

GEOLOGICAL & GEOCHEMICAL REPORT

MAPPING AND SOIL SURVEYS

On the

PLUTO PROPERTY

Pluto 1-580: YC60072-YC60077, YD132783-YD132856, YE18781-YE19280

Registered Owner: Shawn Ryan - 100%

NTS #: 115 G/16, 115 G/09

LONG: 138°13'55.418"W LAT: 61°47'34.581"N

WHITEHORSE MINING DISTRICT

Work Performed: June 22nd to July 29th

Date of Report: April 2012

AUTHOR OF REPORT: CARRIE WONG, GIT



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Suite 2100
Toronto, Ontario, M5C 2V9

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INTRODUCTION

The Pluto property is situated in the Whitehorse Mining District, approximately 80km North of Silver City, Yukon (Figure 1). Access to the property is by helicopter only from Burwash Landing or Silver City. The Pluto property is comprised of a total of 580 contiguous claims; further claim details are outlined in Appendix A (Figure 2).

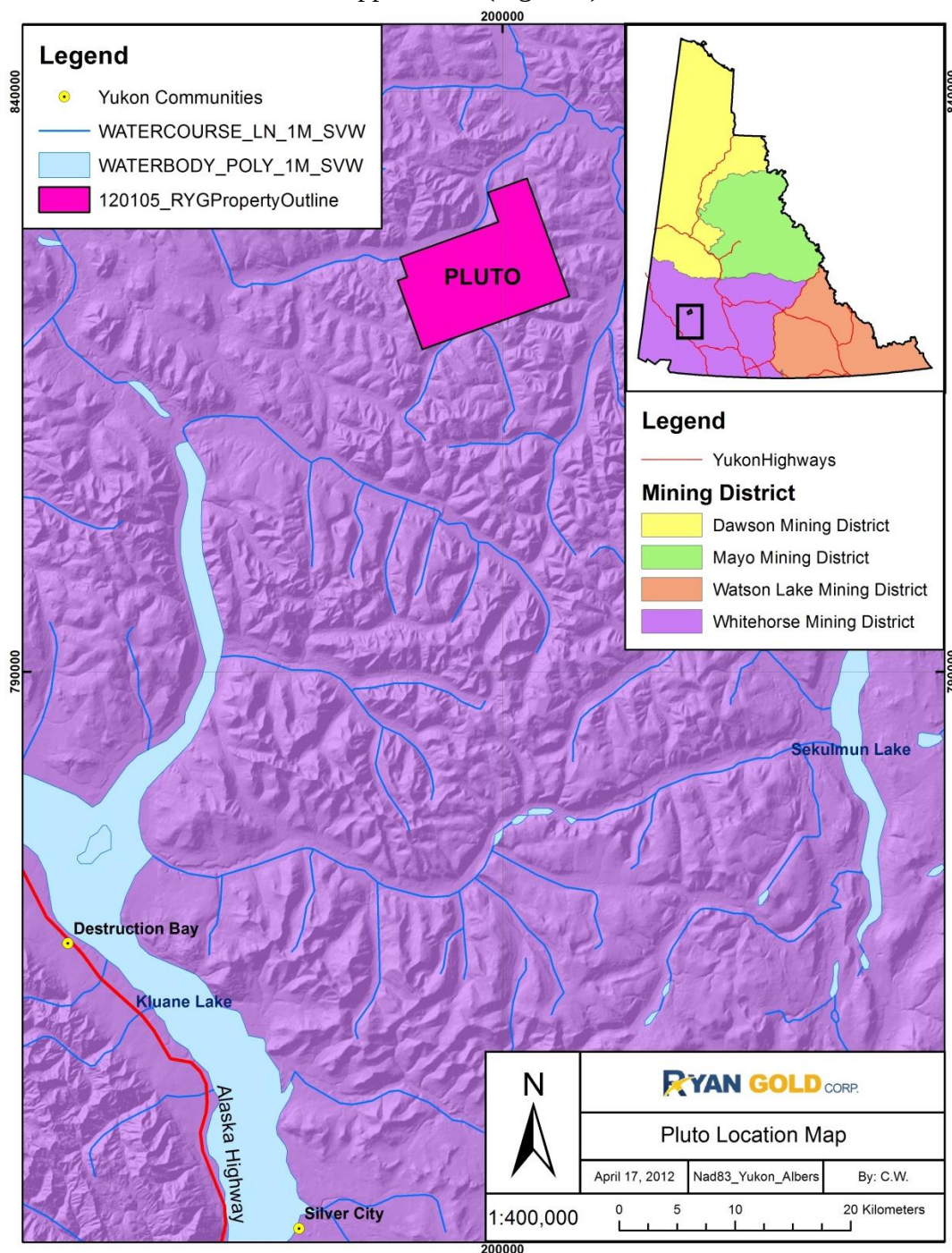


Figure 1: Pluto location map with inset map showing relative location of properties within the Yukon. The Yukon Mining Districts are also shown in the inset map.

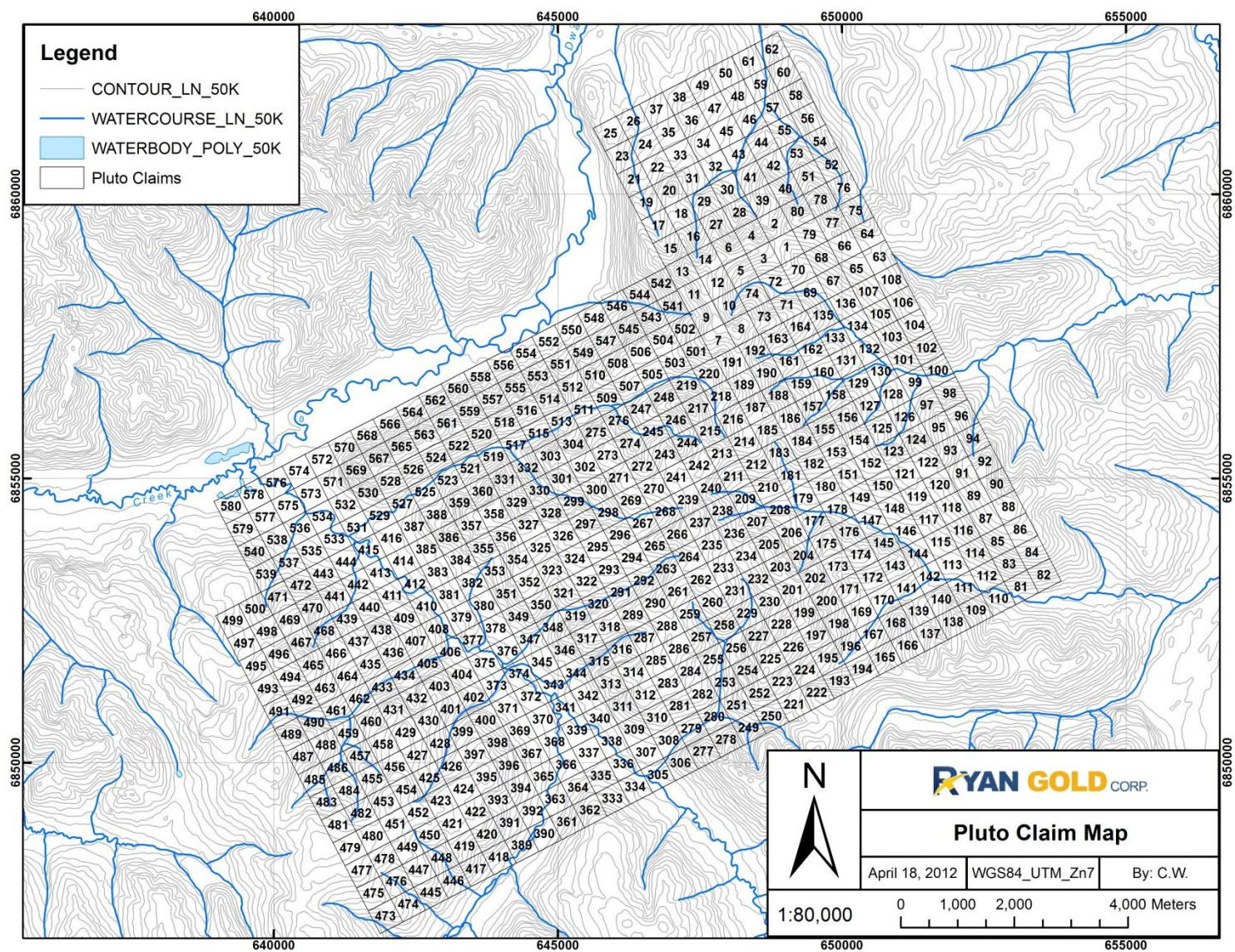


Figure 2: Map showing Pluto claim numbers.

The objective of the geological exploration program was gold prospecting and reconnaissance evaluation of the project. The soil program was conducted by Ryan Gold Corp.'s contractor company, Ground Truth Exploration Inc., between June 22nd and July 29th. A total of 2351 soil samples were gathered within that time.

HISTORY

The Pluto property lies predominantly within the Finlayson Assemblage (DMf) which include psammite, metamorphosed mafic to felsic volcanics, quartz-muscovite schist, and marble (Figure 3). The Yukon-Tanana terrane which overlies the Ruby Range batholith is composed of the Finlayson and Snowcap assemblages (Israel, et al., 2010). In the north eastern part of the property, there is a small area represented by the Ruby Range Porphyry (PRp). The youngest porphyritic phase of the Ruby Range batholith is also known as the Rhyolite Creek Complex. The Ruby Range Porphyry consists of quartz (up to 3mm), feldspar porphyry and intermediate to felsic volcanic rocks commonly flow banded. Local volcanic breccia at the base of the volcanic pile along with pillows and mafic volcanic rocks are observed but uncommon (Israel, et al., 2011).

In 2007, Forty-eight Nisling claims were staked by Shawn Ryan after conducting soil surveys to follow up on historical porphyry type targets. The Nisling Project was conducted in three areas in the Nisling Range. More specifically Target Area 1 was around the Dwarf Birch Creek area (115G / 16), Target Area # 2 was around Tyrel Creek area (115G / 09), and Target # 3 located around the headwaters of Alaskite Creek (115G / 08). Target Area #2 became what the Pluto is property now, after anomalous soil assay results were found. There were a few very high gold values, for example, one soil sample had gold assay result come in at 13g/ton.

Skarn Cu-Mo mineralization was documented in the north east corner of the Pluto property in the Finlayson Assemblage (Minfile 115G 077, Figure 3). This mineralization occurs in a skarn-hornfels zone that developed in metasedimentary rocks near the contact of felsic volcanic flows, tuff and breccia (Minfile 115G 077). In an area approximately 5km NW from the property outline of Pluto, there is documented Zn-Cu mineralization also within the Finlayson Assemblage (Minfile 115G 078, Figure 3). Interestingly, this area of Zn-Cu mineralization is also underlain by metasedimentary rocks in contact with felsic volcanic tuffs and breccia that rim an alaskite stock. Within this contact area, there was documented showing of massive sphalerite, pyrrhotite and pyrite (Minfile 115G 078).

