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Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://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: November 23, 2009  
Page: 1 of 4

## CERTIFICATE OF ANALYSIS

VAN09005485.1

### CLIENT JOB INFORMATION

Project: WHT  
Shipment ID: WHT 1  
P.O. Number  
Number of Samples: 71

### 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	71	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	71	Dry at 60C			VAN
1DX15	71	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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Part 1

## CERTIFICATE OF ANALYSIS

VAN09005485.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 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
WHT 63228	Soil	0.2	80.7	2.4	24	<0.1	92.5	13.4	177	1.48	2.8	0.3	0.8	1.1	17	<0.1	0.1	<0.1	32	0.34	0.024
WHT 63229	Soil	0.3	55.6	2.6	26	<0.1	40.2	10.8	178	1.70	4.0	0.3	1.8	1.6	19	<0.1	0.3	<0.1	44	0.34	0.020
WHT 65802	Soil	0.4	127.4	3.8	35	0.2	53.5	17.7	477	2.41	3.5	0.4	4.2	1.2	24	0.1	0.3	<0.1	68	0.49	0.031
WHT 65803	Soil	0.1	108.8	1.0	15	<0.1	92.2	16.7	193	1.43	2.0	0.1	4.0	0.6	30	<0.1	0.2	<0.1	32	0.44	0.008
WHT 65804	Soil	0.1	33.6	1.5	9	<0.1	20.7	7.5	75	0.70	2.2	<0.1	<0.5	0.5	15	<0.1	0.2	<0.1	17	0.23	0.009
WHT 65805	Soil	0.3	57.1	4.0	29	<0.1	37.6	12.2	240	2.08	4.5	0.4	3.1	1.8	20	<0.1	0.4	<0.1	54	0.31	0.015
WHT 65806	Soil	0.2	61.2	3.3	19	<0.1	48.5	13.1	156	1.48	3.4	0.2	1.8	1.1	25	<0.1	0.4	<0.1	37	0.32	0.006
WHT 65807	Soil	0.3	77.7	3.6	19	<0.1	34.3	13.4	157	1.66	5.1	0.3	34.1	1.1	32	<0.1	0.5	<0.1	47	0.39	0.007
WHT 65808	Soil	0.3	31.6	1.9	23	<0.1	26.4	11.6	162	1.49	4.6	0.2	2.0	1.1	21	<0.1	0.4	<0.1	36	0.30	0.008
WHT 65809	Soil	0.1	110.8	1.5	24	0.4	63.5	22.5	360	2.26	3.4	0.2	20.9	0.7	36	<0.1	0.6	<0.1	56	0.48	0.006
WHT 65810	Soil	0.1	139.2	1.1	21	0.1	122.2	30.3	363	2.21	4.7	<0.1	5.8	0.3	68	<0.1	1.5	<0.1	59	0.88	0.005
