



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Underworld Resources, Inc.
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Submitted By: Shawn Ryan
Receiving Lab: Canada-Vancouver
Received: November 04, 2009
Report Date: December 08, 2009
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CERTIFICATE OF ANALYSIS

VAN09005688.1

CLIENT JOB INFORMATION

Project: JPR
Shipment ID: JPR1
P.O. Number
Number of Samples: 212

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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: Underworld Resources, Inc.
1500 - 409 Granville Street
Vancouver BC V6C 1T2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	212	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	212	Dry at 60C			VAN
1DX2	212	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.
** 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	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
					kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
					0.01	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
JPR 88003	Soil				0.3	32.2	8.1	79	0.1	26.2	8.5	419	2.35	5.8	0.5	3.4	2.4	42	0.6	0.4	0.1	56	3.04	
JPR 88004	Soil				0.1	34.3	10.1	64	0.2	25.0	8.2	269	2.27	5.6	0.7	2.3	2.8	37	1.0	0.8	0.2	43	1.90	
JPR 88012	Soil				0.4	25.2	21.4	57	<0.1	11.7	9.9	345	2.71	30.9	1.6	4.2	11.5	21	<0.1	0.5	0.8	31	0.48	
JPR 88026	Soil				1.5	31.6	15.6	42	0.2	11.0	7.2	310	2.44	7.0	0.7	0.5	4.6	21	<0.1	0.4	0.6	41	0.18	
JPR 88027	Soil				0.8	25.4	10.4	45	<0.1	19.6	8.5	224	2.43	7.7	1.0	1.7	9.8	21	<0.1	0.6	0.2	53	0.26	
JPR 88028	Soil				1.2	25.4	11.1	64	<0.1	22.5	11.4	291	3.16	7.8	1.4	1.6	15.7	22	<0.1	0.7	0.2	63	0.30	
JPR 88030	Soil				1.2	20.1	7.0	62	<0.1	18.5	13.6	372	3.44	4.1	0.9	1.3	7.2	23	<0.1	0.4	0.1	68	0.32	
JPR 88031	Soil				0.8	22.4	7.7	49	<0.1	18.3	10.5	297	2.54	6.4	0.9	2.9	5.1	26	<0.1	0.5	0.1	57	0.34	
JPR 88032	Soil				0.8	21.4	7.4	46	<0.1	16.9	10.1	288	2.45	6.3	0.9	2.2	4.8	25	<0.1	0.4	0.1	54	0.33	
JPR 88034	Soil				1.1	31.3	8.1	55	<0.1	18.8	11.9	357	2.91	7.8	1.5	2.0	6.1	24	<0.1	0.6	0.1	62	0.30	
JPR 88036	Soil				0.7	37.8	7.4	87	<0.1	39.7	16.9	317	4.43	4.9	1.8	1.0	14.6	11	<0.1	0.3	0.3	57	0.11	
JPR 88038	Soil				0.7	34.5	15.2	80	<0.1	33.7	16.0	493	4.13	8.4	1.5	0.9	13.9	20	<0.1	0.5	0.2	81	0.15	
JPR 88039	Soil				0.7	27.0	9.7	56	<0.1	24.2	10.5	353	2.83	9.6	1.1	2.1	5.6	20	<0.1	0.5	0.2	61	0.21	
JPR 88040	Soil				0.4	35.4	9.6	61	0.1	26.9	11.4	487	2.53	8.4	0.7	4.4	3.3	35	0.4	0.8	0.2	53	1.84	
JPR 88042	Soil				0.3	31.3	9.2	58	0.1	25.1	10.6	497	2.26	8.5	1.5	2.6	2.9	36	0.6	0.7	0.2	51	1.43	
JPR 88043	Soil				0.3	29.7	9.3	67	0.1	23.8	10.4	650	2.28	7.7	1.1	2.9	2.5	36	0.7	0.7	0.1	50	1.54	
JPR 88045	Soil				0.5	35.0	10.6	68	0.1	27.7	10.9	628	2.62	10.0	1.0	2.6	4.0	35	0.6	0.7	0.2	54	1.22	
JPR 88047	Soil				0.4	25.9	9.3	59	0.1	20.1	8.4	435	1.94	6.9	0.9	1.3	2.9	41	0.5	0.6	0.2	44	1.16	
JPR 88048	Soil				0.6	25.8	10.1	49	<0.1	18.7	10.7	361	2.17	9.5	1.5	1.4	3.7	40	0.3	0.6	0.2	50	0.62	
JPR 88052	Soil				0.2	4.2	3.8	111	<0.1	6.3	9.3	654	3.17	0.9	0.9	1.1	6.1	46	<0.1	0.1	<0.1	43	0.65	
JPR 88054	Soil				0.4	11.5	5.8	93	<0.1	8.0	9.8	268	1.95	9.6	0.9	<0.5	5.2	26	<0.1	0.2	<0.1	37	0.37	
JPR 88055	Soil				0.5	16.2	7.0	87	<0.1	14.9	11.1	300	3.40	6.4	1.2	1.1	5.0	36	<0.1	0.4	<0.1	57	0.35	
JPR 88056	Soil				0.2	4.4	7.3	110	<0.1	7.0	11.2	531	3.53	1.6	0.8	<0.5	5.1	54	<0.1	0.2	<0.1	47	0.60	
JPR 88057	Soil				0.6	29.4	8.7	75	<0.1	22.5	11.0	431	3.08	9.1	1.1	3.1	3.9	39	<0.1	0.6	0.2	56	0.42	
JPR 88058	Soil				0.5	6.8	5.0	140	<0.1	7.3	22.2	1411	4.29	3.8	0.7	0.9	2.9	31	<0.1	0.2	<0.1	71	0.48	
JPR 88059	Soil				0.4	12.5	7.8	102	<0.1	7.4	9.4	606	2.70	3.3	1.2	1.8	5.0	55	<0.1	0.3	<0.1	34	0.52	
JPR 88060	Soil				0.3	13.4	6.5	76	<0.1	9.4	7.1	391	2.59	3.8	1.2	1.5	3.8	51	<0.1	0.3	<0.1	37	0.46	
JPR 88061	Soil				0.6	16.4	8.4	51	<0.1	15.8	8.8	277	2.43	7.7	1.0	4.0	3.9	29	<0.1	0.4	0.1	49	0.30	
JPR 88062	Soil				0.3	6.0	4.9	60	<0.1	5.8	9.2	475	2.40	2.3	1.0	0.7	3.1	55	<0.1	0.2	<0.1	32	0.53	
JPR 88063	Soil				0.5	13.5	6.7	62	<0.1	10.1	6.6	252	2.41	3.5	0.9	1.5	3.4	44	<0.1	0.3	0.1	35	0.38	



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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
		P	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
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.01	0.05	1	0.5
JPR 88003	Soil	0.122	14	27	0.73	204	0.021	2	1.81	0.011	0.07	<0.1	0.04	4.2	<0.1	<0.05	5	0.5
JPR 88004	Soil	0.181	16	24	0.66	247	0.027	1	1.60	0.016	0.05	0.2	0.06	4.1	<0.1	<0.05	4	0.8
JPR 88012	Soil	0.125	47	15	0.45	171	0.019	<1	1.64	0.011	0.11	0.1	0.03	4.5	0.1	<0.05	5	0.5
JPR 88026	Soil	0.022	9	18	0.63	208	0.036	<1	2.15	0.009	0.08	0.1	0.02	2.2	0.2	<0.05	6	<0.5
JPR 88027	Soil	0.037	27	30	0.48	203	0.081	<1	1.46	0.014	0.06	0.1	0.02	3.5	<0.1	<0.05	4	<0.5
JPR 88028	Soil	0.030	26	40	0.74	216	0.096	1	2.00	0.014	0.10	0.1	0.03	4.6	0.2	<0.05	6	<0.5
JPR 88030	Soil	0.034	16	37	1.01	185	0.212	<1	2.26	0.012	0.30	0.2	0.01	3.7	0.2	<0.05	7	<0.5
JPR 88031	Soil	0.044	15	28	0.64	249	0.123	1	1.58	0.018	0.08	0.1	0.02	4.2	<0.1	<0.05	5	<0.5
JPR 88032	Soil	0.045	15	27	0.63	248	0.117	<1	1.52	0.016	0.07	0.2	0.02	4.0	<0.1	<0.05	5	<0.5
JPR 88034	Soil	0.030	22	32	0.70	296	0.128	<1	1.79	0.014	0.08	0.2	0.03	6.2	<0.1	<0.05	5	<0.5
JPR 88036	Soil	0.047	25	45	0.84	238	0.227	<1	2.65	0.007	0.72	0.1	0.02	4.2	0.7	<0.05	8	<0.5
JPR 88038	Soil	0.022	24	54	0.98	241	0.200	1	3.48	0.013	0.34	0.1	0.03	7.6	0.3	<0.05	10	<0.5
JPR 88039	Soil	0.056	20	34	0.58	221	0.113	1	1.89	0.011	0.08	0.1	0.03	5.1	0.2	<0.05	6	<0.5
JPR 88040	Soil	0.071	14	30	0.68	265	0.082	2	1.47	0.018	0.05	0.2	0.04	4.3	<0.1	<0.05	4	0.5
JPR 88042	Soil	0.078	14	28	0.47	290	0.069	2	1.38	0.016	0.04	0.2	0.05	3.9	<0.1	<0.05	4	0.7
JPR 88043	Soil	0.087	13	27	0.43	277	0.070	2	1.42	0.018	0.04	0.1	0.04	3.9	<0.1	<0.05	4	0.5
JPR 88045	Soil	0.088	17	29	0.44	284	0.081	2	1.53	0.018	0.05	0.2	0.04	4.5	<0.1	<0.05	5	0.7
JPR 88047	Soil	0.081	14	25	0.35	265	0.055	1	1.44	0.016	0.04	0.1	0.04	3.8	<0.1	<0.05	4	<0.5
JPR 88048	Soil	0.075	16	26	0.33	320	0.050	<1	1.37	0.012	0.04	0.1	0.05	4.2	<0.1	<0.05	4	<0.5
JPR 88052	Soil	0.196	25	11	0.90	216	0.021	<1	1.98	0.009	0.59	<0.1	<0.01	5.8	0.2	<0.05	8	<0.5
JPR 88054	Soil	0.126	25	15	0.64	194	0.016	<1	1.74	0.006	0.38	<0.1	<0.01	4.6	0.3	<0.05	8	<0.5
JPR 88055	Soil	0.078	24	28	0.74	200	0.062	<1	2.34	0.009	0.14	<0.1	0.02	4.9	<0.1	<0.05	8	<0.5
JPR 88056	Soil	0.174	18	13	1.02	188	0.033	<1	2.58	0.008	0.41	<0.1	<0.01	4.5	0.2	<0.05	10	<0.5
JPR 88057	Soil	0.107	17	30	0.64	334	0.078	1	1.63	0.015	0.10	0.1	0.04	5.2	<0.1	<0.05	5	<0.5
JPR 88058	Soil	0.271	12	14	1.37	345	0.129	1	2.97	0.009	0.77	<0.1	0.01	5.0	0.4	<0.05	12	<0.5
JPR 88059	Soil	0.155	14	16	0.71	143	0.012	<1	1.97	0.009	0.23	<0.1	0.02	2.9	<0.1	<0.05	8	<0.5
JPR 88060	Soil	0.103	20	17	0.60	228	0.027	<1	1.67	0.011	0.16	<0.1	0.02	5.6	<0.1	<0.05	6	<0.5
JPR 88061	Soil	0.074	13	27	0.50	208	0.079	<1	1.53	0.012	0.05	0.1	0.02	3.4	<0.1	<0.05	5	<0.5
JPR 88062	Soil	0.119	20	11	0.55	187	0.010	<1	1.75	0.009	0.12	<0.1	0.01	3.5	<0.1	<0.05	6	<0.5
JPR 88063	Soil	0.062	21	17	0.51	194	0.021	<1	2.02	0.011	0.08	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5