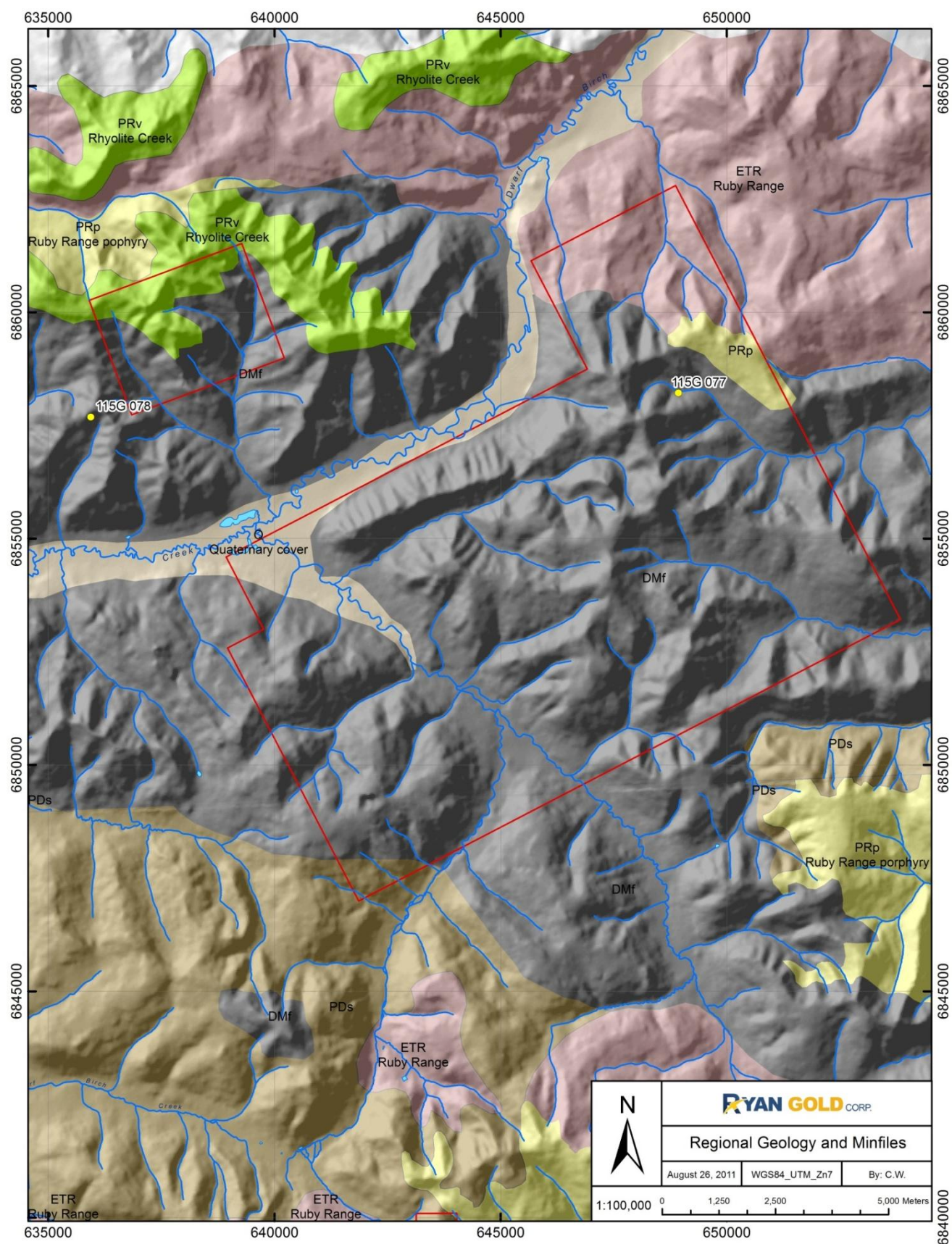


Figure 3: Overview of the regional geology and locations of Minfiles (Israel, et al., 2010).

GEOLOGY

A total of 19.75 man days were required to do geological mapping from June 22 to July 6, 2011. A total of 260 observation points were gathered which include GPS location, lithology, alteration and mineralogy (Appendix B). I was on the property for 4 days, and senior geologists collectively spent 5 days there. The rest of the mapping crew were student geologists or assistants.

LITHOLOGY

Three main lithological units were delineated in the mapping (from youngest to oldest):

1. A volcanic-plutonic complex which includes quartz feldspar porphyry and welded tuffs. The porphyry has a light grey to green fine grained felsic matrix (Photo 1). The quartz phenocrysts range from 1mm-1cm in size and the feldspar phenocrysts range from 1mm-1cm. Rarer phenocrysts of biotite were also observed up to 1cm in size.
2. A plutonic package of granodiorite, diorite and quartz diorite. (Photo 2).
3. A metasedimentary package which is comprised of biotite schist, phyllite, psammite and paragneiss (Photo 3, 4, 5, and 6). Occasionally there is muscovite quartz schist but most of the schist present is quartz and biotite dominant. This package is often silicified pervasively or pervasively with veinlets (Photo 7). The way the psammite was distinguished from quartz schist was by composition, a rock was called a psammite if it contains over 40% quartz in the form of quartzite bands. Marble beds are also included in this package as they are observed to be structurally in contact with metasediments and are documented as part of the Finlayson assemblage (DMf).



Photo 1: showing feldspar quartz porphyry (IMG_00990).



Photo 2: showing quartz diorite (IMG_01050).



Photo 3: showing biotite schist (IMG_01022).



Photo 4: showing silicified phyllite (IMG_00929).



Photo 5: showing folded psammite (IMG_01045).



Photo 6: showing silicified paragneiss (IMG_01034).

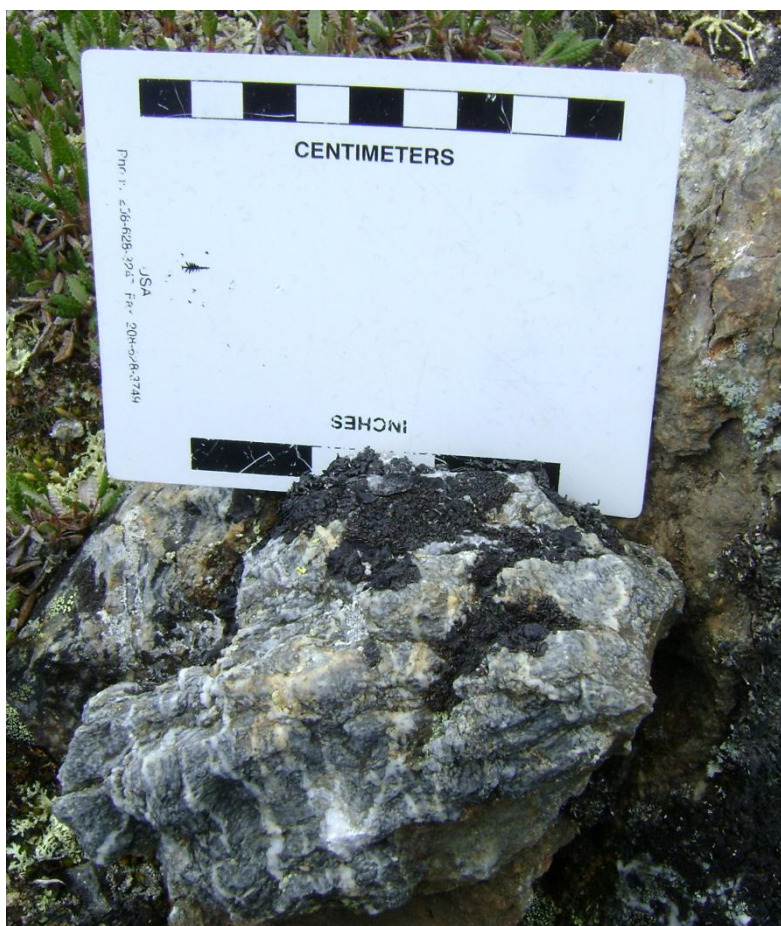


Photo 7: showing strong veinlet pervasive silicification (IMG_00951).

Three main styles of veining were observed:

1. Quartz veinlets parallel to foliation typically 0.2-1cm in diameter (Figure 8).
2. Quartz veinlets cutting foliation typically 0.1-0.9cm in diameter (Figure 9).
3. Quartz stockwork veins in a few locations with a small (up to 8m) talus or outcrop extent (Figure 10).



Photo 8: quartz veinlet parallel to bedding in biotite schist (IMG_01031).



Photo 9: showing quartz veinlets cutting foliation (IMG_00937).



Photo 10: showing stockwork quartz veinlets (IMG_00994).