WHT 65811	Soil	0.1	127.0	1.1	19	<0.1	120.3	28.6	346	2.08	4.2	<0.1	6.4	0.2	60	<0.1	1.5	<0.1	57	0.88	0.005
WHT 65812	Soil	0.3	164.1	5.2	28	0.2	71.9	14.0	258	1.93	9.6	0.5	7.1	1.3	22	<0.1	0.4	<0.1	49	0.68	0.033
WHT 65813	Soil	0.1	136.2	3.3	9	0.2	65.8	20.3	174	0.94	3.2	<0.1	5.8	0.4	24	0.2	0.8	<0.1	22	0.33	0.003
WHT 65814	Soil	0.2	198.1	15.6	25	0.3	125.7	26.6	583	2.30	3.5	0.2	16.5	0.7	28	<0.1	0.5	<0.1	80	0.56	0.005
WHT 65815	Soil	0.6	71.1	4.7	39	<0.1	39.8	16.0	303	2.67	5.5	0.4	2.2	2.2	22	<0.1	0.6	<0.1	83	0.36	0.010
WHT 65816	Soil	0.2	66.9	2.4	25	<0.1	47.4	13.7	301	1.72	3.2	0.2	2.5	1.1	42	0.1	0.4	<0.1	43	3.70	0.030
WHT 65817	Soil	0.2	84.3	2.1	21	<0.1	48.2	14.2	179	1.46	4.2	0.2	1.4	1.2	20	<0.1	0.4	<0.1	36	0.32	0.005
WHT 65818	Soil	0.3	147.1	2.3	26	0.1	119.1	32.0	375	2.64	4.2	0.2	14.4	1.1	39	<0.1	0.6	<0.1	47	0.63	0.010
WHT 65819	Soil	0.4	172.4	193.4	22	0.2	54.5	23.1	372	2.60	4.4	0.2	16.7	0.8	87	<0.1	0.9	0.7	92	0.36	0.009
WHT 65820	Soil	0.3	86.6	5.7	34	0.2	51.0	15.3	380	2.14	4.7	0.4	7.8	1.5	42	<0.1	0.7	<0.1	55	2.41	0.036
WHT 65821	Soil	0.1	114.4	3.5	24	0.1	97.8	25.5	424	2.39	1.7	0.1	5.4	0.7	30	<0.1	0.6	<0.1	52	1.00	0.006
WHT 65822	Soil	0.2	98.7	22.4	77	0.2	223.3	42.5	1059	4.22	3.1	0.4	10.5	0.5	21	0.1	1.1	<0.1	119	1.84	0.017
WHT 65823	Soil	0.1	123.2	3.9	25	<0.1	319.9	26.5	212	1.83	12.5	0.2	4.5	0.9	12	<0.1	0.1	<0.1	27	0.39	0.014
WHT 65824	Soil	0.4	219.3	1.7	14	0.2	92.1	28.5	277	1.64	3.6	0.2	14.0	0.5	28	<0.1	0.5	<0.1	41	0.42	0.008
WHT 65825	Soil	0.1	80.1	0.8	17	<0.1	585.5	61.0	240	3.40	12.7	0.2	0.5	0.8	3	<0.1	0.1	<0.1	15	0.06	0.004
WHT 65826	Soil	0.3	109.6	2.7	25	<0.1	85.3	22.3	387	2.38	4.6	0.4	4.7	1.4	30	<0.1	0.4	<0.1	70	0.49	0.008
WHT 65827	Soil	0.5	74.1	5.8	43	<0.1	35.7	12.4	315	2.69	8.5	0.4	5.2	3.1	24	<0.1	0.6	0.1	70	0.47	0.017
WHT 65828	Soil	0.3	45.5	2.8	22	<0.1	65.3	12.6	194	1.69	4.1	0.4	1.0	1.6	26	<0.1	0.3	<0.1	41	0.45	0.010
WHT 65829	Soil	0.2	87.1	1.7	19	<0.1	35.9	10.6	125	1.24	4.3	0.1	1.6	0.9	22	<0.1	0.2	<0.1	29	0.36	0.006