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		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	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
JPR 88064	Soil		0.6	32.0	9.5	71	<0.1	27.9	8.4	361	2.52	7.7	0.8	3.9	4.3	32	0.3	0.6	0.2	52	0.72
JPR 88065	Soil		0.6	41.5	16.6	68	0.1	24.9	12.8	403	2.90	10.5	0.8	2.3	3.4	29	0.1	0.6	0.2	64	0.63
JPR 88066	Soil		1.0	27.1	15.2	55	<0.1	19.4	10.0	365	2.75	9.0	1.4	2.4	9.8	27	0.2	0.5	0.2	60	0.57
JPR 88067	Soil		0.6	26.7	11.9	52	<0.1	16.9	8.5	337	2.44	7.0	1.0	2.2	11.8	25	<0.1	0.5	0.2	54	0.39
JPR 88084	Soil		0.4	54.2	9.1	182	0.2	56.7	10.1	336	2.10	6.6	1.2	1.6	3.4	42	2.8	0.7	0.2	75	1.65
JPR 88085	Soil		1.2	45.4	8.8	120	0.1	23.2	9.3	1023	4.65	5.3	2.2	5.7	3.7	43	0.5	0.6	0.2	65	0.80
JPR 88086	Soil		0.3	35.4	9.6	65	0.2	32.7	9.6	379	2.26	9.5	0.5	3.7	2.5	50	0.9	0.7	0.2	51	5.49
JPR 88087	Soil		0.8	58.2	12.3	329	0.1	68.8	27.1	1588	4.41	11.5	1.2	3.5	4.4	36	3.6	1.0	0.2	60	1.07
JPR 88095	Soil		0.9	22.9	11.2	66	<0.1	13.8	6.3	143	1.92	10.8	1.6	5.6	5.1	46	0.2	0.4	0.3	43	0.43
JPR 88119	Soil		0.5	22.4	15.4	73	<0.1	8.8	8.3	346	2.44	3.2	2.1	2.4	18.8	33	0.1	0.3	0.2	32	0.52
JPR 88205	Soil		0.9	21.7	13.4	62	<0.1	26.6	13.6	247	3.60	9.8	0.9	2.1	6.8	14	<0.1	0.5	0.2	61	0.12
JPR 88211	Soil		0.4	37.0	10.7	98	<0.1	44.8	15.3	302	4.89	0.5	3.4	<0.5	26.9	9	<0.1	<0.1	0.3	35	0.08
JPR 88213	Soil		0.4	32.8	8.3	78	<0.1	42.3	16.7	271	4.21	1.7	3.6	<0.5	23.3	8	<0.1	0.1	0.3	38	0.11
JPR 88214	Soil		0.4	42.1	9.3	93	<0.1	49.0	21.8	412	5.23	1.5	4.2	0.6	24.8	11	<0.1	0.1	0.2	42	0.09
JPR 88216	Soil		0.6	29.3	13.9	60	<0.1	68.0	20.4	237	4.48	3.2	1.0	0.6	7.7	9	<0.1	0.2	0.2	78	0.11
JPR 88217	Soil		1.0	33.5	11.3	68	<0.1	31.6	14.3	281	3.61	8.3	1.3	1.4	9.1	16	<0.1	0.5	0.3	59	0.14
JPR 88248	Soil		0.9	29.2	4.5	96	<0.1	7.4	16.4	621	4.14	0.9	1.2	<0.5	4.9	20	<0.1	<0.1	<0.1	96	0.37
JPR 88259	Soil		0.6	26.8	9.7	65	<0.1	24.4	10.3	314	2.86	7.1	1.6	8.3	6.1	26	<0.1	0.4	0.2	54	0.27
JPR 88264	Soil		0.4	32.8	9.5	67	<0.1	39.9	15.1	268	3.66	2.5	2.2	1.4	9.9	44	<0.1	0.1	0.5	50	0.29
JPR 88267	Soil		0.3	21.9	7.5	45	<0.1	29.4	12.6	188	2.90	1.6	1.7	<0.5	17.5	33	<0.1	<0.1	0.2	34	0.30
JPR 88268	Soil		0.7	22.0	9.1	51	<0.1	26.3	11.7	228	3.02	5.9	1.2	1.5	9.1	20	<0.1	0.3	0.2	51	0.17
JPR 88269	Soil		0.3	27.3	7.2	39	<0.1	32.5	13.8	204	3.02	3.6	1.5	0.9	10.7	14	<0.1	0.3	0.2	43	0.15
JPR 88270	Soil		0.3	21.3	11.2	60	<0.1	52.2	25.1	316	4.47	3.0	1.4	1.2	14.9	11	<0.1	0.2	0.2	66	0.13
JPR 88271	Soil		0.8	26.2	8.9	58	<0.1	27.4	13.6	245	3.46	5.4	1.5	6.6	11.8	19	<0.1	0.2	0.3	59	0.15
JPR 88272	Soil		0.4	39.9	11.0	53	<0.1	36.5	14.8	206	3.55	3.5	2.0	1.1	17.0	18	<0.1	0.2	0.3	46	0.21
JPR 88273	Soil		0.5	34.5	11.6	66	<0.1	36.1	16.7	249	4.04	3.6	1.8	1.1	10.3	24	<0.1	0.3	0.2	65	0.21
JPR 88275	Soil		0.3	33.9	10.7	78	<0.1	39.6	17.0	230	4.28	2.3	1.7	1.2	13.1	15	<0.1	0.2	0.2	53	0.12
JPR 88276	Soil		0.4	31.4	11.8	73	<0.1	36.0	15.4	275	3.79	4.3	1.6	1.7	10.6	17	<0.1	0.3	0.3	55	0.14
JPR 88277	Soil		0.5	21.6	10.9	61	<0.1	35.5	11.6	178	3.54	5.7	0.7	0.9	5.1	12	<0.1	0.3	0.3	68	0.12
JPR 88278	Soil		0.8	25.4	12.7	56	<0.1	24.2	11.2	142	3.04	4.4	0.9	1.3	5.8	16	<0.1	0.3	0.3	56	0.12



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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
		P	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
		0.001	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
JPR 88064	Soil	0.105	17	33	0.99	295	0.075	2	1.79	0.017	0.06	0.1	0.04	4.8	<0.1	<0.05	5	<0.5
JPR 88065	Soil	0.068	14	27	0.83	285	0.081	1	1.64	0.020	0.06	0.2	0.03	4.6	<0.1	<0.05	5	<0.5
JPR 88066	Soil	0.044	23	29	0.59	297	0.083	<1	1.93	0.014	0.06	0.2	0.02	4.4	0.1	<0.05	6	<0.5
JPR 88067	Soil	0.049	19	28	0.61	244	0.090	<1	1.65	0.014	0.07	0.1	0.02	4.5	<0.1	<0.05	5	<0.5
JPR 88084	Soil	0.393	15	47	0.69	281	0.036	3	1.66	0.014	0.07	0.1	0.06	4.2	0.2	<0.05	5	0.6
JPR 88085	Soil	0.124	16	24	0.37	380	0.016	3	1.41	0.011	0.09	<0.1	0.14	5.4	0.3	<0.05	5	<0.5
JPR 88086	Soil	0.127	12	30	1.61	265	0.052	2	1.56	0.016	0.04	0.1	0.06	3.8	<0.1	<0.05	4	<0.5
JPR 88087	Soil	0.078	29	39	0.62	463	0.015	2	1.77	0.010	0.12	<0.1	0.05	5.4	0.8	<0.05	5	0.6
JPR 88095	Soil	0.049	20	25	0.41	229	0.030	2	1.51	0.009	0.11	<0.1	0.03	5.0	0.3	<0.05	5	<0.5
JPR 88119	Soil	0.069	59	13	0.67	153	0.076	2	2.01	0.008	0.36	<0.1	0.01	2.2	0.5	<0.05	6	<0.5
JPR 88205	Soil	0.043	16	41	0.63	156	0.142	<1	2.18	0.010	0.26	0.2	0.02	3.7	0.3	<0.05	7	<0.5
JPR 88211	Soil	0.050	51	35	0.54	129	0.122	<1	1.51	0.011	0.66	<0.1	<0.01	5.0	0.6	<0.05	5	<0.5
JPR 88213	Soil	0.045	36	40	0.82	175	0.212	<1	2.25	0.010	0.85	<0.1	<0.01	4.6	0.7	<0.05	7	<0.5
JPR 88214	Soil	0.047	56	43	0.80	183	0.176	<1	2.17	0.012	0.84	<0.1	0.03	5.9	0.7	<0.05	7	<0.5
JPR 88216	Soil	0.042	16	83	1.30	142	0.283	<1	2.73	0.010	0.68	0.1	0.01	5.8	0.5	<0.05	10	<0.5
JPR 88217	Soil	0.031	21	39	0.63	234	0.120	<1	2.28	0.009	0.31	0.1	0.02	4.3	0.3	<0.05	6	<0.5
JPR 88248	Soil	0.115	14	13	1.53	467	0.246	<1	2.40	0.011	1.46	<0.1	<0.01	4.7	0.3	<0.05	6	<0.5
JPR 88259	Soil	0.061	20	36	0.64	277	0.145	<1	1.76	0.013	0.20	0.1	0.03	4.7	0.2	<0.05	5	<0.5
JPR 88264	Soil	0.068	28	48	0.87	186	0.203	<1	2.45	0.012	0.75	0.1	0.01	5.4	0.6	<0.05	8	<0.5
JPR 88267	Soil	0.100	44	32	0.69	136	0.132	<1	1.92	0.008	0.60	<0.1	<0.01	3.5	0.5	<0.05	6	<0.5
JPR 88268	Soil	0.031	22	36	0.58	197	0.126	<1	2.01	0.009	0.20	<0.1	0.01	3.9	0.2	<0.05	6	<0.5
JPR 88269	Soil	0.042	32	36	0.76	151	0.138	<1	1.98	0.010	0.48	<0.1	0.01	4.3	0.4	<0.05	6	<0.5
JPR 88270	Soil	0.049	30	64	1.12	156	0.172	<1	2.95	0.009	0.85	<0.1	0.01	5.9	0.7	<0.05	9	<0.5
JPR 88271	Soil	0.067	17	36	0.76	118	0.149	<1	2.26	0.009	0.41	<0.1	0.01	3.8	0.4	<0.05	7	<0.5
JPR 88272	Soil	0.046	45	43	0.95	230	0.162	<1	2.24	0.010	0.66	<0.1	0.01	5.5	0.5	<0.05	7	<0.5
JPR 88273	Soil	0.031	38	53	1.04	333	0.303	<1	2.85	0.013	0.61	<0.1	0.01	7.4	0.7	<0.05	9	<0.5
JPR 88275	Soil	0.017	32	51	1.09	276	0.226	<1	2.78	0.010	0.84	<0.1	0.01	6.7	0.7	<0.05	9	<0.5
JPR 88276	Soil	0.032	26	46	0.90	211	0.205	<1	2.35	0.011	0.62	<0.1	0.01	6.5	0.5	<0.05	8	<0.5
JPR 88277	Soil	0.029	11	72	0.90	124	0.149	<1	2.39	0.011	0.19	0.1	0.02	4.0	0.2	<0.05	8	<0.5
JPR 88278	Soil	0.033	17	35	0.64	135	0.149	<1	2.00	0.011	0.29	<0.1	0.02	3.0	0.3	<0.05	8	<0.5