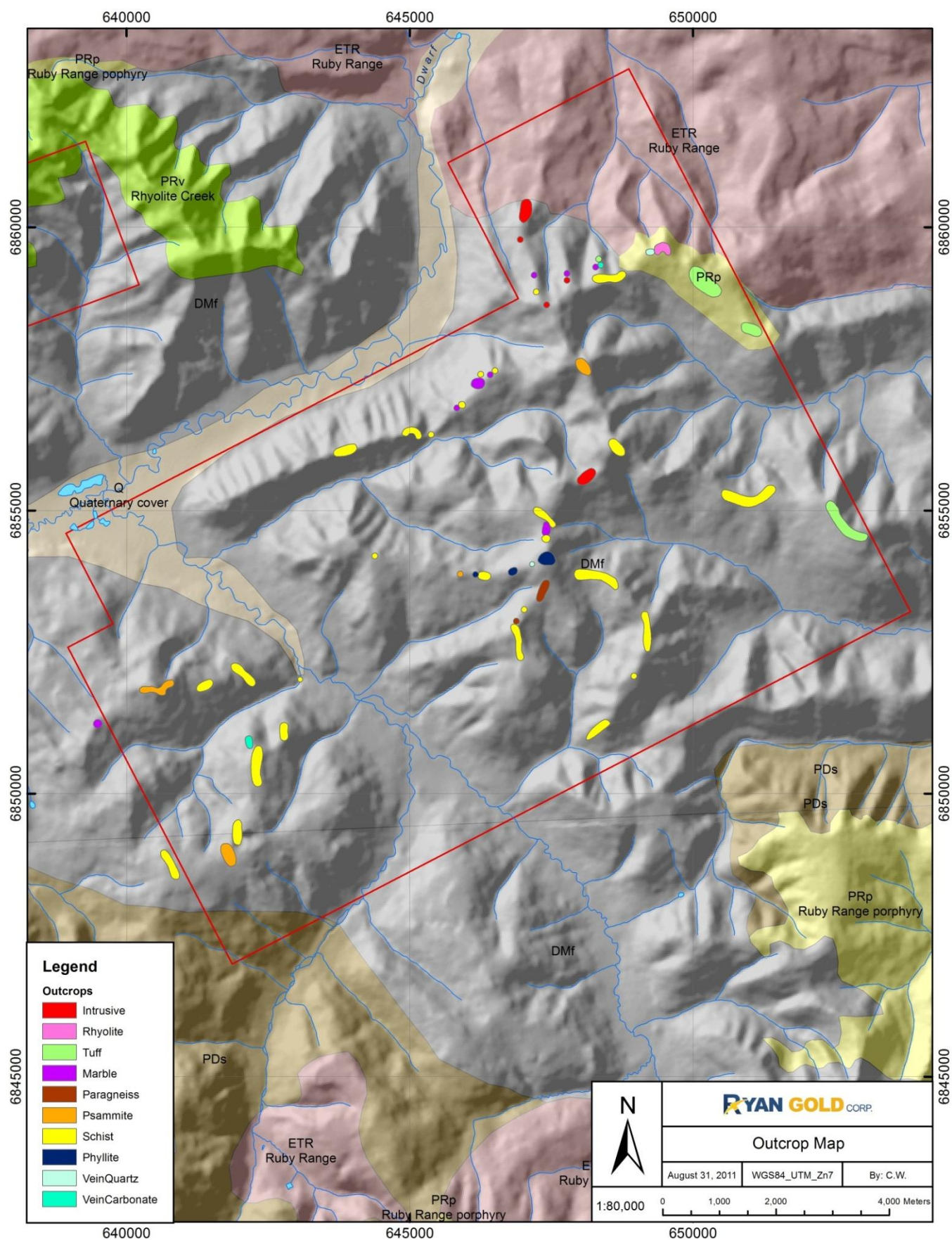


Figure 4: showing outcrop lithology on regional geology.

ALTERATION AND STRUCTURE

There was strong pervasive silicification in many of the metasedimentary rocks (Figure 5), and the style was pervasive or veinlet pervasive. Chloritic alteration was also observed during trenching.

There does not appear to be any trend in direction for the quartz veins that cut through the metasediments (Figure 5). The strike of the foliation tended to be N-S, but there is much local variation which may be indicative of deformation. There are also carbonate or marble beds that show up within the metasediments that have a very shallow dip. They are very flat lying (10°-12°) and occur in-between the metasediments and are documented to be a part of the Finlayson Assemblage (DMf).

Figure 5: Structural measurements along with silicification and sulphide occurrence.

MINERALIZATION

There were three main styles of mineralization:

1. Disseminated sulphides in quartz feldspar porphyry within the Ruby Range Porphyry. Pyrite (2%) was visible within the Ruby Range Porphyry during a geological traverse. During trenching, disseminated pyrrhotite, chalcopyrite and pyrite were seen within the porphyry.
2. Disseminated sulphides in silicified metasedimentary rocks, sulphides are disseminated along foliation (Photo 11). Sulphides also occurred within massive quartz veins or proximal to quartz veins within metasediments, but this was less common.
3. Sulphides occurring in carbonate in filled hairline fractures. These rocks were observed during trenching and contain malachite and azurite. Sulphide infilling fractures in silicified metasediments (Photo 12).



Photo 11: showing arsenopyrite and jarosite along foliation in strongly silicified metasedimentary rock.



Photo 12: showing pyrite infilling fractures in silicified quartzite.

TRENCHING

The trench results give us information about which types of rocks host gold mineralization along with the respective alteration types. The most noticeable and prevalent type of alteration was silicification, and although not all intervals with silicification had good chemistry results, all intervals with good chemistry results were in a zone of silicification (Figure 6). Another observation of interest is that intervals with a combination of silicification and chlorite alteration yielded the highest gold numbers (Figure 6).

In terms of lithology, the highest gold numbers were found in the silicified metasediments which included psammite and schist followed by dacite (Figure 7). There was also a few high gold numbers in the porphyry, but there was 20 meters of unaltered porphyry which yielded no gold (Figure 7). This unaltered porphyry was mineralized by disseminated pyrite (up to 3%) with occasional pyrrhotite (up to 3%). The one instance of arsenopyrite (1%) found in quartzite yielded the highest gold number in trench 1 (703 ppb).

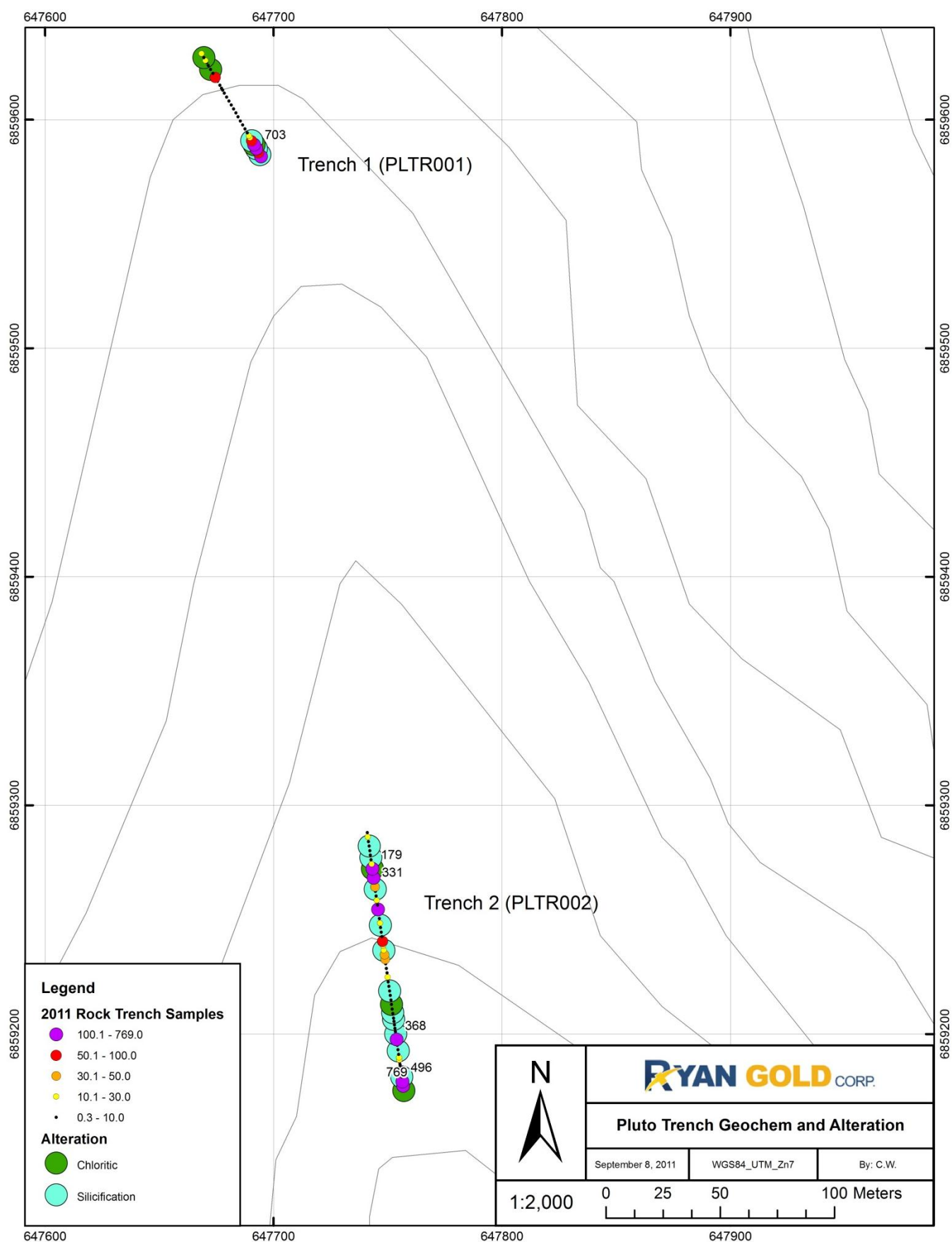


Figure 6: Showing rock trench gold geochemistry results (ppb) with alteration.

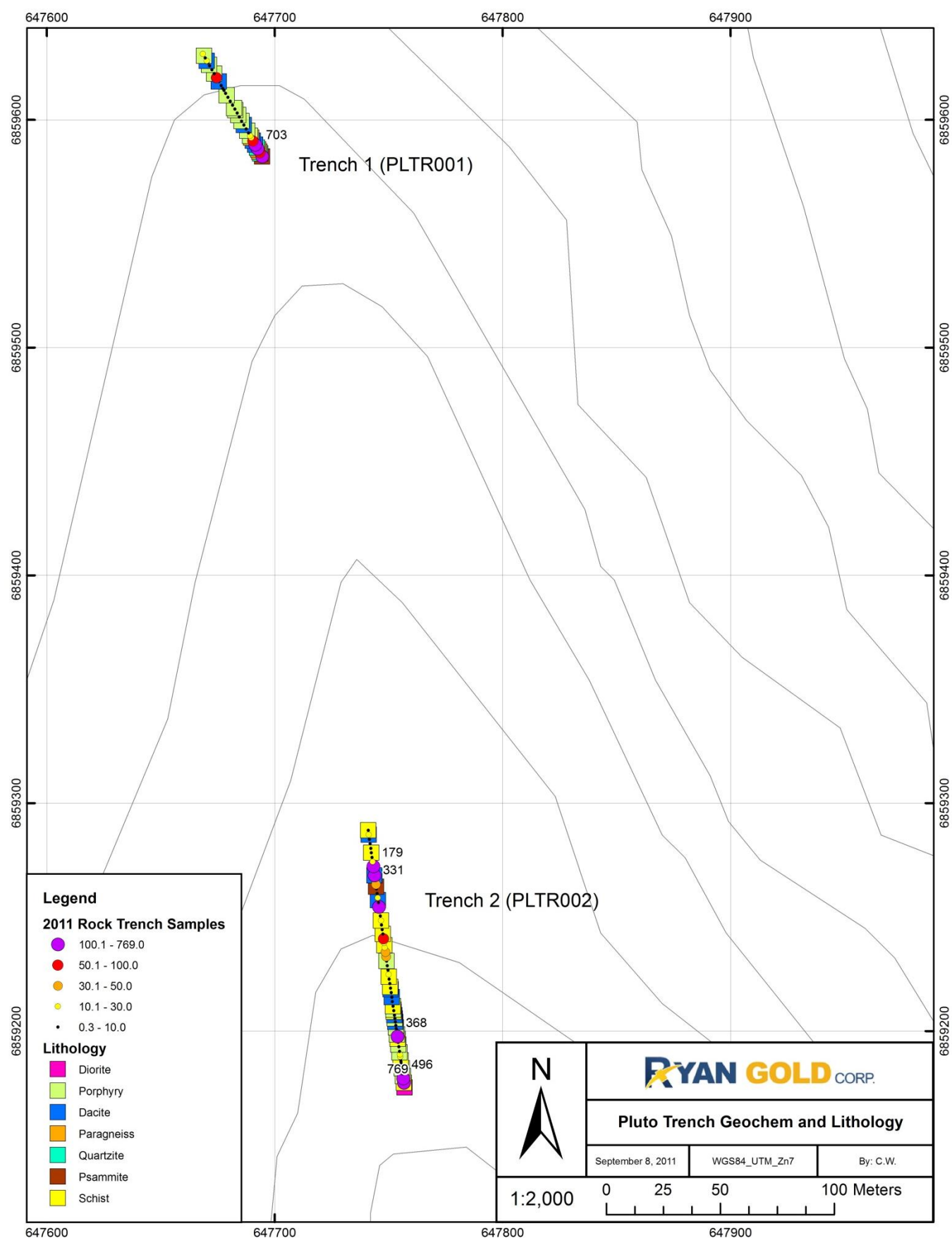


Figure 7: Showing rock trench geochemistry gold results (ppb) with lithology.