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**Project:** WHT  
**Report Date:** November 23, 2009

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VAN09005485.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
WHT 63228	Soil	4	120	1.28	76	0.043	<1	1.35	0.010	0.03	0.1	0.01	1.8	<0.1	0.06	3	<0.5
WHT 63229	Soil	5	70	0.66	78	0.060	<1	1.33	0.009	0.03	0.1	<0.01	2.4	<0.1	<0.05	3	<0.5
WHT 65802	Soil	5	114	1.08	83	0.065	1	1.71	0.013	0.04	<0.1	0.02	4.2	<0.1	<0.05	4	<0.5
WHT 65803	Soil	2	136	1.26	38	0.039	<1	1.70	0.007	0.02	<0.1	<0.01	3.6	<0.1	<0.05	3	<0.5
WHT 65804	Soil	2	20	0.27	28	0.030	<1	0.75	0.004	0.01	<0.1	<0.01	1.2	<0.1	<0.05	1	<0.5
WHT 65805	Soil	6	99	0.77	70	0.076	<1	1.54	0.012	0.05	0.1	0.01	5.1	<0.1	<0.05	4	<0.5
WHT 65806	Soil	4	107	0.74	38	0.067	<1	1.19	0.008	0.02	0.1	<0.01	3.1	<0.1	<0.05	3	<0.5
WHT 65807	Soil	4	92	0.73	31	0.075	<1	1.34	0.007	0.04	0.1	<0.01	3.3	<0.1	<0.05	3	<0.5
WHT 65808	Soil	3	28	0.71	22	0.068	<1	1.17	0.006	0.04	<0.1	<0.01	3.1	<0.1	<0.05	3	<0.5
WHT 65809	Soil	3	243	2.09	16	0.088	1	1.92	0.007	0.02	0.2	0.03	5.6	<0.1	<0.05	4	<0.5
WHT 65810	Soil	<1	547	3.05	9	0.083	24	2.46	0.006	<0.01	0.1	0.02	6.7	<0.1	<0.05	4	<0.5
WHT 65811	Soil	<1	524	3.05	8	0.076	41	2.43	0.006	<0.01	0.2	0.02	6.5	<0.1	<0.05	4	<0.5
WHT 65812	Soil	7	89	0.73	103	0.053	1	1.70	0.013	0.05	0.1	0.04	4.0	<0.1	<0.05	4	<0.5
WHT 65813	Soil	3	129	0.94	14	0.044	1	0.89	0.004	<0.01	<0.1	0.03	2.9	<0.1	<0.05	1	<0.5
WHT 65814	Soil	4	416	2.33	43	0.089	2	2.10	0.010	0.04	0.2	0.22	9.4	<0.1	<0.05	5	<0.5
WHT 65815	Soil	7	77	1.19	83	0.074	1	2.25	0.010	0.04	0.1	0.01	5.6	<0.1	<0.05	6	<0.5
WHT 65816	Soil	5	144	1.29	80	0.057	3	1.33	0.017	0.03	0.1	0.02	4.1	<0.1	0.07	3	<0.5
WHT 65817	Soil	6	74	0.79	42	0.059	<1	1.17	0.011	0.04	<0.1	0.01	3.1	<0.1	<0.05	3	<0.5
WHT 65818	Soil	5	128	2.62	41	0.049	<1	2.86	0.011	0.04	0.2	0.10	5.2	<0.1	<0.05	5	<0.5
WHT 65819	Soil	2	102	1.96	50	0.098	<1	2.19	0.007	0.02	0.2	<0.01	6.1	<0.1	<0.05	5	<0.5
WHT 65820	Soil	7	137	1.31	129	0.074	2	1.59	0.021	0.05	0.2	0.08	4.1	<0.1	0.06	4	0.7
WHT 65821	Soil	2	358	2.75	51	0.066	<1	2.42	0.010	0.04	0.2	0.02	6.6	<0.1	<0.05	5	<0.5
WHT 65822	Soil	2	671	5.38	47	0.066	6	4.00	0.006	0.05	0.4	0.06	14.2	<0.1	<0.05	10	0.5
WHT 65823	Soil	3	296	3.03	34	0.032	<1	2.16	0.008	0.02	<0.1	0.01	2.5	<0.1	<0.05	4	<0.5
WHT 65824	Soil	2	191	2.02	10	0.052	1	1.76	0.005	0.02	0.1	0.03	5.5	<0.1	<0.05	3	<0.5
WHT 65825	Soil	3	514	4.29	10	0.011	1	1.73	0.002	0.02	<0.1	<0.01	1.9	<0.1	<0.05	2	<0.5
WHT 65826	Soil	6	154	2.01	59	0.084	<1	2.34	0.014	0.03	0.1	0.03	8.9	<0.1	<0.05	5	<0.5
WHT 65827	Soil	11	57	0.78	136	0.088	<1	1.77	0.026	0.05	0.2	0.02	5.1	<0.1	<0.05	5	<0.5
WHT 65828	Soil	7	205	1.14	41	0.065	1	1.84	0.014	0.05	<0.1	<0.01	4.5	<0.1	<0.05	3	<0.5
WHT 65829	Soil	3	41	0.47	33	0.058	<1	1.21	0.010	0.03	<0.1	<0.01	2.4	<0.1	<0.05	2	<0.5