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	Method Analyte	Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
			kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
			0.01	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
JPR 88386	Soil		0.5	10.7	5.3	61	<0.1	8.1	8.7	341	2.84	4.8	0.6	2.3	6.4	17	<0.1	0.3	<0.1	53	0.25	
JPR 88388	Soil		1.0	10.6	7.0	58	<0.1	9.5	7.5	253	2.57	4.3	0.7	2.1	3.6	17	0.2	0.3	0.1	53	0.23	
JPR 88120	Soil		0.7	17.8	9.8	49	<0.1	16.0	8.4	257	2.71	7.4	1.0	2.4	11.6	16	<0.1	0.5	0.2	49	0.15	
JPR 88121	Soil		0.7	23.3	9.3	53	<0.1	18.7	9.7	277	2.85	7.9	1.2	1.7	12.1	18	<0.1	0.4	0.2	52	0.18	
JPR 88122	Soil		0.4	20.8	8.8	51	<0.1	16.1	7.0	291	2.15	4.8	1.1	1.3	14.3	21	<0.1	0.4	<0.1	36	0.24	
JPR 88123	Soil		2.3	24.4	31.9	114	<0.1	21.6	9.1	589	3.75	12.9	1.4	0.8	7.3	10	0.1	0.7	0.1	44	0.17	
JPR 88124	Soil		0.3	19.8	2.9	251	<0.1	5.1	11.4	1162	6.38	1.3	1.4	5.4	4.9	16	<0.1	0.4	<0.1	52	0.47	
JPR 88131	Soil		0.7	22.6	9.7	70	0.1	18.6	8.9	325	2.66	6.6	1.1	2.3	3.3	30	0.2	0.5	0.1	53	0.63	
JPR 88132	Soil		0.6	17.5	8.3	64	<0.1	15.9	8.2	318	2.51	6.1	1.0	3.1	3.4	30	0.1	0.5	0.1	50	0.59	
JPR 88133	Soil		0.8	16.1	9.0	61	<0.1	15.6	9.4	457	2.44	6.3	1.0	2.5	3.0	31	<0.1	0.4	0.1	50	0.61	
JPR 88134	Soil		0.8	17.1	8.9	63	0.1	15.5	9.2	342	2.41	6.6	1.1	4.9	3.3	31	0.1	0.4	0.1	51	0.57	
JPR 88135	Soil		0.9	19.1	7.6	69	<0.1	15.3	11.0	418	3.31	7.6	1.0	1.3	3.9	34	0.2	0.5	0.1	71	0.58	
JPR 88136	Soil		0.8	29.7	9.7	71	0.1	27.0	11.3	421	2.72	9.2	0.8	1.6	3.9	35	0.2	0.8	0.2	56	0.49	
JPR 88137	Soil		0.9	31.3	8.1	61	<0.1	27.7	10.0	429	2.48	9.0	0.6	3.5	4.4	56	0.3	0.7	0.1	57	1.82	
JPR 88138	Soil		0.7	30.7	8.2	62	<0.1	27.7	9.8	414	2.46	8.7	0.8	3.6	3.8	40	0.2	0.7	0.1	55	0.85	
JPR 88139	Soil		1.2	52.2	8.7	78	<0.1	87.4	17.9	482	3.51	5.7	1.0	1.1	5.3	20	0.1	0.4	0.1	94	0.18	
JPR 88140	Soil		1.2	61.1	17.2	99	<0.1	122.7	18.7	821	3.83	15.0	1.4	2.5	4.8	28	0.1	0.6	0.2	93	0.25	
JPR 88141	Soil		0.9	79.2	8.5	72	<0.1	87.0	20.3	854	4.11	1.7	1.8	<0.5	5.6	25	<0.1	0.2	0.1	105	0.34	
JPR 88142	Soil		0.9	53.9	10.0	67	<0.1	140.8	19.1	647	3.24	7.7	0.9	2.3	4.1	35	<0.1	0.6	0.1	78	0.36	
JPR 88143	Soil		1.0	53.1	7.6	62	<0.1	200.9	21.0	475	3.34	6.7	1.2	3.5	4.3	27	<0.1	0.5	0.1	78	0.30	
JPR 88144	Soil		0.8	41.4	9.6	60	<0.1	28.5	11.7	374	3.00	7.7	2.6	2.2	7.3	31	<0.1	0.5	0.1	70	0.30	
JPR 88145	Soil		0.4	45.9	12.1	123	<0.1	50.6	17.9	628	5.61	2.8	2.4	<0.5	18.2	24	<0.1	0.2	0.1	92	0.24	
JPR 88146	Soil		0.8	25.9	9.5	61	<0.1	25.1	10.8	320	2.79	8.2	0.9	4.1	3.1	25	0.1	0.6	0.2	57	0.28	
JPR 88147	Soil		0.3	65.1	16.4	122	<0.1	78.8	25.2	1035	5.64	2.9	2.7	1.4	24.4	44	0.1	0.2	0.2	88	0.71	
JPR 88148	Soil		0.6	35.0	22.8	73	<0.1	43.8	18.3	1459	4.05	8.5	1.9	2.2	10.1	118	0.2	0.4	0.2	63	1.19	
JPR 88150	Soil		0.3	43.5	12.2	85	<0.1	64.1	25.5	317	5.00	0.7	3.3	<0.5	29.5	17	<0.1	0.1	0.3	59	0.22	
JPR 88151	Soil		0.2	36.6	13.6	90	<0.1	68.2	24.3	416	5.03	1.0	2.6	<0.5	26.0	25	<0.1	0.1	0.3	62	0.31	
JPR 88152	Soil		0.5	31.8	8.6	79	<0.1	27.2	14.1	390	3.49	3.3	1.6	0.7	18.3	20	<0.1	0.3	0.2	43	0.25	
JPR 88154	Soil		0.5	24.4	6.4	80	<0.1	31.3	15.2	344	3.72	3.7	1.9	<0.5	14.6	17	<0.1	0.2	0.3	49	0.15	
JPR 88166	Soil		0.1	40.4	11.4	79	<0.1	34.6	16.4	227	3.80	0.5	2.1	0.7	21.3	59	<0.1	<0.1	0.5	55	0.45	



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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
		P	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
		0.001	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
JPR 88386	Soil	0.064	14	14	0.72	171	0.147	<1	1.67	0.009	0.47	0.2	0.01	2.0	0.2	<0.05	5	<0.5
JPR 88388	Soil	0.060	14	16	0.66	189	0.126	<1	1.61	0.011	0.24	0.2	0.03	2.4	0.1	<0.05	5	0.5
JPR 88120	Soil	0.017	27	27	0.55	159	0.096	<1	1.88	0.008	0.10	0.1	0.01	3.1	0.2	<0.05	6	<0.5
JPR 88121	Soil	0.021	33	28	0.55	197	0.101	<1	1.85	0.014	0.13	0.1	0.02	3.5	0.2	<0.05	5	<0.5
JPR 88122	Soil	0.035	25	22	0.47	168	0.081	<1	1.32	0.010	0.14	<0.1	0.03	4.0	0.2	<0.05	4	<0.5
JPR 88123	Soil	0.047	15	27	0.34	104	0.041	<1	1.39	0.011	0.14	<0.1	0.01	5.7	0.3	<0.05	5	0.5
JPR 88124	Soil	0.154	27	6	0.76	95	0.146	<1	1.89	0.008	0.60	0.2	0.01	15.3	0.3	<0.05	11	0.7
JPR 88131	Soil	0.066	14	26	0.47	278	0.084	<1	1.67	0.014	0.06	0.2	0.03	4.4	0.1	<0.05	6	0.5
JPR 88132	Soil	0.072	13	24	0.45	242	0.085	<1	1.54	0.012	0.06	0.3	0.03	4.0	<0.1	<0.05	5	<0.5
JPR 88133	Soil	0.067	12	25	0.43	229	0.075	1	1.52	0.015	0.05	0.2	0.03	3.8	<0.1	<0.05	5	<0.5
JPR 88134	Soil	0.073	15	26	0.43	257	0.075	<1	1.57	0.014	0.06	0.2	0.03	3.7	<0.1	<0.05	5	0.6
JPR 88135	Soil	0.081	12	24	0.58	258	0.078	<1	1.82	0.020	0.06	0.2	0.03	4.8	<0.1	<0.05	6	0.7
JPR 88136	Soil	0.076	15	31	0.59	334	0.075	1	1.64	0.028	0.06	0.2	0.03	4.0	<0.1	<0.05	5	0.5
JPR 88137	Soil	0.087	14	28	0.72	349	0.089	2	1.16	0.029	0.11	0.3	0.02	3.3	<0.1	<0.05	4	0.5
JPR 88138	Soil	0.077	14	28	0.61	327	0.085	2	1.31	0.027	0.08	0.3	0.03	3.5	<0.1	<0.05	4	0.5
JPR 88139	Soil	0.035	19	115	1.28	402	0.167	1	2.76	0.015	0.23	0.1	0.02	6.0	0.2	<0.05	8	0.7
JPR 88140	Soil	0.052	19	114	0.86	535	0.104	<1	2.08	0.013	0.12	0.1	0.18	9.3	0.1	<0.05	7	0.6
JPR 88141	Soil	0.121	26	138	1.76	895	0.232	1	3.72	0.011	0.83	<0.1	0.01	8.3	0.2	<0.05	11	0.7
JPR 88142	Soil	0.040	17	209	1.36	588	0.155	1	2.20	0.014	0.19	0.1	0.04	6.5	0.2	<0.05	6	0.5
JPR 88143	Soil	0.043	26	246	2.01	491	0.149	1	2.58	0.015	0.20	<0.1	0.02	6.1	0.2	<0.05	8	0.8
JPR 88144	Soil	0.046	46	42	0.78	327	0.125	2	2.18	0.017	0.11	0.1	0.04	5.7	0.2	<0.05	7	0.5
JPR 88145	Soil	0.051	28	93	1.79	351	0.313	<1	3.87	0.013	1.15	0.1	0.01	8.9	0.4	<0.05	14	<0.5
JPR 88146	Soil	0.075	20	34	0.57	232	0.084	1	1.83	0.011	0.12	0.2	0.02	4.0	0.1	<0.05	6	<0.5
JPR 88147	Soil	0.096	90	99	1.61	312	0.307	<1	3.41	0.025	0.83	0.2	0.01	9.3	0.4	<0.05	13	0.7
JPR 88148	Soil	0.121	52	49	0.75	312	0.063	<1	3.14	0.044	0.06	0.2	0.04	7.5	0.2	<0.05	8	0.6
JPR 88150	Soil	0.088	95	59	1.30	310	0.221	<1	3.46	0.013	1.36	<0.1	<0.01	5.8	0.9	<0.05	11	0.7
JPR 88151	Soil	0.097	77	75	1.26	337	0.173	<1	3.44	0.012	1.08	<0.1	<0.01	7.1	0.6	<0.05	11	0.8
JPR 88152	Soil	0.063	31	36	0.78	277	0.203	<1	2.03	0.010	0.72	<0.1	0.01	3.8	0.5	<0.05	6	<0.5
JPR 88154	Soil	0.043	38	40	0.86	266	0.210	<1	2.51	0.013	0.76	<0.1	0.01	3.6	0.6	<0.05	8	<0.5
JPR 88166	Soil	0.090	52	35	1.05	308	0.188	<1	2.99	0.031	0.93	<0.1	<0.01	4.9	0.6	<0.05	9	<0.5