GEOCHEMISTRY

ROCK

A total of 41 rock samples were gathered during mapping on the Pluto property between June 22nd and July 1st (Figure 8). A total of 91 rock samples were gathered in two trenches; PLTR001 was 54 meters while PLTR002 was 116 meters. All rock samples sites, including trench sites, were marked by tying orange or pink flagging tape to a rock and recording the sample number on a metal tag. Sample information such as lithology, alteration, and mineralogy were recorded for each sample (Appendix B). Rock samples were sealed in plastic bags with barcoded sample number tags both on the outside and inside of the bag. The sealed rock sample bags were then packed into rice bags and sealed with an additional industrial plastic strap with security code. Ryan Gold used Acme Labs in Whitehorse and Dawson City to process samples with 1:1:1 Aqua Regia digestion ICP-MS analysis for 37 elements. The assay certificates are outlined in Appendix D.

SOIL

Ground Truth Exploration Inc., Ryan Gold's contracting company, conducted the soil program between June 20th and July 7th. A total of 2351 soil samples were gathered within that time. Soil sample were taken with a soil auger at an average depth of 50-70 centimeters. All sample sites were marked by tying an orange flagging tape with sample number written on with black permanent markers. Sample site information was recorded for each sample such as depth, color, texture, moisture, horizon, and site cover (Appendix B). About 400-500 grams of soil was collected and placed in soil packet bags. All soil packets were air dried and placed in rice bags for transportation. Ryan Gold used Acme Labs in Whitehorse and Dawson City to process samples with Aqua Regia ICP-MS for 37 elements. The assay certificates are outlined in Appendix C.

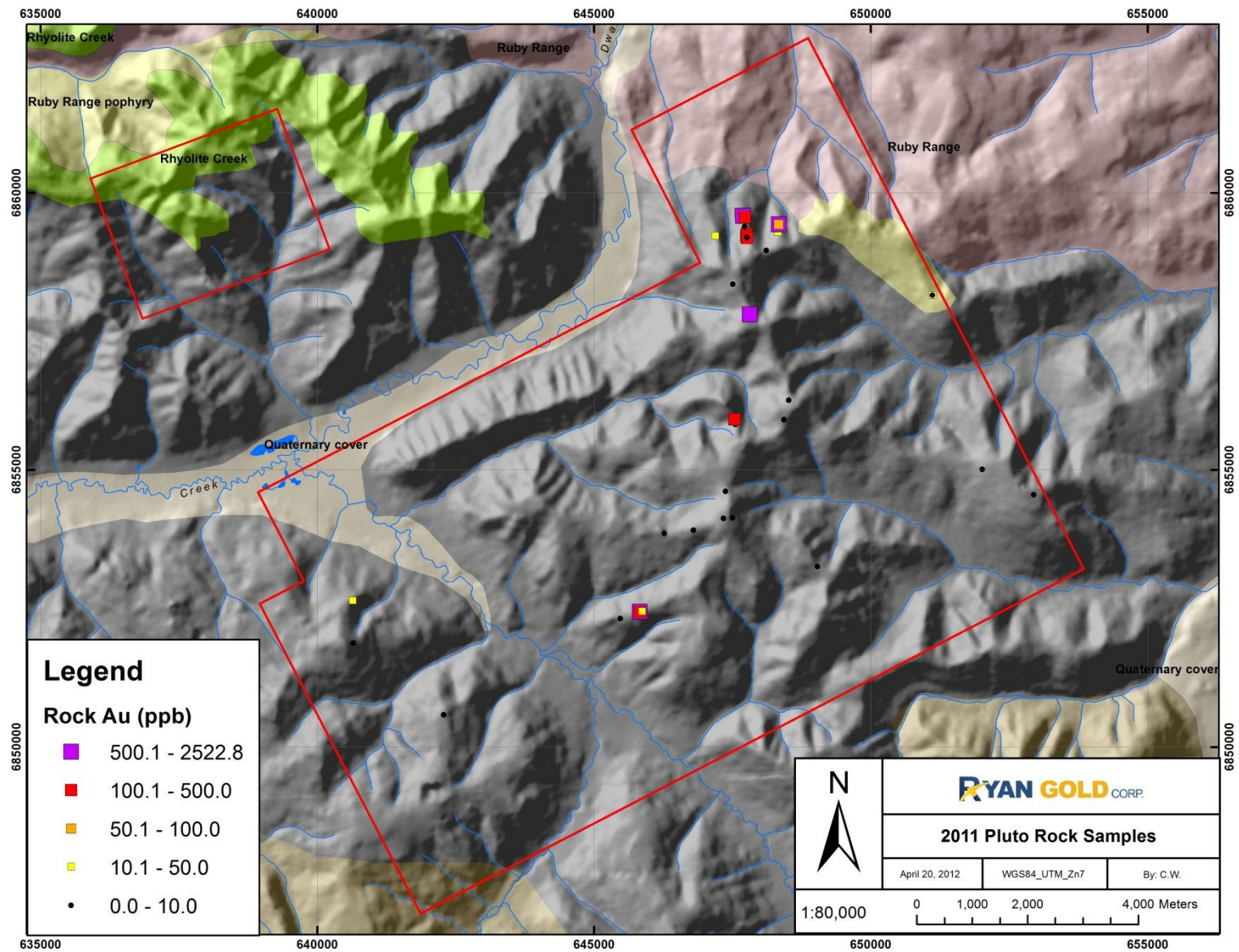


Figure 8: Rock samples with gold geochemistry results.

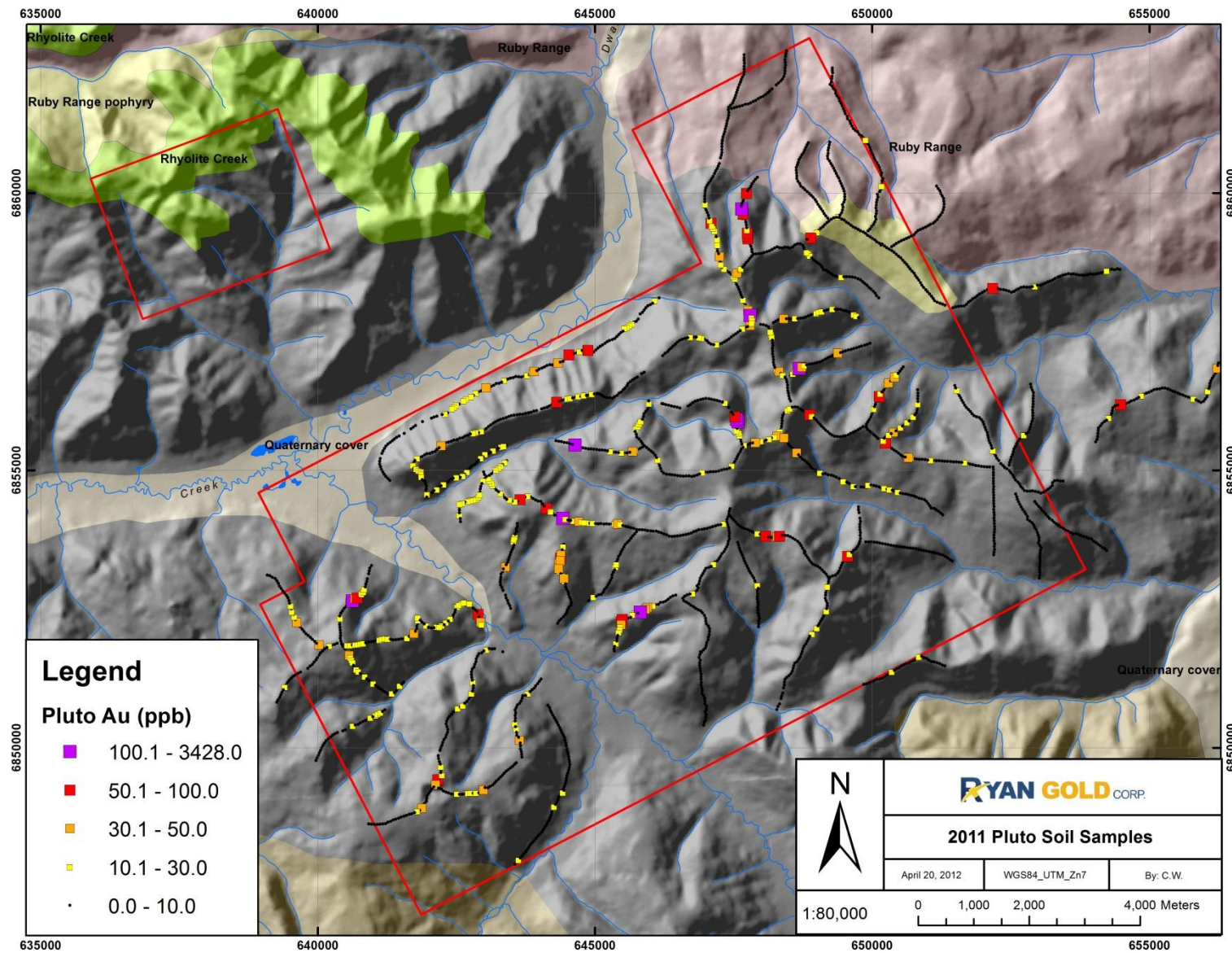


Figure 9: Soil samples with gold geochemistry results.

CONCLUSIONS

The potential for porphyry or epithermal style mineralization increases north, up crustal section within the Ruby Range Batholith which is where the Pluto property lies (Israel, et al., 2011). There are documented cases of porphyry Cu-Mo-Au mineralization in the contact region between the ruby range batholith and the Kluane schist (Minfile 115G 069). The north-eastern part of the Pluto property lies within this regional contact area (Figure 3) and intrusives along with porphyries and volcanic rocks are observed surrounded by metasediments in various parts of the property on a local scale (Figure 3). This is also consistent with documented instances of Cu-Mo mineralization that occurred in a skarn-hornfels zone that developed in metasedimentary rocks in contact with felsic volcanic flows (Minfile 115G 077, Figure 3).