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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 ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
WHT 65830	Soil	0.5	157.6	8.6	29	0.2	62.4	14.5	309	2.11	8.8	0.4	1.3	0.8	26	0.1	0.3	<0.1	54	0.44	0.042
WHT 65831	Soil	0.4	69.9	3.4	28	<0.1	43.3	12.1	200	1.89	5.2	0.2	1.0	1.2	19	<0.1	0.3	<0.1	48	0.36	0.017
WHT 65832	Soil	0.3	79.7	6.4	17	<0.1	27.5	8.3	138	1.24	2.7	0.1	3.5	0.9	25	<0.1	0.2	<0.1	35	0.54	0.009
WHT 65833	Soil	0.3	64.6	4.0	24	<0.1	35.0	9.0	191	1.53	3.2	0.3	2.2	1.7	23	<0.1	0.2	<0.1	40	0.33	0.013
WHT 65834	Soil	0.2	83.8	2.7	21	<0.1	130.4	16.2	151	1.35	4.5	0.2	2.3	0.8	20	<0.1	0.1	<0.1	30	0.39	0.012
WHT 65966	Soil	1.5	23.1	7.6	39	0.5	19.6	10.0	1564	2.43	5.2	1.0	33.6	4.0	33	0.2	0.5	0.1	52	0.47	0.046
WHT 65967	Soil	0.5	64.1	3.9	40	0.2	132.9	19.1	216	2.45	5.2	0.3	8.0	1.4	16	<0.1	0.2	<0.1	55	0.27	0.030
WHT 65968	Soil	0.6	49.2	4.5	39	0.2	37.0	15.5	546	2.75	4.2	0.5	40.7	1.3	20	0.1	0.3	0.1	78	0.36	0.029
WHT 65969	Soil	0.8	31.2	5.5	35	0.2	24.7	10.0	291	2.30	5.4	0.3	6.6	1.5	20	<0.1	0.4	0.1	64	0.26	0.017
WHT 65970	Soil	0.7	33.0	6.2	38	0.2	21.6	11.6	375	2.41	6.5	0.6	6.3	1.8	23	<0.1	0.4	0.1	62	0.35	0.038
WHT 65971	Soil	0.6	45.8	5.9	37	0.2	23.8	10.8	419	2.53	5.2	0.6	15.3	1.7	24	<0.1	0.4	0.1	70	0.40	0.035
WHT 65972	Soil	0.6	52.5	3.7	55	0.3	25.5	13.4	371	2.91	3.8	0.8	42.3	1.7	25	0.1	0.3	<0.1	76	0.46	0.059
WHT 65973	Soil	0.5	74.8	4.4	36	0.2	81.6	17.6	376	2.71	8.3	0.7	18.8	1.8	22	<0.1	0.5	<0.1	81	0.38	0.017
WHT 65974	Soil	0.4	145.4	3.4	38	0.2	93.2	21.6	589	3.05	5.5	0.3	9.9	1.8	21	<0.1	0.4	<0.1	86	0.43	0.018