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Project: JPR
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CERTIFICATE OF ANALYSIS

VAN09005688.1

	Method	Analyte	Unit	MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
					kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
					0.01	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
JPR 88167	Soil				0.3	38.4	4.7	68	<0.1	41.4	16.9	188	4.35	0.8	2.6	<0.5	20.9	53	<0.1	<0.1	0.2	65	0.34	
JPR 88415	Soil				1.0	16.5	6.7	57	<0.1	13.9	9.8	401	2.74	4.4	0.6	3.7	5.5	20	<0.1	0.2	<0.1	60	0.21	
JPR 88416	Soil				1.2	17.1	7.4	64	<0.1	15.1	11.5	430	3.07	5.3	0.7	2.3	6.6	19	0.1	0.3	0.1	63	0.21	
JPR 88417	Soil				4.8	25.6	9.3	98	0.1	25.3	8.5	311	2.43	7.4	1.7	1.3	3.3	21	0.6	0.3	0.2	118	0.22	
JPR 88418	Soil				0.7	13.9	6.2	75	<0.1	14.0	11.1	445	3.68	7.0	0.4	<0.5	3.8	15	<0.1	0.3	0.1	71	0.20	
JPR 88420	Soil				2.9	44.6	7.5	291	0.1	40.8	11.8	553	4.43	3.5	1.5	1.1	4.6	23	0.7	0.2	0.1	142	0.56	
JPR 88437	Soil				1.2	13.0	9.1	54	<0.1	15.9	10.2	417	3.02	8.7	0.6	2.1	5.5	13	<0.1	0.5	0.2	67	0.13	
JPR 88464	Soil				15.0	84.8	129.4	113	0.7	41.6	10.0	402	2.83	5.1	4.4	5.0	5.8	32	0.9	0.2	0.9	58	0.25	
JPR 88465	Soil				2.9	33.6	9.0	67	0.2	22.1	8.6	232	2.68	7.0	1.6	1.5	5.5	24	0.2	0.4	0.2	67	0.19	
JPR 88466	Soil				4.6	52.9	7.9	69	0.2	28.8	13.4	319	3.19	5.7	2.2	4.1	6.6	36	0.3	0.3	0.2	67	0.22	
JPR 88570	Soil				0.8	45.9	8.5	51	<0.1	30.3	9.5	284	2.58	10.8	1.4	5.2	5.2	47	<0.1	0.6	0.2	59	0.28	
JPR 88572	Soil				0.9	38.1	8.3	43	<0.1	26.5	11.5	282	2.30	9.4	0.8	2.3	4.1	24	<0.1	0.5	0.2	52	0.11	
JPR 88574	Soil				1.3	85.9	7.4	76	0.1	58.6	19.9	768	3.19	7.4	1.7	2.3	4.7	31	0.2	0.5	0.2	82	0.13	
JPR 88577	Soil				1.2	92.4	7.2	84	0.1	64.2	21.0	830	3.24	6.8	1.9	4.0	5.1	34	0.2	0.5	0.2	90	0.14	
JPR 88594	Soil				1.6	27.2	26.5	84	0.1	7.5	16.0	770	4.15	3.4	1.3	5.3	10.6	21	0.2	0.3	0.3	90	0.26	
JPR 88595	Soil				3.7	74.4	10.0	75	<0.1	13.7	16.2	577	3.76	5.3	1.1	2.5	8.8	22	<0.1	0.5	0.1	87	0.24	
JPR 88596	Soil				0.6	73.6	58.4	174	<0.1	9.2	23.4	1022	4.59	1.9	1.0	1.4	11.3	28	0.4	0.2	<0.1	103	0.40	
JPR 88597	Soil				1.0	59.2	5.1	60	<0.1	12.2	15.6	624	3.70	4.4	0.6	8.2	11.2	21	<0.1	0.2	<0.1	86	0.24	
JPR 88598	Soil				2.0	69.4	75.7	153	0.3	13.9	16.8	1205	4.80	6.3	1.8	1.2	7.0	18	0.8	0.5	1.0	118	0.15	
JPR 88599	Soil				0.6	17.3	10.7	51	0.2	14.7	10.8	381	3.09	7.6	0.5	3.3	4.8	17	<0.1	0.4	0.2	75	0.16	
JPR 88601	Soil				0.7	38.5	11.7	75	<0.1	13.8	17.8	604	4.19	6.1	0.4	1.3	5.4	15	0.2	0.3	0.4	98	0.14	
JPR 88602	Soil				1.4	17.7	8.2	67	<0.1	16.4	15.6	548	4.23	10.1	0.4	0.8	3.9	14	0.1	0.7	0.1	99	0.14	
JPR 88603	Soil				0.5	21.3	21.8	55	<0.1	6.9	16.1	726	4.03	2.3	0.5	<0.5	9.8	17	<0.1	0.4	0.2	96	0.22	
JPR 88604	Soil				1.7	31.5	11.6	64	0.1	15.2	12.8	527	3.58	6.7	1.3	2.0	8.6	13	0.1	0.5	0.3	87	0.13	
JPR 88605	Soil				1.0	45.6	338.8	169	0.2	9.9	9.7	607	3.97	4.8	3.1	5.2	30.7	21	0.4	0.6	5.4	70	0.18	
JPR 88606	Soil				1.1	25.3	20.0	51	<0.1	20.1	9.5	445	2.90	10.8	0.8	3.2	7.4	16	0.3	0.7	0.4	61	0.12	
JPR 88607	Soil				3.5	62.9	74.9	118	<0.1	13.0	11.1	508	4.04	8.6	3.3	2.3	28.6	17	0.4	0.7	1.3	68	0.12	
JPR 88608	Soil				1.8	25.8	7.3	70	<0.1	5.5	9.3	658	3.12	4.1	1.4	0.7	17.3	106	0.1	0.3	<0.1	37	0.24	
JPR 88609	Soil				0.8	23.5	7.9	78	<0.1	6.9	9.0	683	3.97	5.9	1.3	<0.5	18.2	21	0.2	0.4	<0.1	56	0.21	
JPR 88610	Soil				0.8	17.5	9.6	56	<0.1	10.7	7.3	379	2.75	5.8	0.9	0.9	12.1	14	0.1	0.3	0.2	57	0.13	



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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
		P	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
		0.001	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
JPR 88167	Soil	0.094	56	47	1.20	206	0.215	<1	3.08	0.018	1.21	<0.1	<0.01	5.9	0.7	<0.05	10	<0.5
JPR 88415	Soil	0.030	12	24	0.91	204	0.155	<1	1.75	0.017	0.39	0.1	<0.01	2.8	0.2	<0.05	5	<0.5
JPR 88416	Soil	0.026	14	26	0.89	180	0.153	<1	1.99	0.010	0.30	0.1	0.01	2.7	0.2	<0.05	5	0.7
JPR 88417	Soil	0.058	13	31	0.64	211	0.085	2	1.41	0.009	0.10	0.2	0.01	2.3	<0.1	<0.05	5	0.7
JPR 88418	Soil	0.080	8	23	0.87	332	0.170	1	2.28	0.012	0.58	0.1	<0.01	2.6	0.2	<0.05	6	<0.5
JPR 88420	Soil	0.216	12	29	1.13	608	0.162	<1	2.57	0.014	0.61	<0.1	0.02	5.6	0.2	<0.05	8	0.8
JPR 88437	Soil	0.043	10	28	0.66	162	0.126	<1	1.89	0.010	0.24	0.1	0.02	2.3	<0.1	<0.05	6	<0.5
JPR 88464	Soil	0.062	22	33	0.75	202	0.099	<1	1.37	0.011	0.37	0.1	0.02	4.0	0.2	0.22	5	1.1
JPR 88465	Soil	0.034	16	30	0.65	224	0.120	<1	1.59	0.010	0.14	0.1	0.02	3.1	<0.1	<0.05	5	0.6
JPR 88466	Soil	0.060	20	40	1.02	284	0.146	<1	2.08	0.012	0.36	0.1	0.01	3.7	0.2	0.05	6	0.6
JPR 88570	Soil	0.055	23	38	0.51	381	0.081	<1	1.72	0.011	0.05	0.1	0.05	6.9	<0.1	<0.05	5	<0.5
JPR 88572	Soil	0.019	10	31	0.32	203	0.054	<1	1.58	0.006	0.04	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5
JPR 88574	Soil	0.036	13	55	0.36	381	0.070	<1	1.23	0.007	0.09	0.1	0.03	8.1	0.1	<0.05	5	<0.5
JPR 88577	Soil	0.037	14	61	0.37	403	0.075	<1	1.17	0.007	0.10	0.1	0.03	8.8	0.2	<0.05	5	<0.5
JPR 88594	Soil	0.058	20	13	1.20	218	0.184	<1	2.41	0.009	0.94	<0.1	0.01	4.6	0.3	<0.05	8	<0.5
JPR 88595	Soil	0.034	36	23	1.19	294	0.208	<1	2.73	0.012	0.72	0.2	0.02	4.0	0.3	<0.05	7	<0.5
JPR 88596	Soil	0.057	29	13	1.79	265	0.222	<1	2.90	0.010	1.12	<0.1	0.01	3.9	0.5	<0.05	8	0.5
JPR 88597	Soil	0.033	28	18	1.31	190	0.225	<1	2.48	0.011	1.04	0.1	0.01	2.8	0.3	<0.05	7	<0.5
JPR 88598	Soil	0.031	13	22	1.07	273	0.185	<1	2.40	0.009	0.59	0.1	0.02	10.2	0.3	<0.05	9	0.7
JPR 88599	Soil	0.022	10	26	0.76	219	0.147	11	2.03	0.012	0.23	0.1	0.02	3.2	0.1	<0.05	6	<0.5
JPR 88601	Soil	0.030	7	19	1.28	200	0.236	<1	2.86	0.009	0.64	0.1	<0.01	2.4	0.3	<0.05	7	<0.5
JPR 88602	Soil	0.039	6	26	1.08	205	0.197	<1	2.78	0.009	0.40	0.2	0.01	2.6	0.2	<0.05	8	<0.5
JPR 88603	Soil	0.041	11	11	1.39	221	0.225	<1	2.85	0.009	1.07	0.2	0.01	3.4	0.5	<0.05	8	<0.5
JPR 88604	Soil	0.047	9	25	0.82	170	0.150	<1	1.93	0.012	0.39	0.1	0.01	5.8	0.1	<0.05	7	<0.5
JPR 88605	Soil	0.027	74	16	0.73	224	0.142	<1	2.48	0.010	0.49	0.1	0.02	7.3	0.5	<0.05	10	<0.5
JPR 88606	Soil	0.032	13	29	0.46	207	0.093	1	2.09	0.014	0.10	0.2	0.02	3.1	0.1	<0.05	6	<0.5
JPR 88607	Soil	0.017	47	22	0.67	217	0.165	<1	2.32	0.010	0.38	0.1	0.01	4.7	0.3	<0.05	8	0.6
JPR 88608	Soil	0.040	16	10	0.77	804	0.182	<1	2.38	0.010	0.63	0.1	<0.01	2.6	0.6	<0.05	6	<0.5
JPR 88609	Soil	0.104	23	11	0.89	190	0.154	<1	3.24	0.008	0.67	0.1	0.01	4.3	0.4	<0.05	10	<0.5
JPR 88610	Soil	0.038	19	21	0.53	191	0.115	<1	1.79	0.015	0.28	0.1	<0.01	3.4	0.2	<0.05	7	<0.5