There are a number of variables to consider when determining the mechanism, source, transport and focus of the mineralization event. The Ruby Range coming into contact with the Finlayson metasediments caused an area of Skarn-hornfels alteration and fluid movement was possible during this metamorphic process which resulted in extensive parts of the property being silicified. Although not all mapped areas of silicification on the property correlated to areas of gold anomalies there were a few notable instances in the area of the trenches in the north eastern part of the property. Also there were several observed instances of mineralization that occurred within silicified metasediments observed during mapping and trenching. The second most common form of mineralization found was disseminated pyrite in quartz feldspar porphyries observed in the porphyritic phase of the Ruby Range. After observing the soil results coming from areas dominated by this porphyritic phase, I believe that the source of the gold anomaly is not unaltered porphyry (Figure 9). This conclusion is also supported by the trench results, which had an extensive track dominated by unaltered quartz feldspar porphyry yielding no gold (Figure 6 and 7). In the above section on trenching, the results were briefly discussed and it turns out all the rock types that yielded the best gold results are related to the contact zone between the volcanic rocks and metasediments which is consistent with the previous findings discussed above (Minfile 115G 077). Strongly silicified quartzite and schist yielded the best gold results, followed by dacite which is interpreted to represent the chilled margin of the porphyry. Notably in trench one (PLTR001), the highest gold value occurred in the only interval that was noted for arsenopyrite (1%).

One interesting feature of the Pluto property is the occurrence of marble beds within the Finlayson metasediments, this carbonate bed is shallowly dipping (10°-12°) and is observed in more than one location on the property (Figure 4). This carbonate bed ranges in thickness from 1.5-5m within the various locations. There was a carbonate bed observed on a ridge east of the trenching site in a location that was topographically higher. Malachite and azurite were observed during trenching indicative of the presence of carbonate coming into contact with fluids that contain copper or potentially other sulphides. It is likely that during metamorphic fluid exchange, this bed caused a drastic pH change for the passing fluids and it acted like a sulphide trap. The resulting Skarn is probably mineralized along with the surrounding hornfels and silicification alteration zone.

RECOMMENDATIONS

The following work programme is planned for 2012:

- Follow up on new soil chemistry results with geological mapping
- Detailed mapping of anomalous gold regions
- Potential grid soil sampling of anomalous regions
- Planning for potential drill programme

STATEMENT OF QUALIFICATION

I, Carrie Wong, located in Vancouver, British Columbia do hereby certify that:

1. I am a graduate of the University of British Columbia (2011) with a Bachelor's of Science in Geology with Honors.
2. I am a registered Geologist-In-Training (GIT) at the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC).
3. I was hired by Ryan Gold Corp. in May of 2011 to do field exploration, data management and ArcGIS work in the Yukon.
4. I logged the two trenches and spent 4 days mapping on the Pluto property. I also was responsible for synthesizing and interpreting the results of the mapping for Ryan Gold Corp. in the fall of 2011.

Carrie Wong, GIT

SUMMARY OF EXPENDITURES

MAPPING AND ROCK SAMPLING

	Description		Rate	Unit	Total
CONTRACTOR:					
	JP Explorations Services Inc., Whitehorse, YK (Inv.340)				
	- 2 days Mapping/Sampling/June 22 & 30	per day	\$ 850.00	2	\$ 1,700.00
WAGES:					
	I.Gendall-VPExploration	per day	\$ 800.00	1	\$ 800.00
	H.Jin-Senior Geologist	per day	\$ 550.00	2.25	\$ 1,237.50
	E.Raine	per day	\$ 300.00	1	\$ 300.00
	C.Wong	per day	\$ 275.00	4	\$ 1,100.00
	R.Christian	per day	\$ 210.00	1	\$ 210.00
	B.Fung	per day	\$ 230.00	4	\$ 920.00
	R.Albino	per day	\$ 190.00	2	\$ 380.00
	W.Perrin	per day	\$ 250.00	2.5	\$ 625.00
CONSUMABLE SAMPLING SUPPLIES:					
	Flagging, Metal ID Tags, Sample Bags, Ore Bags, Rice Bags, etc.	per sample	\$ 1.00	41	\$ 41.00

EQUIPMENT RENTAL (per unit, per day):					
	Iridium Satellite Phone: 1 per crew, charge 10 min/day	per day&min	\$ 35.00	4	\$ 140.00
	Radio: ICOM Handheld: 1 per person	per day	\$ 5.00	17.75	\$ 88.75
	Computer/Software: 1 per camp nightly data download	per day	\$ 50.00	4	\$ 200.00
	Handheld GPS/Camera/Data Recorder	per day	\$ 15.00	17.75	\$ 266.25
ACCOMODATION and FOOD:					
	Remote Camp Fee: full fly camp/kitchen/generator	per man day	\$ 35.00	16.75	\$ 586.25
	Dawson Accommodation Fee: Samplers based in Dawson	per man day	\$ 35.00		\$ -
	Food	per man day	\$ 50.00	16.75	\$ 837.50
HELICOPTER SUPPORT:					
	Trans North - 14.0 hours @ \$1575/hour + FUEL				\$ 26,266.47
	Great River Aviation/Inv. 2956				\$ 649.84
ANALYTICAL ANALYSIS COSTS:					
	Acme Laboratories, Vancouver, B.C./ROCK	per sample	\$ 38.00	41	\$ 1,558.00
REPORT WRITING:					
					\$ 1,000.00
	TOTAL COST:				\$ 36,406.56

TRENCHING PROGRAM

	Description		Rate	Unit	Total
CONTRACTOR:					
	Talus Exploration Inc., Dawson City, Yukon				
	Inv.PLU-2011-01 - Excavating 2 trenches - July 5 to 23/11				\$ 13,383.00
WAGES:					
	I.Gendall-VP Exploration - Program design/Supervision	per day	\$ 800.00	1	\$ 800.00
	H.Jin-Senior Geologist	per day	\$ 550.00	2.75	\$ 1,512.50
	C.Wong - Junior Geologist	per day	\$ 275.00	3	\$ 825.00
	B.Fung - Geo Tech	per day	\$ 230.00	3	\$ 690.00
	R.Christian - Geo Tech	per day	\$ 210.00	3	\$ 630.00
CONSUMABLE SAMPLING SUPPLIES:					
	Flagging, Metal ID Tags, Sample Bags, Ore Bags, Rice Bags, etc.	per sample	\$ 1.00	92	\$ 92.00
EQUIPMENT RENTAL (per unit, per day):					
	Iridium Satellite Phone: 1 per crew, charge 10 min/day	per day&min	\$ 35.00	3	\$ 105.00
	Radio: ICOM Handheld: 1 per person	per day	\$ 5.00	12.75	\$ 63.75
	Handheld GPS/Camera/Data Recorder	per day	\$ 15.00	12.75	\$ 191.25

ACCOMODATION and FOOD:					
	Remote Camp Fee: full fly camp/kitchen/generator	per man day	\$ 35.00	12.75	\$ 446.25
	Dawson Accommodation Fee: Samplers based in Dawson	per man day	\$ 35.00		\$ -
	Food	per man day	\$ 50.00	12.75	\$ 637.50
HELICOPTER SUPPORT:					
	Trans North - 7.5 hours @ \$1575/hour + FUEL				\$11,914.93
	Great River Aviation/Inv.2966/2.8 hours + FUEL				\$ 1,299.68
ANALYTICAL ANALYSIS COSTS:					
	Acme Laboratories, Vancouver, B.C./Trench Samples	per sample	\$ 38.00	92	\$ 3,496.00
REPORT WRITING:					\$ 500.00
	TOTAL COST:				\$ 36,586.86

SOIL PROGRAM

	Description		Rate	Unit	Total
WAGES:					
	Soil Samplers	per day	\$ 350.00	68	\$ 23,800.00
	Project Forman	per day	\$ 400.00	17	\$ 6,800.00
	Stat Holiday				\$ 1,800.00
DATA MANAGEMENT & PROCESSING SERVICES:					
	GIS/Job Layout/Mapping/Results Plotting	per hour	\$ 75.00	5	\$ 375.00
	Data Processing: In the field	per hour	\$ 60.00	18	\$ 1,080.00
	Database Management/Chain of Custody, Barcoded Samples	\$0.50/sample	\$ 0.50	2660	\$ 1,330.00
	Georeferenced In situ Sample & Sample Site Photos	per sample	\$ 0.50	2939	\$ 1,469.50
CONSUMABLE SAMPLING SUPPLIES:					
	Flagging, Metal ID Tags, Sample Bags, Ore Bags, Rice Bags, etc.	per sample	\$ 1.00	2660	\$ 2,660.00
EQUIPMENT RENTAL (per unit, per day):					
	Chainsaw drop kit: 1 per helicopter load, or as required	per day	\$ 35.00	17	\$ 595.00
	Iridium Satellite Phone: 1 per crew, charge 10 min/day	per day&min	\$ 35.00	17	\$ 595.00
	Radio: ICOM Handheld: 1 per person	per day	\$	85	\$

			5.00		425.00
	Computer/Software: 1 per camp nightly data download	per day	\$ 50.00	7	\$ 350.00
	Handheld GPS/Barcode Scanner/Camera/Data Recorder	per day	\$ 15.00	85	\$ 1,275.00
ACCOMODATION and FOOD:					
	Remote Camp Fee: full fly camp/kitchen/generator	per man day	\$ 35.00	85	\$ 2,975.00
	Dawson Accomodation Fee: Samplers based in Dawson	per man day	\$ 35.00		\$ -
	Food	per man day	\$ 50.00	85	\$ 4,250.00
MOBILIZATION/OPERATIONAL CHARGES					\$ 13,125.43
HELICOPTER SUPPORT:					
	Trans North - 15.8 hours @ \$1575/hour + FUEL				\$ 29,553.68
ANALYTICAL ANALYSIS COSTS:					
	Acme Laboratories, Vancouver, B.C./SOILS	per sample	\$ 22.00	2660	\$ 58,520.00
REPORT WRITING:					\$ 500.00
			SOIL SAMPLING PROGRAM =		\$ 151,474.93

I, Robin Sudo,
Land Manager/Ryan Gold Corp.
of #600 - 666 Burrard St., Vancouver, B.C. V6C 2X8
Phone 250-421-0939
make oath and say that:

Office Date Stamp

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
2. I have done, or caused to be done, work, on the following mineral claim(s): (Here list claims on which work was actually done by number and name)

See Schedule A attached

PLUTO property

situated at Birch Creek Claim sheet No. 115G09 + 115G16

in the Whitehorse Mining District, to the value of at least \$223,850 dollars,

since the 22nd day of June to the 29th day of July 2011,

to represent the following mineral claims under the authority of Grouping Certificate No. _____
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

See Schedule B attached

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 56).

See Schedule C - Soil Sampling Program + Schedule C - Mapping & Rock Sampling + Schedule C - Trenching

TOTAL EXPENDITURES = \$224,468.35

Report to follow

Sworn before me at Cranbrook BC this 5 day of December 2011.