WHT 65975	Soil	0.4	61.1	4.2	29	<0.1	57.6	17.9	294	2.30	4.8	0.3	1.9	1.6	24	<0.1	0.5	<0.1	58	0.32	0.013
WHT 65976	Soil	0.7	31.6	5.8	38	0.1	25.9	10.4	286	2.47	6.6	0.6	2.3	2.9	20	<0.1	0.5	0.1	66	0.30	0.016
WHT 65977	Soil	0.6	30.5	4.7	38	0.1	29.8	10.2	218	2.51	8.5	0.5	10.8	2.9	17	<0.1	0.5	0.1	70	0.20	0.018
WHT 65978	Soil	0.8	20.5	5.3	36	<0.1	33.0	14.0	351	2.45	5.4	0.3	1.6	1.5	21	<0.1	0.4	0.1	66	0.27	0.018
WHT 65979	Soil	0.4	43.2	3.3	25	<0.1	49.6	11.8	202	1.83	5.4	0.2	<0.5	1.5	18	<0.1	0.4	<0.1	50	0.21	0.013
WHT 65980	Soil	0.7	22.6	5.9	40	0.1	28.3	10.5	257	2.63	6.3	0.4	5.5	2.4	18	0.1	0.5	0.1	70	0.25	0.019
WHT 65987	Soil	0.6	39.5	4.4	48	0.1	26.0	13.1	338	3.02	4.5	0.4	7.5	1.4	22	<0.1	0.4	<0.1	88	0.41	0.028
WHT 65988	Soil	1.5	18.3	6.5	43	0.1	15.7	8.1	491	2.50	4.9	1.2	131.0	7.1	27	<0.1	0.6	0.1	49	0.39	0.037
WHT 65989	Soil	1.6	15.4	6.1	36	<0.1	16.9	7.3	433	2.33	5.4	0.4	11.3	2.3	22	0.1	0.5	0.1	59	0.31	0.035
WHT 65990	Soil	0.8	30.8	5.6	45	<0.1	24.0	12.0	430	2.74	5.8	0.7	13.1	2.9	27	<0.1	0.4	0.1	75	0.44	0.045
WHT 65991	Soil	0.6	36.5	4.4	48	0.2	25.5	13.0	334	2.97	4.7	0.3	10.1	1.4	22	<0.1	0.4	<0.1	93	0.40	0.025
WHT 65992	Soil	0.4	33.4	4.3	36	<0.1	21.4	9.0	247	2.16	3.8	0.4	7.8	1.7	19	<0.1	0.3	<0.1	65	0.29	0.029
WHT 65993	Soil	0.4	34.3	3.9	42	0.1	20.7	9.9	303	2.35	3.9	0.4	17.1	1.8	22	<0.1	0.3	<0.1	63	0.35	0.050
WHT 65994	Soil	0.5	27.3	5.3	37	<0.1	21.2	10.6	283	2.49	6.0	0.4	19.8	2.0	18	<0.1	0.4	<0.1	71	0.26	0.031
WHT 65995	Soil	0.6	48.8	5.1	36	0.1	41.2	11.6	232	2.36	5.9	0.3	2.2	1.6	20	<0.1	0.3	<0.1	62	0.28	0.023
WHT 65996	Soil	0.5	36.0	4.7	34	0.1	52.2	12.9	310	2.41	4.6	0.3	2.4	1.3	23	<0.1	0.3	<0.1	65	0.32	0.020