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	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
JPR 88611	Soil		1.6	26.1	4.5	77	<0.1	7.6	12.0	959	4.53	4.2	1.2	0.7	15.9	12	<0.1	0.2	<0.1	81	0.16
JPR 88612	Soil		1.2	21.7	5.9	83	0.2	13.5	13.5	715	4.17	7.1	0.7	15.0	13.3	20	0.1	0.3	<0.1	75	0.22
JPR 88613	Soil		0.8	24.9	7.9	61	<0.1	20.8	10.1	568	3.12	9.2	0.8	1.2	10.5	19	<0.1	0.5	0.1	62	0.18
JPR 88614	Soil		1.1	19.9	11.8	124	0.1	25.6	11.2	701	2.91	9.4	0.6	<0.5	4.8	24	0.5	0.6	0.3	70	0.22
JPR 88615	Soil		1.1	23.6	12.6	53	0.1	23.3	11.3	476	3.01	10.7	0.9	1.6	6.2	21	0.1	0.7	0.2	71	0.18
JPR 88616	Soil		1.2	19.5	11.1	52	<0.1	23.5	10.9	483	3.08	11.1	0.6	1.7	4.9	20	0.1	0.6	0.2	71	0.17
JPR 88617	Soil		4.6	111.8	7.0	105	<0.1	37.2	11.8	528	4.39	8.0	0.8	<0.5	4.1	15	0.2	0.2	0.1	159	0.06
JPR 88618	Soil		2.9	115.1	6.4	102	<0.1	76.6	12.5	642	3.64	2.7	2.0	1.5	7.0	35	0.2	0.3	0.1	159	0.50
JPR 88619	Soil		1.9	32.0	12.8	65	0.3	34.0	9.7	282	3.58	15.0	0.7	1.7	3.7	14	0.1	0.6	0.2	90	0.11
JPR 88620	Soil		0.1	10.3	1.7	43	<0.1	58.7	24.5	404	3.93	2.0	0.5	<0.5	2.8	42	<0.1	0.1	<0.1	91	1.05
JPR 88621	Soil		1.8	56.5	8.3	90	<0.1	176.9	17.8	328	3.48	23.6	0.8	7.7	2.7	16	0.2	0.5	0.7	119	0.26
JPR 88622	Soil		0.2	31.1	6.5	47	0.1	21.3	10.9	341	2.45	5.8	1.1	2.0	1.6	39	<0.1	0.3	0.1	67	1.10
JPR 88623	Soil		0.7	37.5	8.8	92	0.1	42.5	18.3	499	4.35	3.5	1.9	4.1	14.7	32	0.2	0.2	0.1	66	0.86
JPR 88624	Soil		0.7	24.1	8.7	66	<0.1	30.9	13.0	316	3.22	6.3	0.8	1.4	7.1	33	<0.1	0.4	0.1	59	0.36
JPR 88625	Soil		0.3	30.5	10.2	71	<0.1	28.4	13.1	358	3.44	3.8	1.5	1.3	15.3	25	<0.1	0.2	0.2	51	0.44
JPR 88626	Soil		0.2	36.1	8.0	80	<0.1	39.4	17.2	206	3.83	1.7	2.5	0.7	20.5	19	<0.1	0.1	0.2	52	0.44
JPR 88627	Soil		0.5	23.0	7.4	64	<0.1	27.1	12.1	257	2.94	5.5	1.4	0.9	10.4	21	<0.1	0.3	0.2	49	0.28
JPR 88647	Soil		0.5	39.1	7.6	79	<0.1	35.4	14.6	296	4.14	3.1	1.7	3.0	13.0	22	<0.1	0.4	0.2	45	0.26
JPR 88652	Soil		0.4	9.8	5.0	87	<0.1	10.0	13.9	719	4.23	4.7	0.7	1.3	16.1	19	<0.1	0.3	<0.1	71	0.18
JPR 88653	Soil		0.5	14.2	13.1	80	<0.1	10.4	10.3	504	3.83	5.4	2.0	2.7	20.8	26	<0.1	0.4	0.1	68	0.33
JPR 88654	Soil		0.2	12.4	3.6	66	<0.1	6.4	10.8	634	3.55	2.6	1.2	1.4	15.6	27	<0.1	0.2	<0.1	62	0.40
JPR 88655	Soil		1.8	13.0	7.4	83	<0.1	11.9	13.2	610	4.49	7.0	0.7	1.7	13.7	14	<0.1	0.3	0.1	81	0.13
JPR 88656	Soil		0.2	9.2	6.5	83	<0.1	5.4	10.5	662	3.41	2.1	1.4	1.4	22.0	23	<0.1	0.2	<0.1	60	0.35
JPR 88657	Soil		0.4	9.1	4.0	74	<0.1	31.0	18.0	580	3.66	4.2	0.5	<0.5	4.4	26	<0.1	0.3	<0.1	91	0.32
JPR 88658	Soil		0.7	9.0	25.5	75	<0.1	5.9	10.6	562	3.76	3.3	1.5	1.5	12.2	17	<0.1	0.2	0.1	79	0.21
JPR 88659	Soil		0.9	8.3	5.8	90	<0.1	10.1	15.1	933	4.20	5.5	0.6	<0.5	9.8	16	<0.1	0.4	0.1	87	0.15
JPR 88722	Soil		0.9	12.4	8.7	49	<0.1	15.6	7.8	248	2.82	9.0	0.4	4.6	4.0	16	<0.1	0.5	0.2	65	0.15
JPR 88754	Soil		1.3	30.3	29.7	82	0.3	22.4	9.3	323	2.69	9.0	0.8	27.7	4.2	30	0.3	0.6	0.3	54	0.26
JPR 88755	Soil		1.9	17.1	32.6	99	0.3	16.5	7.2	198	2.57	8.1	0.4	19.7	2.5	14	1.3	0.6	0.4	65	0.10
JPR 88756	Soil		1.7	26.3	20.6	75	0.6	26.2	11.0	291	3.19	12.6	0.6	9.5	4.3	16	0.7	0.8	0.3	66	0.11



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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
		P	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
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.1	0.05	1	0.5
JPR 88611	Soil	0.051	19	11	1.33	198	0.264	<1	2.76	0.009	1.28	<0.1	<0.01	8.9	0.4	<0.05	10	<0.5
JPR 88612	Soil	0.139	16	16	1.10	171	0.232	<1	2.77	0.010	0.97	0.2	0.01	3.3	0.4	<0.05	9	<0.5
JPR 88613	Soil	0.040	18	28	0.69	202	0.140	<1	2.09	0.009	0.34	0.2	0.02	3.5	0.2	<0.05	6	<0.5
JPR 88614	Soil	0.055	12	34	0.49	327	0.079	1	2.43	0.010	0.07	0.1	0.02	3.2	<0.1	<0.05	7	<0.5
JPR 88615	Soil	0.031	17	39	0.48	313	0.098	11	2.21	0.018	0.07	0.1	0.02	4.5	0.1	<0.05	6	<0.5
JPR 88616	Soil	0.032	13	38	0.48	295	0.087	<1	2.30	0.011	0.07	0.1	0.02	3.7	<0.1	<0.05	6	<0.5
JPR 88617	Soil	0.116	12	94	1.06	1205	0.236	<1	2.13	0.013	0.52	<0.1	0.03	6.9	0.2	0.05	11	3.7
JPR 88618	Soil	0.190	26	158	1.60	1154	0.164	<1	2.49	0.013	0.79	<0.1	0.05	9.8	0.3	0.09	9	1.3
JPR 88619	Soil	0.058	12	52	0.51	207	0.091	6	2.02	0.012	0.06	0.1	0.02	4.1	<0.1	<0.05	8	<0.5
JPR 88620	Soil	0.294	18	96	2.04	468	0.216	<1	2.11	0.041	0.52	<0.1	<0.01	6.6	0.1	<0.05	7	<0.5
JPR 88621	Soil	0.045	11	198	1.48	452	0.118	1	2.16	0.008	0.10	0.1	0.01	4.6	<0.1	<0.05	9	0.6
JPR 88622	Soil	0.102	10	24	1.75	700	0.041	2	1.89	0.021	0.03	0.1	0.04	4.6	<0.1	0.06	5	0.6
JPR 88623	Soil	0.070	31	52	1.26	263	0.181	<1	2.53	0.011	0.56	<0.1	0.02	4.9	0.4	<0.05	10	<0.5
JPR 88624	Soil	0.039	20	41	0.72	218	0.100	1	2.21	0.012	0.10	0.1	0.01	3.6	0.2	<0.05	6	<0.5
JPR 88625	Soil	0.046	28	38	0.82	183	0.128	<1	2.19	0.010	0.35	<0.1	0.01	4.1	0.2	<0.05	7	<0.5
JPR 88626	Soil	0.102	48	50	1.10	192	0.186	<1	2.44	0.010	0.88	<0.1	<0.01	4.6	0.6	<0.05	9	<0.5
JPR 88627	Soil	0.038	27	36	0.68	208	0.114	1	1.80	0.011	0.25	0.1	0.01	3.7	0.2	<0.05	6	<0.5
JPR 88647	Soil	0.043	40	38	0.49	200	0.073	2	1.42	0.010	0.35	<0.1	0.02	6.1	0.3	<0.05	6	0.6
JPR 88652	Soil	0.031	23	14	1.11	159	0.194	<1	2.71	0.008	0.87	<0.1	0.01	2.2	0.5	<0.05	9	<0.5
JPR 88653	Soil	0.037	64	16	1.34	129	0.118	<1	2.50	0.007	0.43	0.1	0.01	6.0	0.3	<0.05	10	<0.5
JPR 88654	Soil	0.033	45	10	1.06	185	0.157	<1	2.46	0.011	0.73	<0.1	0.01	4.9	0.4	<0.05	9	<0.5
JPR 88655	Soil	0.047	15	18	1.06	131	0.247	<1	2.77	0.010	0.98	0.1	0.01	2.4	0.5	<0.05	9	<0.5
JPR 88656	Soil	0.091	32	10	0.95	203	0.198	<1	2.15	0.008	1.02	<0.1	0.01	2.0	0.6	<0.05	7	<0.5
JPR 88657	Soil	0.035	12	48	1.82	193	0.206	<1	2.93	0.008	0.39	<0.1	<0.01	3.3	0.2	<0.05	7	<0.5
JPR 88658	Soil	0.046	18	11	0.94	232	0.195	<1	2.06	0.009	0.83	<0.1	<0.01	5.1	0.2	<0.05	8	<0.5
JPR 88659	Soil	0.033	11	17	1.14	163	0.211	<1	3.07	0.010	0.86	0.1	0.02	1.9	0.4	<0.05	9	<0.5
JPR 88722	Soil	0.025	9	30	0.53	171	0.092	<1	2.02	0.009	0.10	0.2	0.02	2.4	0.1	<0.05	6	<0.5
JPR 88754	Soil	0.027	19	34	0.51	308	0.064	<1	1.79	0.012	0.06	0.1	0.03	4.2	<0.1	<0.05	5	<0.5
JPR 88755	Soil	0.023	13	27	0.30	227	0.055	<1	1.73	0.007	0.04	0.1	0.02	2.6	0.1	<0.05	6	<0.5
JPR 88756	Soil	0.030	11	37	0.53	281	0.056	1	2.73	0.011	0.05	0.2	0.03	3.4	0.1	<0.05	6	<0.5