Donald Paolini
Notary Public

[Signature]
Owner or Authorized Agent

REFERENCES

Israel, S., Murphy, D., Bennett, V., Mortensen, J. and Crowley, J., 2011. New insights into the geology and mineral potential of the Coast Belt in southwestern Yukon. In: Yukon Exploration and Geology 2010, K.E. MacFarlane, L.H. Weston and C. Relf (eds.), Yukon Geological Survey, p. 101-123.

Israel, S., Cobbett, R., Westberg, E., Stanley, B. and Hayward, N., 2011. Preliminary bedrock geology of the Ruby Ranges, southwest Yukon (1:150,000 scale), Yukon Geological Survey Open File 2011-2.

SHAWN RYAN, Jan/08, Assessment Report # YMIP 07-045 by S. Ryan

APPENDIX A

Complete list of Claims

QUARTZ#	GRANT#	LEASE_NUMB	DRAFTING_T	TENURE	NAME	NUMB	OWNER_NAME	STAKING_DA	RECORDED_D	EXPIRY_DAT
32318077	YC60072	NM00509	Quartz	Active	PLUTO	1	Shawn Ryan - 100%	20/03/2007 0:00	02/04/2007 0:00	02/04/2013 0:00
32255635	YC60073	NM00166	Quartz	Active	PLUTO	2	Shawn Ryan - 100%	20/03/2007 0:00	02/04/2007 0:00	02/04/2013 0:00
32351673	YC60074	NM00587	Quartz	Active	PLUTO	3	Shawn Ryan - 100%	20/03/2007 0:00	02/04/2007 0:00	02/04/2013 0:00
32237704	YC60075	NM00531	Quartz	Active	PLUTO	4	Shawn Ryan - 100%	20/03/2007 0:00	02/04/2007 0:00	02/04/2013 0:00
32109907	YC60076	OW00079	Quartz	Active	PLUTO	5	Shawn Ryan - 100%	20/03/2007 0:00	02/04/2007 0:00	02/04/2013 0:00
32109908	YC60077	OW00079	Quartz	Active	PLUTO	6	Shawn Ryan - 100%	20/03/2007 0:00	02/04/2007 0:00	02/04/2013 0:00
32129915	YD132783	OW00079	Quartz	Active	PLUTO	7	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32129916	YD132784	OW00079	Quartz	Active	PLUTO	8	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32129917	YD132785	OW00079	Quartz	Active	PLUTO	9	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32351107	YD132786	NM00033	Quartz	Active	PLUTO	10	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32249202	YD132787	XM00233	Quartz	Active	PLUTO	11	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32289284	YD132788	NM00037	Quartz	Active	PLUTO	12	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32129918	YD132789	OW00079	Quartz	Active	PLUTO	13	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32317436	YD132790	OM00027	Quartz	Active	PLUTO	14	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32124840	YD132791	OW00079	Quartz	Active	PLUTO	15	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32314665	YD132792	XM00206	Quartz	Active	PLUTO	16	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32241876	YD132793	XM00442	Quartz	Active	PLUTO	17	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32124841	YD132794	OW00079	Quartz	Active	PLUTO	18	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32124842	YD132795	OW00079	Quartz	Active	PLUTO	19	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32124843	YD132796	OW00079	Quartz	Active	PLUTO	20	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32124844	YD132797	OW00079	Quartz	Active	PLUTO	21	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32265765	YD132798	XM00304	Quartz	Active	PLUTO	22	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00

32298371	YD132799	XM00419	Quartz	Active	PLUTO	23	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32124845	YD132800	OW00079	Quartz	Active	PLUTO	24	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32301079	YD132801	NM00323	Quartz	Active	PLUTO	25	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32298372	YD132802	XM00419	Quartz	Active	PLUTO	26	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32349684	YD132803	NM00201	Quartz	Active	PLUTO	27	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32258131	YD132804	NM00397	Quartz	Active	PLUTO	28	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32129919	YD132805	OW00079	Quartz	Active	PLUTO	29	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32129920	YD132806	OW00079	Quartz	Active	PLUTO	30	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32129921	YD132807	OW00079	Quartz	Active	PLUTO	31	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32305633	YD132808	3424	Quartz	Active	PLUTO	32	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32129922	YD132809	OW00079	Quartz	Active	PLUTO	33	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32249201	YD132810	XM00233	Quartz	Active	PLUTO	34	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32129923	YD132811	OW00079	Quartz	Active	PLUTO	35	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32129924	YD132812	OW00079	Quartz	Active	PLUTO	36	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32305632	YD132813	3424	Quartz	Active	PLUTO	37	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32128551	YD132814	OW00079	Quartz	Active	PLUTO	38	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32124846	YD132815	OW00079	Quartz	Active	PLUTO	39	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32124847	YD132816	OW00079	Quartz	Active	PLUTO	40	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32299399	YD132817	OW00047	Quartz	Active	PLUTO	41	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32126910	YD132818	OW00079	Quartz	Active	PLUTO	42	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32126911	YD132819	OW00079	Quartz	Active	PLUTO	43	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32271656	YD132820	NM00148	Quartz	Active	PLUTO	44	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32271655	YD132821	NM00148	Quartz	Active	PLUTO	45	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32125978	YD132822	OW00079	Quartz	Active	PLUTO	46	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32125979	YD132823	OW00079	Quartz	Active	PLUTO	47	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32322014	YD132824	NM00310	Quartz	Active	PLUTO	48	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32124659	YD132825	OW00079	Quartz	Active	PLUTO	49	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32307308	YD132826	2223	Quartz	Active	PLUTO	50	Shawn Ryan - 100%	02/12/2010 0:00	06/12/2010 0:00	06/12/2011 0:00
32317435	YD132827	OM00027	Quartz	Active	PLUTO	51	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00

32128552	YD132828	OW00079	Quartz	Active	PLUTO	52	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32323588	YD132829	NM00460	Quartz	Active	PLUTO	53	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32128553	YD132830	OW00079	Quartz	Active	PLUTO	54	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32338057	YD132831	XM00509	Quartz	Active	PLUTO	55	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32251832	YD132832	NM00579	Quartz	Active	PLUTO	56	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32235611	YD132833	NM00322	Quartz	Active	PLUTO	57	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32232889	YD132834	XM00219	Quartz	Active	PLUTO	58	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32128554	YD132835	OW00079	Quartz	Active	PLUTO	59	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32128631	YD132836	OW00079	Quartz	Active	PLUTO	60	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32128632	YD132837	OW00079	Quartz	Active	PLUTO	61	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32128633	YD132838	OW00079	Quartz	Active	PLUTO	62	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32336662	YD132839	NM00544	Quartz	Active	PLUTO	63	Shawn Ryan - 100%	02/12/2010 0:00	02/12/2010 0:00	02/12/2011 0:00
32128634	YD132840	OW00079	Quartz	Active	PLUTO	64	Shawn Ryan - 100%	02/12/2010 0:00	02/12/2010 0:00	02/12/2011 0:00
32128635	YD132841	OW00079	Quartz	Active	PLUTO	65	Shawn Ryan - 100%	02/12/2010 0:00	02/12/2010 0:00	02/12/2011 0:00
32273054	YD132842	NM00018	Quartz	Active	PLUTO	66	Shawn Ryan - 100%	02/12/2010 0:00	02/12/2010 0:00	02/12/2011 0:00
32128636	YD132843	OW00079	Quartz	Active	PLUTO	67	Shawn Ryan - 100%	02/12/2010 0:00	02/12/2010 0:00	02/12/2011 0:00
32352737	YD132844	NM00587	Quartz	Active	PLUTO	68	Shawn Ryan - 100%	02/12/2010 0:00	02/12/2010 0:00	02/12/2011 0:00
32314786	YD132845	XM00206	Quartz	Active	PLUTO	69	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32128637	YD132846	OW00079	Quartz	Active	PLUTO	70	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32128638	YD132847	OW00079	Quartz	Active	PLUTO	71	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32330916	YD132848	XM00090	Quartz	Active	PLUTO	72	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32349685	YD132849	NM00201	Quartz	Active	PLUTO	73	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32347030	YD132850	XM00335	Quartz	Active	PLUTO	74	Shawn Ryan - 100%	02/12/2010 0:00	09/12/2010 0:00	09/12/2011 0:00
32307251	YD132851	2223	Quartz	Active	PLUTO	75	Shawn Ryan - 100%	02/12/2010 0:00	02/12/2010 0:00	02/12/2011 0:00
32249200	YD132852	XM00233	Quartz	Active	PLUTO	76	Shawn Ryan - 100%	02/12/2010 0:00	02/12/2010 0:00	02/12/2011 0:00
32255045	YD132853	NM00444	Quartz	Active	PLUTO	77	Shawn Ryan - 100%	02/12/2010 0:00	02/12/2010 0:00	02/12/2011 0:00
32128639	YD132854	OW00079	Quartz	Active	PLUTO	78	Shawn Ryan - 100%	02/12/2010 0:00	02/12/2010 0:00	02/12/2011 0:00
32287820	YD132855	NM00046	Quartz	Active	PLUTO	79	Shawn Ryan - 100%	02/12/2010 0:00	02/12/2010 0:00	02/12/2011 0:00
32250266	YD132856	NM00276	Quartz	Active	PLUTO	80	Shawn Ryan - 100%	02/12/2010 0:00	02/12/2010 0:00	02/12/2011 0:00