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Project: WHT  
Report Date: November 23, 2009

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## CERTIFICATE OF ANALYSIS

VAN09005485.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
WHT 65830	Soil	6	62	0.55	130	0.052	1	1.98	0.013	0.10	0.1	0.02	3.5	<0.1	<0.05	5	<0.5
WHT 65831	Soil	4	70	0.67	77	0.052	<1	1.77	0.009	0.06	0.1	<0.01	2.4	<0.1	<0.05	4	<0.5
WHT 65832	Soil	3	39	0.51	49	0.048	<1	1.64	0.008	0.04	<0.1	<0.01	2.6	<0.1	<0.05	3	<0.5
WHT 65833	Soil	6	61	0.58	60	0.064	<1	1.20	0.012	0.07	<0.1	<0.01	3.1	<0.1	<0.05	3	<0.5
WHT 65834	Soil	3	173	1.68	40	0.041	<1	1.69	0.009	0.02	<0.1	0.01	2.1	<0.1	<0.05	3	<0.5
WHT 65966	Soil	42	27	0.36	904	0.048	1	1.38	0.016	0.10	0.2	0.06	2.9	<0.1	<0.05	5	<0.5
WHT 65967	Soil	5	127	1.25	105	0.068	1	1.62	0.008	0.05	<0.1	0.01	2.3	<0.1	0.06	5	<0.5
WHT 65968	Soil	7	67	1.03	144	0.074	1	1.73	0.015	0.07	0.1	0.02	4.0	<0.1	0.06	6	<0.5
WHT 65969	Soil	5	44	0.60	145	0.064	<1	1.50	0.011	0.06	0.1	0.01	2.2	<0.1	0.08	5	<0.5
WHT 65970	Soil	9	34	0.54	250	0.062	1	1.52	0.013	0.07	0.1	0.04	3.4	<0.1	0.07	5	<0.5
WHT 65971	Soil	8	39	0.57	304	0.066	1	1.55	0.013	0.07	0.1	0.03	3.8	<0.1	<0.05	5	<0.5
WHT 65972	Soil	9	47	0.99	283	0.098	1	1.69	0.015	0.20	0.1	0.07	5.9	0.1	<0.05	6	<0.5
WHT 65973	Soil	7	150	1.30	150	0.074	<1	1.99	0.015	0.03	0.1	0.04	5.9	<0.1	<0.05	5	<0.5
WHT 65974	Soil	8	297	2.22	298	0.053	2	2.39	0.013	0.03	0.1	0.07	11.7	<0.1	<0.05	6	<0.5
WHT 65975	Soil	5	170	1.51	107	0.055	1	1.95	0.006	0.05	0.1	<0.01	5.8	<0.1	<0.05	5	<0.5
WHT 65976	Soil	10	43	0.57	160	0.074	<1	1.66	0.015	0.07	0.1	0.02	3.7	<0.1	<0.05	5	<0.5
WHT 65977	Soil	10	47	0.57	134	0.084	<1	1.74	0.010	0.04	0.2	0.02	3.8	<0.1	<0.05	5	<0.5
WHT 65978	Soil	6	56	0.66	204	0.062	<1	1.77	0.011	0.03	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5
WHT 65979	Soil	4	70	0.74	82	0.066	<1	1.71	0.008	0.03	0.1	<0.01	2.3	<0.1	<0.05	4	<0.5
WHT 65980	Soil	8	46	0.57	144	0.077	<1	1.93	0.010	0.05	0.1	0.02	2.8	<0.1	<0.05	6	<0.5
WHT 65987	Soil	5	60	1.02	238	0.124	<1	1.72	0.015	0.17	<0.1	0.03	3.5	0.1	<0.05	6	<0.5
WHT 65988	Soil	42	27	0.43	594	0.067	<1	1.36	0.013	0.08	0.5	0.06	3.2	<0.1	<0.05	5	<0.5
WHT 65989	Soil	12	27	0.41	392	0.068	<1	1.34	0.012	0.13	0.2	0.03	2.2	<0.1	<0.05	5	<0.5
WHT 65990	Soil	11	50	0.72	318	0.104	1	1.60	0.018	0.12	0.2	0.04	3.4	<0.1	<0.05	5	<0.5
WHT 65991	Soil	5	60	0.92	236	0.131	1	1.61	0.015	0.16	<0.1	0.03	3.5	0.1	<0.05	6	<0.5
WHT 65992	Soil	7	87	0.67	205	0.085	<1	1.37	0.011	0.06	<0.1	0.03	2.7	<0.1	<0.05	5	<0.5
WHT 65993	Soil	8	41	0.77	213	0.092	1	1.44	0.014	0.06	0.1	0.03	3.2	<0.1	<0.05	5	<0.5
WHT 65994	Soil	8	41	0.62	190	0.079	<1	1.70	0.013	0.05	0.1	0.02	2.7	<0.1	<0.05	5	<0.5
WHT 65995	Soil	6	65	0.94	174	0.083	1	1.85	0.010	0.06	0.1	0.02	2.3	<0.1	<0.05	5	<0.5
WHT 65996	Soil	5	89	1.12	123	0.095	1	1.86	0.016	0.05	0.1	0.02	2.6	<0.1	<0.05	5	<0.5