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	Method Analyte	Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
			kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
			0.01	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
JPR 88769	Soil		1.0	28.1	8.6	57	0.1	18.6	9.7	367	3.21	11.2	0.4	2.4	2.8	20	<0.1	0.6	0.8	68	0.20	
JPR 88770	Soil		0.8	21.5	7.1	64	<0.1	14.8	12.9	704	3.22	7.6	0.5	2.1	5.2	19	<0.1	0.5	0.1	78	0.22	
JPR 88783	Soil		1.0	13.6	8.2	56	<0.1	12.4	9.2	330	2.95	10.2	1.3	0.8	5.1	18	<0.1	0.7	0.1	60	0.17	
JPR 88856	Soil		0.4	11.9	12.1	88	<0.1	5.8	7.8	635	3.49	4.1	1.7	1.3	7.2	137	<0.1	0.2	<0.1	61	0.81	
JPR 88857	Soil		1.2	15.7	8.6	60	<0.1	15.0	9.9	892	3.74	10.3	0.7	1.1	3.6	54	0.1	0.4	0.1	73	0.31	
JPR 88858	Soil		0.9	18.9	8.7	51	<0.1	23.7	11.0	383	3.39	11.4	0.6	1.4	3.7	44	<0.1	0.6	0.2	63	0.24	
JPR 88859	Soil		0.2	19.4	15.0	76	<0.1	4.4	9.3	403	3.60	1.5	1.9	1.1	7.7	192	<0.1	0.1	0.1	50	1.07	
JPR 88893	Soil		0.4	18.5	6.2	60	<0.1	4.5	10.0	470	2.92	3.0	1.1	0.5	5.9	87	<0.1	0.2	<0.1	47	0.62	
JPR 88894	Soil		0.4	14.3	10.6	80	<0.1	3.2	8.6	454	3.45	2.8	2.0	0.9	8.0	80	<0.1	0.3	0.1	67	0.69	
JPR 88895	Soil		1.1	11.3	8.1	55	<0.1	11.8	9.8	500	3.50	9.6	0.7	0.7	3.3	63	0.1	0.3	<0.1	79	0.40	
JPR 88896	Soil		1.4	14.4	9.2	59	<0.1	18.8	9.2	511	3.93	11.6	0.9	0.5	5.5	66	<0.1	0.6	0.2	78	0.36	
JPR 88897	Soil		1.1	15.3	9.5	51	<0.1	19.8	8.5	358	3.62	11.6	0.7	2.3	4.1	45	0.1	0.5	0.1	70	0.25	
JPR 88898	Soil		0.8	22.8	7.4	47	<0.1	20.3	7.6	337	2.84	9.4	1.7	2.3	4.8	45	<0.1	0.6	0.1	61	0.29	
JPR 88907	Soil		0.8	10.0	9.5	39	<0.1	13.9	6.1	195	2.39	6.4	0.6	1.0	3.5	24	<0.1	0.4	0.1	59	0.17	
JPR 88908	Soil		0.5	5.8	2.3	36	<0.1	4.5	6.9	507	3.62	2.0	2.4	1.2	5.7	17	<0.1	0.2	<0.1	31	0.24	
JPR 88929	Soil		1.6	12.2	49.3	56	0.1	14.9	7.8	365	3.26	11.5	0.5	<0.5	3.2	35	0.1	0.5	0.4	68	0.23	
JPR 88930	Soil		1.0	38.5	33.2	81	0.1	79.9	18.7	748	3.80	15.5	1.5	2.9	6.3	39	0.1	0.7	0.5	77	0.35	
JPR 88931	Soil		1.5	16.8	13.8	71	0.3	23.7	11.9	393	3.35	12.0	0.8	1.9	4.5	14	0.6	0.7	0.2	60	0.15	
JPR 88932	Soil		1.4	15.6	13.0	57	0.1	21.7	9.8	362	3.22	11.6	0.6	1.7	4.2	14	0.2	0.7	0.2	62	0.12	
JPR 88933	Soil		1.2	16.8	14.5	55	0.1	22.4	9.2	255	2.86	11.0	0.4	1.5	2.5	13	0.2	0.6	0.2	63	0.11	
JPR 88934	Soil		0.7	25.6	11.9	59	<0.1	22.9	9.1	340	2.40	8.8	0.9	3.0	2.8	29	<0.1	0.5	0.2	50	0.31	
JPR 88935	Soil		1.5	16.4	11.5	55	0.1	24.5	11.2	495	3.14	10.9	0.4	1.3	3.0	13	<0.1	0.6	0.3	64	0.12	
JPR 88936	Soil		0.7	110.5	23.7	101	<0.1	80.1	23.9	1823	4.35	5.4	1.0	1.0	4.9	20	<0.1	0.4	0.1	98	0.24	
JPR 88937	Soil		1.2	77.5	8.0	74	<0.1	60.9	20.4	628	3.77	10.4	0.9	2.3	4.2	13	0.1	0.6	0.1	89	0.19	
JPR 88938	Soil		1.1	29.1	8.1	68	<0.1	26.0	14.8	619	2.92	9.2	0.6	2.1	2.7	14	0.1	0.5	0.2	61	0.20	
JPR 88951	Soil		1.0	52.7	15.1	82	0.1	44.9	14.8	660	3.53	17.1	0.7	11.6	4.1	11	0.2	0.8	0.2	73	0.09	
JPR 88952	Soil		1.1	54.7	35.3	145	<0.1	58.3	31.2	1514	5.83	8.8	1.1	<0.5	3.7	21	0.3	0.9	0.4	162	0.31	
JPR 88953	Soil		1.1	63.8	13.6	98	<0.1	44.0	18.9	800	3.90	11.9	0.8	3.6	4.3	11	0.3	0.7	0.3	99	0.11	
JPR 88954	Soil		1.5	60.2	13.5	77	0.4	36.3	15.2	467	4.05	21.7	0.7	0.7	3.6	10	0.1	0.9	0.8	86	0.09	
JPR 88955	Soil		1.7	53.7	14.0	80	0.6	32.6	14.2	418	3.99	20.4	0.6	2.1	3.4	10	0.2	0.8	0.7	85	0.08	



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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
		P % 0.001	La ppm 1	Cr ppm 1	Mg % 0.01	Ba ppm 1	Ti % 0.001	B ppm 1	Al % 0.01	Na % 0.001	K % 0.01	W ppm 0.1	Hg ppm 0.01	Sc ppm 0.1	Tl ppm 0.1	S % 0.05	Ga ppm 1	Se ppm 0.5
JPR 88769	Soil	0.068	8	26	0.54	249	0.082	<1	1.94	0.010	0.14	0.4	0.01	2.4	0.2	<0.05	6	<0.5
JPR 88770	Soil	0.029	11	28	0.87	191	0.149	1	2.20	0.011	0.45	0.3	0.02	3.3	0.2	<0.05	6	<0.5
JPR 88783	Soil	0.019	16	20	0.50	252	0.097	<1	1.86	0.007	0.21	0.1	0.14	3.7	0.7	<0.05	6	<0.5
JPR 88856	Soil	0.099	28	8	0.93	306	0.129	<1	2.97	0.125	0.06	<0.1	0.01	6.8	<0.1	<0.05	7	<0.5
JPR 88857	Soil	0.042	16	22	0.52	292	0.052	<1	3.14	0.018	0.03	0.1	0.03	5.8	<0.1	<0.05	8	0.5
JPR 88858	Soil	0.033	11	31	0.58	313	0.053	<1	3.13	0.013	0.05	0.1	0.02	4.3	0.1	<0.05	6	<0.5
JPR 88859	Soil	0.134	27	6	1.18	222	0.097	<1	2.32	0.191	0.10	<0.1	<0.01	6.2	<0.1	<0.05	6	<0.5
JPR 88893	Soil	0.105	19	4	1.11	120	0.063	<1	1.84	0.036	0.04	<0.1	<0.01	7.2	<0.1	<0.05	5	<0.5
JPR 88894	Soil	0.139	27	4	0.97	138	0.101	<1	1.53	0.040	0.06	<0.1	<0.01	6.0	<0.1	<0.05	6	0.5
JPR 88895	Soil	0.096	12	15	0.83	341	0.084	1	2.88	0.022	0.04	0.1	0.01	4.6	<0.1	<0.05	8	<0.5
JPR 88896	Soil	0.041	11	34	0.56	282	0.098	2	3.22	0.014	0.07	0.1	0.01	4.9	<0.1	<0.05	8	<0.5
JPR 88897	Soil	0.039	10	32	0.53	322	0.068	<1	3.22	0.014	0.05	0.1	0.02	4.3	0.1	<0.05	7	<0.5
JPR 88898	Soil	0.024	22	34	0.51	253	0.076	<1	1.92	0.016	0.04	0.1	0.03	6.6	<0.1	<0.05	5	<0.5
JPR 88907	Soil	0.020	13	29	0.39	221	0.067	<1	2.00	0.016	0.03	0.2	0.02	3.2	0.1	<0.05	6	<0.5
JPR 88908	Soil	0.055	34	9	0.61	190	0.075	<1	1.64	0.009	0.25	<0.1	<0.01	9.8	<0.1	<0.05	9	<0.5
JPR 88929	Soil	0.032	16	27	0.56	236	0.018	<1	2.19	0.010	0.04	0.1	0.01	2.7	0.2	<0.05	8	<0.5
JPR 88930	Soil	0.066	29	124	1.26	472	0.080	2	2.43	0.013	0.07	0.3	0.02	7.4	0.1	<0.05	8	0.8
JPR 88931	Soil	0.062	9	42	0.45	213	0.054	1	3.35	0.011	0.04	0.3	0.04	3.5	0.1	<0.05	5	0.6
JPR 88932	Soil	0.028	11	37	0.48	373	0.048	1	2.52	0.009	0.05	0.2	0.03	3.1	0.1	<0.05	6	0.6
JPR 88933	Soil	0.024	8	29	0.49	197	0.053	1	2.14	0.007	0.04	0.2	0.02	2.3	<0.1	<0.05	6	<0.5
JPR 88934	Soil	0.068	15	30	0.53	327	0.046	<1	1.51	0.011	0.04	0.2	0.03	3.6	<0.1	<0.05	4	<0.5
JPR 88935	Soil	0.033	10	34	0.49	235	0.052	2	2.08	0.009	0.06	0.2	0.03	2.6	<0.1	<0.05	6	<0.5
JPR 88936	Soil	0.060	24	91	1.42	469	0.149	2	2.54	0.009	0.30	<0.1	0.04	8.2	0.2	<0.05	9	<0.5
JPR 88937	Soil	0.057	14	76	1.10	284	0.158	<1	2.59	0.011	0.21	0.1	0.03	5.1	0.2	<0.05	8	0.6
JPR 88938	Soil	0.068	10	44	0.64	168	0.084	1	1.97	0.008	0.10	0.2	0.02	3.1	0.1	<0.05	5	0.5
JPR 88951	Soil	0.029	12	49	0.61	234	0.054	2	2.24	0.008	0.07	0.1	0.02	4.2	0.1	<0.05	6	0.8
JPR 88952	Soil	0.089	21	98	1.67	420	0.116	<1	3.15	0.013	0.25	<0.1	0.02	13.2	0.1	<0.05	11	0.8
JPR 88953	Soil	0.042	11	53	0.94	338	0.164	1	2.66	0.009	0.44	0.1	0.02	5.2	0.2	<0.05	9	<0.5
JPR 88954	Soil	0.042	12	53	0.66	278	0.091	<1	2.35	0.007	0.16	0.1	0.02	4.0	0.1	<0.05	8	0.7
JPR 88955	Soil	0.045	11	49	0.61	276	0.076	1	2.40	0.007	0.12	0.1	0.02	3.6	0.1	<0.05	8	0.8