32293771	YE18781	4126	Quartz	Active	PLUTO	81	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293770	YE18782	4126	Quartz	Active	PLUTO	82	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133798	YE18783	OW00079	Quartz	Active	PLUTO	83	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133799	YE18784	OW00079	Quartz	Active	PLUTO	84	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342418	YE18785	4066	Quartz	Active	PLUTO	85	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244627	YE18786	XM00442	Quartz	Active	PLUTO	86	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261080	YE18787	NM00397	Quartz	Active	PLUTO	87	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358737	YE18788	NM00590	Quartz	Active	PLUTO	88	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358736	YE18789	NM00590	Quartz	Active	PLUTO	89	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277402	YE18790	NM00470	Quartz	Active	PLUTO	90	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134223	YE18791	OW00079	Quartz	Active	PLUTO	91	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134224	YE18792	OW00079	Quartz	Active	PLUTO	92	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326311	YE18793	NM00460	Quartz	Active	PLUTO	93	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293728	YE18794	4126	Quartz	Active	PLUTO	94	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134225	YE18795	OW00079	Quartz	Active	PLUTO	95	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134226	YE18796	OW00079	Quartz	Active	PLUTO	96	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134227	YE18797	OW00079	Quartz	Active	PLUTO	97	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134228	YE18798	OW00079	Quartz	Active	PLUTO	98	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134229	YE18799	OW00079	Quartz	Active	PLUTO	99	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134230	YE18800	OW00079	Quartz	Active	PLUTO	100	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293698	YE18801	4126	Quartz	Active	PLUTO	101	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293695	YE18802	4126	Quartz	Active	PLUTO	102	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134600	YE18803	OW00079	Quartz	Active	PLUTO	103	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134601	YE18804	OW00079	Quartz	Active	PLUTO	104	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134602	YE18805	OW00079	Quartz	Active	PLUTO	105	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277368	YE18806	NM00470	Quartz	Active	PLUTO	106	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310036	YE18807	2223	Quartz	Active	PLUTO	107	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132970	YE18808	OW00079	Quartz	Active	PLUTO	108	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310127	YE18809	2223	Quartz	Active	PLUTO	109	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32261098	YE18810	NM00397	Quartz	Active	PLUTO	110	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244638	YE18811	XM00442	Quartz	Active	PLUTO	111	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132971	YE18812	OW00079	Quartz	Active	PLUTO	112	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277416	YE18813	NM00470	Quartz	Active	PLUTO	113	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132972	YE18814	OW00079	Quartz	Active	PLUTO	114	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358753	YE18815	NM00590	Quartz	Active	PLUTO	115	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132973	YE18816	OW00079	Quartz	Active	PLUTO	116	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132974	YE18817	OW00079	Quartz	Active	PLUTO	117	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132975	YE18818	OW00079	Quartz	Active	PLUTO	118	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132976	YE18819	OW00079	Quartz	Active	PLUTO	119	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132977	YE18820	OW00079	Quartz	Active	PLUTO	120	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132978	YE18821	OW00079	Quartz	Active	PLUTO	121	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132979	YE18822	OW00079	Quartz	Active	PLUTO	122	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326310	YE18823	NM00460	Quartz	Active	PLUTO	123	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244601	YE18824	XM00442	Quartz	Active	PLUTO	124	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244588	YE18825	XM00442	Quartz	Active	PLUTO	125	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132980	YE18826	OW00079	Quartz	Active	PLUTO	126	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132981	YE18827	OW00079	Quartz	Active	PLUTO	127	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293715	YE18828	4126	Quartz	Active	PLUTO	128	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358711	YE18829	NM00590	Quartz	Active	PLUTO	129	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132982	YE18830	OW00079	Quartz	Active	PLUTO	130	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358696	YE18831	NM00590	Quartz	Active	PLUTO	131	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132983	YE18832	OW00079	Quartz	Active	PLUTO	132	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132984	YE18833	OW00079	Quartz	Active	PLUTO	133	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132985	YE18834	OW00079	Quartz	Active	PLUTO	134	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132986	YE18835	OW00079	Quartz	Active	PLUTO	135	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132987	YE18836	OW00079	Quartz	Active	PLUTO	136	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132988	YE18837	OW00079	Quartz	Active	PLUTO	137	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261109	YE18838	NM00397	Quartz	Active	PLUTO	138	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32132989	YE18839	OW00079	Quartz	Active	PLUTO	139	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277429	YE18840	NM00470	Quartz	Active	PLUTO	140	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310126	YE18841	2223	Quartz	Active	PLUTO	141	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261095	YE18842	NM00397	Quartz	Active	PLUTO	142	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293754	YE18843	4126	Quartz	Active	PLUTO	143	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132990	YE18844	OW00079	Quartz	Active	PLUTO	144	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293749	YE18845	4126	Quartz	Active	PLUTO	145	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132991	YE18846	OW00079	Quartz	Active	PLUTO	146	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310099	YE18847	2223	Quartz	Active	PLUTO	147	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261059	YE18848	NM00397	Quartz	Active	PLUTO	148	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326327	YE18849	NM00460	Quartz	Active	PLUTO	149	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132992	YE18850	OW00079	Quartz	Active	PLUTO	150	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132996	YE18851	OW00079	Quartz	Active	PLUTO	151	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132997	YE18852	OW00079	Quartz	Active	PLUTO	152	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132998	YE18853	OW00079	Quartz	Active	PLUTO	153	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132999	YE18854	OW00079	Quartz	Active	PLUTO	154	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342385	YE18855	4066	Quartz	Active	PLUTO	155	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133074	YE18856	OW00079	Quartz	Active	PLUTO	156	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133075	YE18857	OW00079	Quartz	Active	PLUTO	157	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358713	YE18858	NM00590	Quartz	Active	PLUTO	158	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134131	YE18859	OW00079	Quartz	Active	PLUTO	159	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326282	YE18860	NM00460	Quartz	Active	PLUTO	160	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342375	YE18861	4066	Quartz	Active	PLUTO	161	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132993	YE18862	OW00079	Quartz	Active	PLUTO	162	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132994	YE18863	OW00079	Quartz	Active	PLUTO	163	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132995	YE18864	OW00079	Quartz	Active	PLUTO	164	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310148	YE18865	2223	Quartz	Active	PLUTO	165	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310146	YE18866	2223	Quartz	Active	PLUTO	166	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261110	YE18867	NM00397	Quartz	Active	PLUTO	167	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32133077	YE18868	OW00079	Quartz	Active	PLUTO	168	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326359	YE18869	NM00460	Quartz	Active	PLUTO	169	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358774	YE18870	NM00590	Quartz	Active	PLUTO	170	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133476	YE18871	OW00079	Quartz	Active	PLUTO	171	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133477	YE18872	OW00079	Quartz	Active	PLUTO	172	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133478	YE18873	OW00079	Quartz	Active	PLUTO	173	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326344	YE18874	NM00460	Quartz	Active	PLUTO	174	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133479	YE18875	OW00079	Quartz	Active	PLUTO	175	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133480	YE18876	OW00079	Quartz	Active	PLUTO	176	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133481	YE18877	OW00079	Quartz	Active	PLUTO	177	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133482	YE18878	OW00079	Quartz	Active	PLUTO	178	Shawn Ryan - 100%	14/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133483	YE18879	OW00079	Quartz	Active	PLUTO	179	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261042	YE18880	NM00397	Quartz	Active	PLUTO	180	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133484	YE18881	OW00079	Quartz	Active	PLUTO	181	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261041	YE18882	NM00397	Quartz	Active	PLUTO	182	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133485	YE18883	OW00079	Quartz	Active	PLUTO	183	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133486	YE18884	OW00079	Quartz	Active	PLUTO	184	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310063	YE18885	2223	Quartz	Active	PLUTO	185	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133487	YE18886	OW00079	Quartz	Active	PLUTO	186	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261020	YE18887	NM00397	Quartz	Active	PLUTO	187	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358712	YE18888	NM00590	Quartz	Active	PLUTO	188	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133488	YE18889	OW00079	Quartz	Active	PLUTO	189	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133489	YE18890	OW00079	Quartz	Active	PLUTO	190	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133490	YE18891	OW00079	Quartz	Active	PLUTO	191	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133491	YE18892	OW00079	Quartz	Active	PLUTO	192	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244654	YE18893	XM00442	Quartz	Active	PLUTO	193	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133492	YE18894	OW00079	Quartz	Active	PLUTO	194	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133493	YE18895	OW00079	Quartz	Active	PLUTO	195	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342440	YE18896	4066	Quartz	Active	PLUTO	196	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32133494	YE18897	OW00079	Quartz	Active	PLUTO	197	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277430	YE18898	NM00470	Quartz	Active	PLUTO	198	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133495	YE18899	OW00079	Quartz	Active	PLUTO	199	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133496	YE18900	OW00079	Quartz	Active	PLUTO	200	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133497	YE18901	OW00079	Quartz	Active	PLUTO	201	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326346	YE18902	NM00460	Quartz	Active	PLUTO	202	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293750	YE18903	4126	Quartz	Active	PLUTO	203	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133498	YE18904	OW00079	Quartz	Active	PLUTO	204	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133499	YE18905	OW00079	Quartz	Active	PLUTO	205	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293741	YE18906	4126	Quartz	Active	PLUTO	206	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310097	YE18907	2223	Quartz	Active	PLUTO	207	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326328	YE18908	NM00460	Quartz	Active	PLUTO	208	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293740	YE18909	4126	Quartz	Active	PLUTO	209	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358725	YE18910	NM00590	Quartz	Active	PLUTO	210	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244602	YE18911	XM00442	Quartz	Active	PLUTO	211	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132375	YE18912	OW00079	Quartz	Active	PLUTO	212	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132376	YE18913	OW00079	Quartz	Active	PLUTO	213	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132377	YE18914	OW00079	Quartz	Active	PLUTO	214	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261022	YE18915	NM00397	Quartz	Active	PLUTO	215	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132378	YE18916	OW00079	Quartz	Active	PLUTO	216	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132379	YE18917	OW00079	Quartz	Active	PLUTO	217	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244579	YE18918	XM00442	Quartz	Active	PLUTO	218	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358697	YE18919	NM00590	Quartz	Active	PLUTO	219	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342376	YE18920	4066	Quartz	Active	PLUTO	220	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133244	YE18921	OW00079	Quartz	Active	PLUTO	221	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277441	YE18922	NM00470	Quartz	Active	PLUTO	222	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244652	YE18923	XM00442	Quartz	Active	PLUTO	223	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133245	YE18924	OW00079	Quartz	Active	PLUTO	224	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310145	YE18925	2223	Quartz	Active	PLUTO	225	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32133246	YE18926	OW00079	Quartz	Active	PLUTO	226	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261099	YE18927	NM00397	Quartz	Active	PLUTO	227	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293773	YE18928	4126	Quartz	Active	PLUTO	228	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244637	YE18929	XM00442	Quartz	Active	PLUTO	229	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358772	YE18930	NM00590	Quartz	Active	PLUTO	230	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358754	YE18931	NM00590	Quartz	Active	PLUTO	231	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326345	YE18932	NM00460	Quartz	Active	PLUTO	232	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342417	YE18933	4066	Quartz	Active	PLUTO	233	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133247	YE18934	OW00079	Quartz	Active	PLUTO	234	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244617	YE18935	XM00442	Quartz	Active	PLUTO	235	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133248	YE18936	OW00079	Quartz	Active	PLUTO	236	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133322	YE18937	OW00079	Quartz	Active	PLUTO	237	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133323	YE18938	OW00079	Quartz	Active	PLUTO	238	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133324	