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Project: WHT  
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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	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
WHT 65997	Soil	0.3	102.9	3.3	77	<0.1	108.0	23.1	406	3.19	3.2	0.3	1.5	0.8	27	<0.1	0.2	<0.1	87	0.50	0.037
WHT 65998	Soil	0.7	49.0	4.7	37	<0.1	32.6	10.3	230	2.31	6.6	0.4	1.5	1.8	15	<0.1	0.4	0.1	62	0.18	0.024
WHT 65999	Soil	1.0	42.9	5.7	37	0.1	35.3	20.2	989	2.37	5.9	0.4	1.2	1.6	18	<0.1	0.4	0.1	66	0.22	0.031
WHT 66000	Soil	0.5	34.8	4.9	32	<0.1	35.5	9.1	183	2.03	6.5	0.3	1.6	1.9	16	<0.1	0.4	<0.1	51	0.21	0.018
WHT 80044	Soil	0.7	19.9	6.0	40	<0.1	30.7	10.9	335	2.67	7.3	0.3	2.0	1.8	18	<0.1	0.4	0.1	70	0.25	0.030
WHT 80045	Soil	0.9	19.6	7.2	51	<0.1	26.3	12.3	346	2.79	8.0	0.5	1.1	3.1	18	<0.1	0.4	0.2	77	0.22	0.024
WHT 80046	Soil	0.7	23.8	6.1	47	<0.1	29.1	11.7	298	2.79	8.5	0.5	1.7	2.8	16	<0.1	0.5	0.1	73	0.16	0.020
WHT 80047	Soil	0.8	22.2	6.8	49	<0.1	29.1	12.0	308	2.75	7.1	0.3	<0.5	2.3	17	<0.1	0.5	0.1	74	0.19	0.027
WHT 80048	Soil	0.7	24.7	6.6	44	<0.1	32.1	13.3	228	2.94	7.8	0.4	1.8	3.2	18	<0.1	0.5	0.1	72	0.19	0.018
WHT 80049	Soil	0.8	30.3	6.2	42	<0.1	27.9	11.7	265	2.77	8.3	0.5	2.1	2.9	20	<0.1	0.5	0.1	74	0.24	0.019
WHT 80050	Soil	0.2	90.7	1.5	35	<0.1	300.4	33.2	244	2.65	2.8	0.2	1.5	0.5	19	<0.1	0.1	<0.1	61	0.48	0.013



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## CERTIFICATE OF ANALYSIS

VAN09005485.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
WHT 65997	Soil	4	116	2.48	177	0.156	<1	2.57	0.026	0.56	<0.1	0.01	3.6	0.2	<0.05	6	<0.5
WHT 65998	Soil	6	50	0.64	117	0.072	1	1.74	0.009	0.05	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5
WHT 65999	Soil	6	61	0.67	145	0.069	<1	1.61	0.012	0.04	0.1	0.02	2.7	<0.1	<0.05	5	<0.5
WHT 66000	Soil	6	49	0.52	122	0.066	<1	1.53	0.009	0.04	0.1	0.02	2.0	<0.1	<0.05	4	<0.5
WHT 80044	Soil	6	54	0.56	135	0.076	<1	1.93	0.009	0.05	0.1	0.01	2.2	<0.1	<0.05	6	<0.5
WHT 80045	Soil	9	44	0.53	188	0.076	<1	2.11	0.008	0.04	0.1	0.01	3.0	<0.1	<0.05	6	<0.5
WHT 80046	Soil	7	46	0.59	146	0.082	<1	2.06	0.010	0.05	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5
WHT 80047	Soil	7	46	0.59	167	0.073	<1	1.97	0.009	0.05	0.1	0.01	2.5	<0.1	<0.05	5	<0.5
WHT 80048	Soil	9	52	0.63	151	0.087	<1	2.18	0.009	0.07	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5
WHT 80049	Soil	8	47	0.57	119	0.093	<1	1.84	0.012	0.08	0.1	0.02	3.3	<0.1	<0.05	5	0.6
WHT 80050	Soil	2	321	2.73	71	0.087	<1	2.21	0.009	0.03	<0.1	0.01	2.7	<0.1	0.06	5	<0.5