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	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
JPR 88956	Soil		2.0	133.8	25.3	100	0.1	70.9	15.8	1166	5.19	55.0	1.4	1.7	6.0	15	0.2	0.9	9.4	107	0.13
JPR 88957	Soil		1.8	121.5	22.4	98	0.2	67.2	15.0	1108	4.96	48.2	1.3	1.8	5.7	16	0.2	0.9	7.8	107	0.15
JPR 88958	Soil		2.7	67.7	33.7	106	0.2	58.8	9.2	267	4.18	133.8	1.0	0.9	3.2	14	0.3	3.5	5.1	90	0.09
JPR 88960	Soil		1.2	14.3	16.1	44	0.1	9.3	6.1	573	2.61	5.7	0.3	1.0	0.7	15	0.2	0.5	0.3	62	0.14
JPR 88961	Soil		1.0	24.5	35.2	62	<0.1	24.5	9.2	334	2.88	11.3	0.7	1.7	4.7	15	<0.1	0.6	0.2	58	0.15
JPR 88962	Soil		0.8	12.7	35.1	82	<0.1	11.3	6.2	666	2.29	6.4	0.6	0.9	3.5	21	<0.1	0.6	0.2	39	0.25
JPR 88963	Soil		1.2	26.7	16.4	62	0.2	21.1	9.3	397	2.90	10.7	1.0	1.9	4.7	15	0.1	0.6	0.2	63	0.15
JPR 88964	Soil		0.9	20.6	16.0	64	<0.1	30.4	10.3	443	2.71	12.0	0.8	3.4	4.1	22	<0.1	0.6	0.2	58	0.26
JPR 88965	Soil		0.8	24.0	32.4	53	0.1	22.7	8.5	403	2.49	9.1	1.4	2.9	3.9	27	<0.1	0.4	0.2	52	0.34
JPR 88966	Soil		1.1	27.8	19.9	40	0.3	13.1	5.6	350	1.92	5.1	1.0	<0.5	1.0	22	0.3	0.3	0.3	46	0.20
JPR 88967	Soil		0.9	18.2	15.6	54	0.1	18.6	8.2	388	2.50	8.0	1.0	0.9	2.9	24	0.2	0.4	0.3	57	0.26
JPR 88968	Soil		1.1	16.2	15.2	53	0.1	16.0	6.7	316	2.16	6.7	0.7	1.9	1.8	31	0.2	0.3	0.2	56	0.34
JPR 88969	Soil		0.6	18.1	11.5	53	<0.1	17.6	7.3	326	2.17	6.6	0.9	1.3	2.9	32	<0.1	0.4	0.2	49	0.42
JPR 88970	Soil		1.1	11.7	12.9	45	0.1	11.0	5.4	282	2.07	6.6	0.6	0.8	1.6	22	<0.1	0.3	0.1	42	0.27
JPR 88971	Soil		0.8	10.1	11.7	47	<0.1	11.9	7.7	390	2.30	6.4	0.6	2.6	2.9	19	<0.1	0.3	0.1	49	0.23
JPR 88972	Soil		1.1	14.5	13.4	57	<0.1	12.5	9.2	416	3.05	8.1	0.5	<0.5	3.2	21	<0.1	0.3	0.1	53	0.21
JPR 88973	Soil		1.5	12.8	14.4	53	<0.1	11.4	8.2	451	3.03	10.6	0.6	1.4	2.9	43	0.1	0.3	0.1	51	0.51
JPR 88974	Soil		0.8	9.6	10.7	47	<0.1	11.9	7.2	298	2.65	6.8	0.5	0.7	3.4	27	<0.1	0.3	0.1	53	0.30
JPR 88975	Soil		1.1	7.5	15.0	74	<0.1	4.7	7.8	718	3.24	3.9	1.2	0.8	5.8	64	<0.1	0.2	<0.1	44	0.86
JPR 88976	Soil		0.7	13.9	9.8	57	<0.1	14.4	8.6	474	2.71	5.9	0.9	1.8	4.1	39	<0.1	0.3	0.1	54	0.48
JPR 88977	Soil		0.6	13.2	9.7	53	<0.1	13.1	7.2	343	2.50	5.7	0.8	6.1	3.8	40	<0.1	0.3	0.1	51	0.45
JPR 88978	Soil		0.6	23.0	10.4	53	0.1	14.8	9.2	733	2.36	4.7	1.3	1.8	2.6	111	0.2	0.5	0.1	46	1.27
JPR 88979	Soil		0.5	18.4	10.1	50	<0.1	14.3	8.3	590	2.42	5.0	1.0	1.8	2.6	67	<0.1	0.4	0.2	44	0.67
JPR 88980	Soil		0.5	12.4	8.9	49	<0.1	12.1	7.0	354	2.36	5.5	0.9	2.0	3.5	51	<0.1	0.2	0.2	48	0.51
JPR 88981	Soil		0.6	16.6	12.5	51	<0.1	15.9	8.7	433	2.68	7.9	0.7	2.2	4.0	37	<0.1	0.4	0.2	51	0.40
JPR 88982	Soil		0.5	12.3	13.1	52	<0.1	10.4	7.3	548	2.82	7.1	0.7	4.4	4.1	52	<0.1	0.2	0.1	47	0.62
JPR 88983	Soil		1.4	9.6	12.7	52	<0.1	10.1	5.4	269	2.88	7.8	0.4	1.0	1.3	23	0.1	0.3	0.2	60	0.22
JPR 88997	Soil		0.8	34.3	45.7	64	<0.1	21.4	9.9	426	3.11	8.9	0.7	1.8	4.0	18	<0.1	0.5	0.2	68	0.19
JPR 88998	Soil		1.1	12.4	12.7	55	<0.1	18.8	9.6	323	3.17	10.9	0.6	<0.5	3.5	14	0.1	0.6	0.2	66	0.14
JPR 88999	Soil		1.1	10.7	13.9	48	<0.1	17.3	9.1	289	3.30	11.0	0.5	1.1	3.3	15	<0.1	0.6	0.2	73	0.16



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CERTIFICATE OF ANALYSIS

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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
		P	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
		0.001	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
JPR 88956	Soil	0.078	25	77	1.35	471	0.126	1	3.09	0.006	0.41	<0.1	0.03	7.6	0.2	<0.05	10	1.4
JPR 88957	Soil	0.078	24	76	1.28	456	0.120	1	2.91	0.007	0.36	<0.1	0.03	7.7	0.2	<0.05	10	0.8
JPR 88958	Soil	0.071	12	112	0.66	425	0.073	1	1.90	0.005	0.20	<0.1	0.02	4.7	0.2	0.06	7	1.7
JPR 88960	Soil	0.055	8	19	0.27	325	0.036	<1	1.27	0.011	0.05	0.1	0.02	1.3	<0.1	<0.05	7	<0.5
JPR 88961	Soil	0.024	15	35	0.54	530	0.062	1	2.00	0.013	0.05	0.2	0.02	3.0	<0.1	<0.05	6	<0.5
JPR 88962	Soil	0.046	24	19	0.42	783	0.029	<1	1.33	0.010	0.05	0.2	0.02	2.4	<0.1	<0.05	5	<0.5
JPR 88963	Soil	0.029	16	36	0.46	355	0.058	<1	2.12	0.010	0.04	0.2	0.03	4.1	0.1	<0.05	6	0.5
JPR 88964	Soil	0.039	16	42	0.64	352	0.064	1	1.79	0.012	0.05	0.2	0.02	3.3	0.1	<0.05	5	<0.5
JPR 88965	Soil	0.040	20	33	0.49	415	0.042	<1	1.74	0.014	0.05	0.2	0.03	4.4	0.1	<0.05	6	<0.5
JPR 88966	Soil	0.036	15	22	0.26	284	0.032	2	1.40	0.015	0.05	0.1	0.03	2.4	0.1	<0.05	5	<0.5
JPR 88967	Soil	0.042	16	29	0.47	366	0.048	1	1.72	0.012	0.05	0.2	0.04	3.3	0.1	<0.05	6	<0.5
JPR 88968	Soil	0.039	13	25	0.39	290	0.039	<1	1.43	0.014	0.06	0.1	0.03	2.6	<0.1	<0.05	6	<0.5
JPR 88969	Soil	0.053	18	28	0.50	337	0.044	<1	1.66	0.013	0.04	0.2	0.03	3.2	0.1	<0.05	5	<0.5
JPR 88970	Soil	0.054	14	20	0.34	277	0.027	1	1.35	0.009	0.05	0.1	0.02	2.3	0.2	<0.05	5	<0.5
JPR 88971	Soil	0.038	16	24	0.44	327	0.033	<1	1.58	0.009	0.04	0.1	0.02	2.7	<0.1	<0.05	5	<0.5
JPR 88972	Soil	0.046	14	22	0.46	405	0.023	2	2.19	0.011	0.06	<0.1	0.02	3.2	0.1	<0.05	7	<0.5
JPR 88973	Soil	0.081	17	20	0.41	590	0.017	2	1.94	0.013	0.06	0.1	0.03	3.4	0.1	<0.05	5	<0.5
JPR 88974	Soil	0.044	12	23	0.40	351	0.028	2	1.70	0.010	0.05	0.2	0.03	2.5	<0.1	<0.05	6	<0.5
JPR 88975	Soil	0.143	27	6	0.85	426	0.009	2	2.36	0.012	0.06	0.2	0.02	5.0	<0.1	<0.05	8	<0.5
JPR 88976	Soil	0.076	19	23	0.61	372	0.043	2	1.96	0.015	0.05	0.2	0.02	4.3	<0.1	<0.05	6	<0.5
JPR 88977	Soil	0.067	17	24	0.58	408	0.043	1	1.80	0.013	0.04	0.1	0.02	3.4	<0.1	<0.05	6	<0.5
JPR 88978	Soil	0.100	21	19	0.41	484	0.021	3	1.67	0.014	0.04	0.2	0.04	4.8	<0.1	<0.05	5	<0.5
JPR 88979	Soil	0.100	24	20	0.40	663	0.022	2	1.85	0.018	0.04	0.1	0.07	5.0	<0.1	<0.05	5	<0.5
JPR 88980	Soil	0.064	16	21	0.41	461	0.031	1	1.83	0.013	0.04	0.1	0.03	4.1	<0.1	<0.05	5	<0.5
JPR 88981	Soil	0.063	17	24	0.49	322	0.043	1	1.83	0.013	0.05	0.1	0.02	4.5	<0.1	<0.05	5	<0.5
JPR 88982	Soil	0.085	18	15	0.51	340	0.015	2	2.08	0.011	0.05	0.1	0.02	4.3	<0.1	<0.05	7	<0.5
JPR 88983	Soil	0.056	13	17	0.39	242	0.027	<1	1.91	0.010	0.05	0.1	0.03	2.5	<0.1	<0.05	8	<0.5
JPR 88997	Soil	0.033	14	32	0.58	882	0.045	2	2.31	0.011	0.06	0.2	0.03	4.2	0.1	<0.05	6	<0.5
JPR 88998	Soil	0.049	11	34	0.47	170	0.064	2	2.32	0.013	0.05	0.2	0.05	2.9	0.1	<0.05	6	<0.5
JPR 88999	Soil	0.029	12	35	0.47	232	0.066	2	2.23	0.010	0.05	0.2	0.03	2.9	0.1	<0.05	7	<0.5



