	0.08	0.3	0.05	4.5	0.2	<0.05	6	<0.5	<0.2
REP 1294396	QC	11	34	0.76	205	0.115	1	1.96	0.015	0.08	0.2	0.05	4.6	0.2	<0.05	6	<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

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		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
1289788	Soil	0.8	110.5	8.0	151	<0.1	31.5	13.4	387	3.29	4.6	0.7	1.8	4.2	21	0.3	0.2	0.1	75	0.38
REP 1289788	QC	0.6	111.6	8.0	149	<0.1	31.7	13.3	390	3.34	4.6	0.7	2.1	4.1	21	0.2	0.2	0.1	75	0.39
1289819	Soil	1.5	37.7	14.4	72	0.3	35.3	13.4	648	3.46	327.5	1.7	81.0	5.3	38	0.1	37.1	0.1	58	1.30
REP 1289819	QC	1.1	37.4	14.2	70	0.2	34.3	13.1	644	3.45	319.7	1.7	81.5	5.3	37	0.1	36.4	<0.1	56	1.27
1289797	Soil	1.5	22.6	5.5	62	<0.1	20.3	11.8	512	3.35	5.1	1.2	3.8	3.6	25	<0.1	0.4	<0.1	49	0.32
REP 1289797	QC	1.2	23.1	5.7	63	<0.1	20.2	12.0	520	3.40	5.1	1.2	1.8	3.8	24	<0.1	0.4	<0.1	48	0.32
1289798	Soil	1.0	21.0	10.3	48	<0.1	28.1	13.1	255	3.73	11.5	0.6	4.9	3.7	17	<0.1	0.6	0.2	82	0.17
REP 1289798	QC	1.3	21.0	10.1	49	<0.1	27.1	13.4	256	3.70	11.9	0.6	3.3	3.5	17	<0.1	0.7	0.2	79	0.17
Reference Materials																				
STD DS9	Standard	13.2	94.6	111.7	295	1.9	40.1	7.5	569	2.27	23.3	2.3	128.0	5.5	61	2.4	5.3	5.4	42	0.69
STD DS9	Standard	11.9	107.5	118.5	301	1.7	39.3	7.4	545	2.18	24.4	2.6	162.6	5.6	61	2.3	5.6	4.4	39	0.65
STD DS9	Standard	11.8	102.5	119.6	296	1.8	36.8	7.1	528	2.16	23.6	2.6	113.4	5.7	59	2.1	5.8	6.0	38	0.62
STD DS9	Standard	12.0	105.7	121.7	302	1.8	38.8	7.5	571	2.27	24.9	2.7	115.0	5.9	72	2.3	5.9	6.3	38	0.65
STD DS9	Standard	11.6	100.1	113.6	282	1.7	36.0	6.7	517	2.27	23.3	2.4	127.2	5.3	61	2.2	5.3	5.8	36	0.62
STD DS9	Standard	12.5	102.3	120.5	302	1.9	37.4	6.8	557	2.19	25.5	2.7	113.0	6.0	69	2.3	5.8	6.1	38	0.66
STD DS9	Standard	14.6	115.2	130.1	327	2.0	42.5	8.3	608	2.46	26.0	2.9	128.0	6.5	71	2.8	6.3	6.6	43	0.77
STD DS9	Standard	12.3	105.9	111.8	286	1.7	39.4	7.6	542	2.24	24.0	2.4	102.3	5.5	63	2.4	5.4	6.0	40	0.64
STD DS9	Standard	12.1	104.7	123.0	296	1.9	39.7	7.0	551	2.26	26.0	2.8	112.7	6.2	74	2.2	6.3	6.5	40	0.69
STD DS9	Standard	12.1	111.9	121.7	308	1.8	39.8	7.4	564	2.26	26.0	2.7	104.5	6.4	69	2.4	6.2	6.6	39	0.67
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
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
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.7	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
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
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
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
BLK	Blank	<0.1	0.2	<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
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
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



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

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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
1289788	Soil	9	59	1.39	314	0.136	<1	2.14	0.011	0.25	0.1	0.01	3.2	0.2	<0.05	7	<0.5	<0.2
REP 1289788	QC	10	60	1.42	316	0.138	1	2.10	0.011	0.25	0.1	0.01	3.5	0.2	<0.05	6	<0.5	<0.2
1289819	Soil	23	56	0.78	215	0.057	2	1.62	0.015	0.12	0.1	0.06	6.9	0.2	<0.05	6	<0.5	<0.2
REP 1289819	QC	23	55	0.77	217	0.057	2	1.58	0.015	0.13	0.1	0.06	7.0	0.2	<0.05	6	<0.5	<0.2
1289797	Soil	10	35	1.42	166	0.097	2	2.10	0.014	0.32	<0.1	<0.01	4.0	0.3	0.08	5	<0.5	<0.2
REP 1289797	QC	10	35	1.41	165	0.098	2	2.12	0.014	0.32	<0.1	0.03	4.0	0.2	0.08	5	<0.5	<0.2
1289798	Soil	10	43	0.63	208	0.089	<1	2.60	0.013	0.05	0.2	0.02	4.6	0.1	<0.05	7	<0.5	<0.2
REP 1289798	QC	10	43	0.64	210	0.090	1	2.69	0.012	0.05	0.1	0.02	4.5	0.1	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	12	120	0.63	300	0.106	3	0.91	0.087	0.35	2.9	0.20	2.3	5.7	0.12	5	5.0	5.0
STD DS9	Standard	11	119	0.59	280	0.103	2	0.83	0.075	0.35	2.9	0.20	2.3	5.3	0.16	4	5.3	4.6
STD DS9	Standard	11	115	0.58	281	0.095	3	0.84	0.079	0.34	2.8	0.23	2.1	5.1	0.17	4	4.3	4.6
STD DS9	Standard	12	115	0.62	290	0.104	4	0.87	0.105	0.36	2.9	0.21	2.5	5.5	0.15	4	4.8	5.1
STD DS9	Standard	10	109	0.55	297	0.091	3	0.91	0.078	0.37	2.7	0.21	2.1	5.1	0.12	4	5.7	4.4
STD DS9	Standard	12	113	0.59	282	0.105	2	0.87	0.083	0.35	3.1	0.19	2.4	5.3	0.13	4	4.3	5.2
STD DS9	Standard	14	126	0.66	315	0.118	3	0.95	0.089	0.36	3.0	0.27	2.5	6.2	0.18	5	6.5	6.1
STD DS9	Standard	11	118	0.59	280	0.096	3	0.83	0.078	0.33	2.6	0.21	2.3	5.2	0.15	4	4.6	4.5
STD DS9	Standard	12	116	0.61	304	0.108	4	0.87	0.080	0.35	3.1	0.21	2.3	5.6	0.13	5	5.3	4.8
STD DS9	Standard	11	116	0.61	284	0.110	3	0.89	0.086	0.35	2.9	0.21	2.6	5.4	0.11	4	4.5	4.7
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
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
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
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

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

Project: **SUG**
Report Date: **August 26, 2012**

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QUALITY CONTROL REPORT

WHI12000691.1

		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



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		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
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