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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	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
Pulp Duplicates																					
WHT 65802	Soil	0.4	127.4	3.8	35	0.2	53.5	17.7	477	2.41	3.5	0.4	4.2	1.2	24	0.1	0.3	<0.1	68	0.49	0.031
REP WHT 65802	QC	0.4	124.2	3.8	33	0.2	50.1	16.7	489	2.35	3.2	0.4	3.7	1.1	24	<0.1	0.3	<0.1	67	0.51	0.030
WHT 65827	Soil	0.5	74.1	5.8	43	<0.1	35.7	12.4	315	2.69	8.5	0.4	5.2	3.1	24	<0.1	0.6	0.1	70	0.47	0.017
REP WHT 65827	QC	0.5	72.2	6.0	42	<0.1	38.0	12.5	323	2.79	8.4	0.4	3.8	3.2	25	<0.1	0.5	0.1	74	0.49	0.018
WHT 65979	Soil	0.4	43.2	3.3	25	<0.1	49.6	11.8	202	1.83	5.4	0.2	<0.5	1.5	18	<0.1	0.4	<0.1	50	0.21	0.013
REP WHT 65979	QC	0.5	41.5	3.5	27	<0.1	47.6	11.9	216	1.95	5.6	0.2	1.0	1.6	17	<0.1	0.4	<0.1	52	0.21	0.013
WHT 65996	Soil	0.5	36.0	4.7	34	0.1	52.2	12.9	310	2.41	4.6	0.3	2.4	1.3	23	<0.1	0.3	<0.1	65	0.32	0.020
REP WHT 65996	QC	0.6	36.3	4.6	34	0.1	50.3	13.5	312	2.45	4.5	0.3	1.1	1.3	22	<0.1	0.3	<0.1	65	0.33	0.020
Reference Materials																					
STD DS7	Standard	21.2	103.4	62.7	398	0.8	60.7	9.7	589	2.28	47.6	4.6	60.9	4.3	78	6.2	6.1	4.3	82	0.95	0.084
STD DS7	Standard	21.0	95.9	62.7	377	0.8	53.5	8.8	573	2.26	46.6	4.5	62.0	4.0	77	6.1	5.5	4.2	83	0.96	0.081
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	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001





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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
		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	0.01	0.1	0.1	0.05	1
Pulp Duplicates																	
WHT 65802	Soil	5	114	1.08	83	0.065	1	1.71	0.013	0.04	<0.1	0.02	4.2	<0.1	<0.05	4	<0.5
REP WHT 65802	QC	5	111	1.10	86	0.066	<1	1.75	0.012	0.04	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5
WHT 65827	Soil	11	57	0.78	136	0.088	<1	1.77	0.026	0.05	0.2	0.02	5.1	<0.1	<0.05	5	<0.5
REP WHT 65827	QC	12	60	0.78	143	0.092	<1	1.76	0.031	0.05	0.1	0.02	5.1	<0.1	<0.05	5	<0.5
WHT 65979	Soil	4	70	0.74	82	0.066	<1	1.71	0.008	0.03	0.1	<0.01	2.3	<0.1	<0.05	4	<0.5
REP WHT 65979	QC	4	68	0.75	86	0.066	<1	1.74	0.006	0.04	0.1	<0.01	2.3	<0.1	<0.05	4	<0.5
WHT 65996	Soil	5	89	1.12	123	0.095	1	1.86	0.016	0.05	0.1	0.02	2.6	<0.1	<0.05	5	<0.5
REP WHT 65996	QC	5	92	1.21	124	0.093	<1	1.90	0.018	0.05	<0.1	0.03	2.7	<0.1	<0.05	5	<0.5
Reference Materials																	
STD DS7	Standard	13	211	0.97	400	0.113	41	0.96	0.095	0.41	3.8	0.18	2.2	4.1	0.22	5	3.5
STD DS7	Standard	12	216	0.98	364	0.109	38	0.99	0.096	0.42	3.8	0.19	2.0	3.9	0.22	4	4.4
STD DS7 Expected		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	<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