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	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
JPR 89000	Soil		1.0	14.7	13.3	63	<0.1	18.0	9.7	444	3.43	8.7	1.1	0.7	4.7	27	0.1	0.5	0.2	65	0.32
JPR 88096	Soil		0.5	20.3	15.1	57	<0.1	15.9	7.1	172	1.53	4.8	2.2	1.3	7.5	65	0.1	0.5	0.3	31	0.61



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CERTIFICATE OF ANALYSIS

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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
		P	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
		0.001	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
JPR 89000	Soil	0.070	20	32	0.49	258	0.040	1	1.98	0.011	0.06	0.3	0.03	4.4	0.1	<0.05	6	<0.5
JPR 88096	Soil	0.028	26	17	0.45	301	0.019	1	1.71	0.010	0.10	<0.1	0.05	3.9	0.3	<0.05	5	<0.5



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QUALITY CONTROL REPORT

VAN09005688.1

	Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	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																					
JPR 88028	Soil		1.2	25.4	11.1	64	<0.1	22.5	11.4	291	3.16	7.8	1.4	1.6	15.7	22	<0.1	0.7	0.2	63	0.30
REP JPR 88028	QC		1.1	25.0	10.9	62	<0.1	22.0	11.3	287	3.11	7.3	1.4	0.8	15.1	21	<0.1	0.7	0.2	63	0.29
JPR 88065	Soil		0.6	41.5	16.6	68	0.1	24.9	12.8	403	2.90	10.5	0.8	2.3	3.4	29	0.1	0.6	0.2	64	0.63
REP JPR 88065	QC		0.6	40.9	16.6	64	0.1	24.3	12.5	401	2.86	10.4	0.8	1.1	3.3	29	<0.1	0.6	0.2	62	0.61
JPR 88271	Soil		0.8	26.2	8.9	58	<0.1	27.4	13.6	245	3.46	5.4	1.5	6.6	11.8	19	<0.1	0.2	0.3	59	0.15
REP JPR 88271	QC		0.8	27.0	8.6	59	<0.1	28.4	13.7	245	3.42	5.0	1.5	0.8	12.1	19	<0.1	0.3	0.3	59	0.16
JPR 88124	Soil		0.3	19.8	2.9	251	<0.1	5.1	11.4	1162	6.38	1.3	1.4	5.4	4.9	16	<0.1	0.4	<0.1	52	0.47
REP JPR 88124	QC		0.3	20.3	3.0	256	<0.1	5.3	11.4	1186	6.60	1.3	1.5	6.7	5.1	16	0.1	0.4	<0.1	54	0.48
JPR 88138	Soil		0.7	30.7	8.2	62	<0.1	27.7	9.8	414	2.46	8.7	0.8	3.6	3.8	40	0.2	0.7	0.1	55	0.85
REP JPR 88138	QC		0.8	31.9	8.3	64	0.1	28.7	10.3	427	2.53	8.6	0.8	2.2	3.9	43	0.2	0.7	0.1	57	0.86
JPR 88620	Soil		0.1	10.3	1.7	43	<0.1	58.7	24.5	404	3.93	2.0	0.5	<0.5	2.8	42	<0.1	0.1	<0.1	91	1.05
REP JPR 88620	QC		0.1	10.4	1.4	42	<0.1	59.2	24.5	391	3.91	1.8	0.5	<0.5	2.5	39	<0.1	<0.1	<0.1	89	0.95
JPR 88623	Soil		0.7	37.5	8.8	92	0.1	42.5	18.3	499	4.35	3.5	1.9	4.1	14.7	32	0.2	0.2	0.1	66	0.86
REP JPR 88623	QC		0.8	39.3	9.4	94	0.1	43.5	18.4	521	4.46	3.7	1.8	0.8	15.2	33	0.1	0.2	0.1	70	0.87
JPR 88856	Soil		0.4	11.9	12.1	88	<0.1	5.8	7.8	635	3.49	4.1	1.7	1.3	7.2	137	<0.1	0.2	<0.1	61	0.81
REP JPR 88856	QC		0.4	12.1	11.8	88	<0.1	5.7	8.2	673	3.51	4.0	1.8	1.0	7.6	138	<0.1	0.2	<0.1	59	0.81
JPR 88955	Soil		1.7	53.7	14.0	80	0.6	32.6	14.2	418	3.99	20.4	0.6	2.1	3.4	10	0.2	0.8	0.7	85	0.08
REP JPR 88955	QC		1.6	52.3	13.9	81	0.6	33.4	14.4	428	4.04	20.5	0.6	1.8	3.5	10	0.1	0.8	0.7	85	0.09
JPR 88974	Soil		0.8	9.6	10.7	47	<0.1	11.9	7.2	298	2.65	6.8	0.5	0.7	3.4	27	<0.1	0.3	0.1	53	0.30
REP JPR 88974	QC		0.8	9.5	10.2	48	<0.1	11.3	7.3	294	2.59	6.5	0.6	1.0	3.5	28	<0.1	0.2	0.2	54	0.30
Reference Materials																					
STD DS7	Standard		21.0	118.8	72.0	398	0.8	58.0	9.5	581	2.29	53.4	5.4	60.2	5.0	75	6.8	6.5	4.9	82	0.91
STD DS7	Standard		21.0	116.9	70.2	396	0.9	55.8	9.1	565	2.21	51.4	5.4	123.7	4.8	68	6.9	6.4	5.1	81	0.91
STD DS7	Standard		20.0	109.2	65.6	395	0.8	55.8	8.9	551	2.16	48.2	4.9	78.4	4.5	74	6.2	6.0	4.6	80	0.90
STD DS7	Standard		22.1	115.3	70.2	408	0.9	58.1	9.9	577	2.28	52.1	5.1	85.0	4.5	73	6.5	6.3	4.8	82	0.94
STD DS7	Standard		20.7	118.9	72.0	397	0.8	55.8	9.4	573	2.21	51.5	5.4	74.7	5.1	69	6.7	6.4	5.0	81	0.89
STD DS7	Standard		20.6	109.5	68.8	390	0.7	54.9	9.1	591	2.20	47.8	5.0	65.0	4.8	74	6.2	6.2	4.6	82	0.93
STD DS7	Standard		20.3	105.0	66.6	395	0.8	55.9	8.7	591	2.23	51.9	4.6	61.4	4.4	76	6.4	5.9	4.6	81	0.93



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Project: JPR
Report Date: December 08, 2009

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QUALITY CONTROL REPORT

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		MDL	0.001	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
Pulp Duplicates																		
JPR 88028	Soil		0.030	26	40	0.74	216	0.096	1	2.00	0.014	0.10	0.1	0.03	4.6	0.2	<0.05	6
REP JPR 88028	QC		0.029	26	40	0.72	215	0.094	<1	1.93	0.012	0.10	0.1	0.02	4.3	0.2	<0.05	6
JPR 88065	Soil		0.068	14	27	0.83	285	0.081	1	1.64	0.020	0.06	0.2	0.03	4.6	<0.1	<0.05	5
REP JPR 88065	QC		0.067	14	27	0.82	281	0.076	1	1.63	0.017	0.06	0.2	0.04	4.3	0.1	<0.05	5
JPR 88271	Soil		0.067	17	36	0.76	118	0.149	<1	2.26	0.009	0.41	<0.1	0.01	3.8	0.4	<0.05	7
REP JPR 88271	QC		0.068	18	36	0.79	120	0.149	<1	2.32	0.009	0.43	<0.1	<0.01	3.8	0.4	<0.05	7
JPR 88124	Soil		0.154	27	6	0.76	95	0.146	<1	1.89	0.008	0.60	0.2	0.01	15.3	0.3	<0.05	11
REP JPR 88124	QC		0.160	27	6	0.77	92	0.147	<1	1.89	0.009	0.59	0.2	0.01	15.3	0.3	<0.05	11
JPR 88138	Soil		0.077	14	28	0.61	327	0.085	2	1.31	0.027	0.08	0.3	0.03	3.5	<0.1	<0.05	4
REP JPR 88138	QC		0.077	14	29	0.61	321	0.090	2	1.32	0.029	0.08	0.2	0.02	3.5	<0.1	<0.05	4
JPR 88620	Soil		0.294	18	96	2.04	468	0.216	<1	2.11	0.041	0.52	<0.1	<0.01	6.6	0.1	<0.05	7
REP JPR 88620	QC		0.265	17	96	2.03	473	0.190	<1	2.09	0.035	0.55	<0.1	<0.01	6.2	0.1	<0.05	7
JPR 88623	Soil		0.070	31	52	1.26	263	0.181	<1	2.53	0.011	0.56	<0.1	0.02	4.9	0.4	<0.05	10
REP JPR 88623	QC		0.073	31	53	1.32	257	0.183	<1	2.68	0.012	0.58	<0.1	0.02	5.0	0.5	<0.05	10
JPR 88856	Soil		0.099	28	8	0.93	306	0.129	<1	2.97	0.125	0.06	<0.1	0.01	6.8	<0.1	<0.05	7
REP JPR 88856	QC		0.096	28	8	0.91	307	0.127	<1	3.01	0.126	0.05	<0.1	0.02	6.6	<0.1	<0.05	8
JPR 88955	Soil		0.045	11	49	0.61	276	0.076	1	2.40	0.007	0.12	0.1	0.02	3.6	0.1	<0.05	8
REP JPR 88955	QC		0.045	12	49	0.63	274	0.087	1	2.44	0.007	0.12	0.2	0.02	3.7	0.1	<0.05	8
JPR 88974	Soil		0.044	12	23	0.40	351	0.028	2	1.70	0.010	0.05	0.2	0.03	2.5	<0.1	<0.05	6
REP JPR 88974	QC		0.045	13	23	0.42	330	0.030	1	1.86	0.012	0.05	0.1	0.03	2.6	0.1	<0.05	6
Reference Materials																		
STD DS7	Standard		0.089	13	174	0.96	396	0.139	36	0.95	0.087	0.42	4.0	0.20	2.6	4.1	0.20	4
STD DS7	Standard		0.088	13	172	0.96	381	0.133	37	0.94	0.087	0.39	3.9	0.19	2.6	4.2	0.18	4
STD DS7	Standard		0.072	12	178	0.94	360	0.122	36	0.94	0.088	0.39	3.8	0.18	2.3	3.9	0.21	4
STD DS7	Standard		0.077	13	192	1.01	383	0.128	39	0.95	0.090	0.39	4.1	0.20	2.3	4.2	0.18	5
STD DS7	Standard		0.088	14	173	0.94	372	0.139	37	0.92	0.090	0.39	4.1	0.20	2.8	4.2	0.18	4
STD DS7	Standard		0.074	13	195	0.98	386	0.129	37	0.97	0.090	0.41	3.9	0.19	2.3	4.1	0.19	4
STD DS7	Standard		0.077	13	186	0.96	390	0.128	39	0.96	0.094	0.41	3.8	0.18	2.6	4.1	0.20	4



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Project: JPR

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		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	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
STD DS7	Standard		20.9	109.7	69.6	407	0.8	58.9	9.3	617	2.31	52.8	4.8	66.5	4.6	78	6.9	6.2	4.8	82	0.97
STD DS7 Expected			20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
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	<0.1	<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	<0.1	<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



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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	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
		0.001	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
STD DS7	Standard	0.078	13	192	0.99	398	0.129	39	0.97	0.093	0.42	4.1	0.19	2.5	4.3	0.18	5	3.8
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5
BLK	Blank	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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