YE18939	OW00079	Quartz	Active	PLUTO	239	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133325	YE18940	OW00079	Quartz	Active	PLUTO	240	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310078	YE18941	2223	Quartz	Active	PLUTO	241	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244600	YE18942	XM00442	Quartz	Active	PLUTO	242	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133326	YE18943	OW00079	Quartz	Active	PLUTO	243	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293718	YE18944	4126	Quartz	Active	PLUTO	244	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293716	YE18945	4126	Quartz	Active	PLUTO	245	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133327	YE18946	OW00079	Quartz	Active	PLUTO	246	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277370	YE18947	NM00470	Quartz	Active	PLUTO	247	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133328	YE18948	OW00079	Quartz	Active	PLUTO	248	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277451	YE18949	NM00470	Quartz	Active	PLUTO	249	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133329	YE18950	OW00079	Quartz	Active	PLUTO	250	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342443	YE18951	4066	Quartz	Active	PLUTO	251	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133330	YE18952	OW00079	Quartz	Active	PLUTO	252	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133331	YE18953	OW00079	Quartz	Active	PLUTO	253	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133332	YE18954	OW00079	Quartz	Active	PLUTO	254	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32358788	YE18955	NM00590	Quartz	Active	PLUTO	255	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133333	YE18956	OW00079	Quartz	Active	PLUTO	256	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32133334	YE18957	OW00079	Quartz	Active	PLUTO	257	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277428	YE18958	NM00470	Quartz	Active	PLUTO	258	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135381	YE18959	OW00079	Quartz	Active	PLUTO	259	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261094	YE18960	NM00397	Quartz	Active	PLUTO	260	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135382	YE18961	OW00079	Quartz	Active	PLUTO	261	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244628	YE18962	XM00442	Quartz	Active	PLUTO	262	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135383	YE18963	OW00079	Quartz	Active	PLUTO	263	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135384	YE18964	OW00079	Quartz	Active	PLUTO	264	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310098	YE18965	2223	Quartz	Active	PLUTO	265	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134038	YE18966	OW00079	Quartz	Active	PLUTO	266	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358732	YE18967	NM00590	Quartz	Active	PLUTO	267	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134039	YE18968	OW00079	Quartz	Active	PLUTO	268	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277390	YE18969	NM00470	Quartz	Active	PLUTO	269	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134040	YE18970	OW00079	Quartz	Active	PLUTO	270	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134041	YE18971	OW00079	Quartz	Active	PLUTO	271	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134042	YE18972	OW00079	Quartz	Active	PLUTO	272	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134043	YE18973	OW00079	Quartz	Active	PLUTO	273	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134044	YE18974	OW00079	Quartz	Active	PLUTO	274	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32134045	YE18975	OW00079	Quartz	Active	PLUTO	275	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261019	YE18976	NM00397	Quartz	Active	PLUTO	276	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132496	YE18977	OW00079	Quartz	Active	PLUTO	277	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310160	YE18978	2223	Quartz	Active	PLUTO	278	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132497	YE18979	OW00079	Quartz	Active	PLUTO	279	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244667	YE18980	XM00442	Quartz	Active	PLUTO	280	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132498	YE18981	OW00079	Quartz	Active	PLUTO	281	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132499	YE18982	OW00079	Quartz	Active	PLUTO	282	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132500	YE18983	OW00079	Quartz	Active	PLUTO	283	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32358789	YE18984	NM00590	Quartz	Active	PLUTO	284	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293786	YE18985	4126	Quartz	Active	PLUTO	285	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132501	YE18986	OW00079	Quartz	Active	PLUTO	286	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326358	YE18987	NM00460	Quartz	Active	PLUTO	287	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326356	YE18988	NM00460	Quartz	Active	PLUTO	288	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358771	YE18989	NM00590	Quartz	Active	PLUTO	289	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342419	YE18990	4066	Quartz	Active	PLUTO	290	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293751	YE18991	4126	Quartz	Active	PLUTO	291	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32132572	YE18992	OW00079	Quartz	Active	PLUTO	292	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244625	YE18993	XM00442	Quartz	Active	PLUTO	293	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358738	YE18994	NM00590	Quartz	Active	PLUTO	294	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135588	YE18995	XM00227	Quartz	Active	PLUTO	295	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135589	YE18996	XM00227	Quartz	Active	PLUTO	296	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326326	YE18997	NM00460	Quartz	Active	PLUTO	297	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135590	YE18998	XM00227	Quartz	Active	PLUTO	298	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135980	YE18999	NM00135	Quartz	Active	PLUTO	299	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135981	YE19000	NM00135	Quartz	Active	PLUTO	300	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358724	YE19001	NM00590	Quartz	Active	PLUTO	301	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135982	YE19002	NM00135	Quartz	Active	PLUTO	302	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135983	YE19003	NM00135	Quartz	Active	PLUTO	303	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135984	YE19004	NM00135	Quartz	Active	PLUTO	304	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326387	YE19005	NM00460	Quartz	Active	PLUTO	305	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342460	YE19006	4066	Quartz	Active	PLUTO	306	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342458	YE19007	4066	Quartz	Active	PLUTO	307	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293810	YE19008	4126	Quartz	Active	PLUTO	308	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135985	YE19009	NM00135	Quartz	Active	PLUTO	309	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135986	YE19010	NM00135	Quartz	Active	PLUTO	310	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342441	YE19011	4066	Quartz	Active	PLUTO	311	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244651	YE19012	XM00442	Quartz	Active	PLUTO	312	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32326369	YE19013	NM00460	Quartz	Active	PLUTO	313	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135987	YE19014	NM00135	Quartz	Active	PLUTO	314	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293774	YE19015	4126	Quartz	Active	PLUTO	315	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135988	YE19016	NM00135	Quartz	Active	PLUTO	316	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135989	YE19017	NM00135	Quartz	Active	PLUTO	317	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244636	YE19018	XM00442	Quartz	Active	PLUTO	318	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135990	YE19019	NM00135	Quartz	Active	PLUTO	319	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135991	YE19020	NM00135	Quartz	Active	PLUTO	320	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135992	YE19021	NM00135	Quartz	Active	PLUTO	321	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135993	YE19022	NM00135	Quartz	Active	PLUTO	322	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358739	YE19023	NM00590	Quartz	Active	PLUTO	323	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135994	YE19024	NM00135	Quartz	Active	PLUTO	324	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261058	YE19025	NM00397	Quartz	Active	PLUTO	325	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358733	YE19026	NM00590	Quartz	Active	PLUTO	326	Shawn Ryan - 100%	15/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135995	YE19027	NM00135	Quartz	Active	PLUTO	327	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135996	YE19028	NM00135	Quartz	Active	PLUTO	328	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135997	YE19029	NM00135	Quartz	Active	PLUTO	329	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135998	YE19030	NM00135	Quartz	Active	PLUTO	330	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135999	YE19031	NM00135	Quartz	Active	PLUTO	331	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261023	YE19032	NM00397	Quartz	Active	PLUTO	332	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136000	YE19033	NM00135	Quartz	Active	PLUTO	333	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136001	YE19034	NM00135	Quartz	Active	PLUTO	334	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342461	YE19035	4066	Quartz	Active	PLUTO	335	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136002	YE19036	NM00135	Quartz	Active	PLUTO	336	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244668	YE19037	XM00442	Quartz	Active	PLUTO	337	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136003	YE19038	NM00135	Quartz	Active	PLUTO	338	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136004	YE19039	NM00135	Quartz	Active	PLUTO	339	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136005	YE19040	NM00135	Quartz	Active	PLUTO	340	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310149	YE19041	2223	Quartz	Active	PLUTO	341	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32358790	YE19042	NM00590	Quartz	Active	PLUTO	342	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136006	YE19043	NM00135	Quartz	Active	PLUTO	343	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244649	YE19044	XM00442	Quartz	Active	PLUTO	344	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136007	YE19045	NM00135	Quartz	Active	PLUTO	345	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293772	YE19046	4126	Quartz	Active	PLUTO	346	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136484	YE19047	NM00597	Quartz	Active	PLUTO	347	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136485	YE19048	NM00597	Quartz	Active	PLUTO	348	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136486	YE19049	NM00597	Quartz	Active	PLUTO	349	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293753	YE19050	4126	Quartz	Active	PLUTO	350	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136487	YE19051	NM00597	Quartz	Active	PLUTO	351	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136488	YE19052	NM00597	Quartz	Active	PLUTO	352	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261061	YE19053	NM00397	Quartz	Active	PLUTO	353	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244616	YE19054	XM00442	Quartz	Active	PLUTO	354	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342406	YE19055	4066	Quartz	Active	PLUTO	355	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342405	YE19056	4066	Quartz	Active	PLUTO	356	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244605	YE19057	XM00442	Quartz	Active	PLUTO	357	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244604	YE19058	XM00442	Quartz	Active	PLUTO	358	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136489	YE19059	NM00597	Quartz	Active	PLUTO	359	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136490	YE19060	NM00597	Quartz	Active	PLUTO	360	Shawn Ryan - 100%	16/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261125	YE19061	NM00397	Quartz	Active	PLUTO	361	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342462	YE19062	4066	Quartz	Active	PLUTO	362	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244669	YE19063	XM00442	Quartz	Active	PLUTO	363	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310163	YE19064	2223	Quartz	Active	PLUTO	364	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136491	YE19065	NM00597	Quartz	Active	PLUTO	365	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310161	YE19066	2223	Quartz	Active	PLUTO	366	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136492	YE19067	NM00597	Quartz	Active	PLUTO	367	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136493	YE19068	NM00597	Quartz	Active	PLUTO	368	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136494	YE19069	NM00597	Quartz	Active	PLUTO	369	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310150	YE19070	2223	Quartz	Active	PLUTO	370	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32244650	YE19071	XM00442	Quartz	Active	PLUTO	371	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310147	YE19072	2223	Quartz	Active	PLUTO	372	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136495	YE19073	NM00597	Quartz	Active	PLUTO	373	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358775	YE19074	NM00590	Quartz	Active	PLUTO	374	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136496	YE19075	NM00597	Quartz	Active	PLUTO	375	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136497	YE19076	NM00597	Quartz	Active	PLUTO	376	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310125	YE19077	2223	Quartz	Active	PLUTO	377	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136498	YE19078	NM00597	Quartz	Active	PLUTO	378	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136499	YE19079	NM00597	Quartz	Active	PLUTO	379	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136500	YE19080	NM00597	Quartz	Active	PLUTO	380	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293748	YE19081	4126	Quartz	Active	PLUTO	381	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342408	YE19082	4066	Quartz	Active	PLUTO	382	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261060	YE19083	NM00397	Quartz	Active	PLUTO	383	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358734	YE19084	NM00590	Quartz	Active	PLUTO	384	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277400	YE19085	NM00470	Quartz	Active	PLUTO	385	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244606	YE19086	XM00442	Quartz	Active	PLUTO	386	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136501	YE19087	NM00597	Quartz	Active	PLUTO	387	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277389	YE19088	NM00470	Quartz	Active	PLUTO	388	Shawn Ryan - 100%	13/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136502	YE19089	NM00597	Quartz	Active	PLUTO	389	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342273	YE19090	4066	Quartz	Active	PLUTO	390	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136503	YE19091	NM00597	Quartz	Active	PLUTO	391	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136504	YE19092	NM00597	Quartz	Active	PLUTO	392	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136581	YE19093	NM00489	Quartz	Active	PLUTO	393	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136582	YE19094	NM00489	Quartz	Active	PLUTO	394	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261124	YE19095	NM00397	Quartz	Active	PLUTO	395	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136583	YE19096	NM00489	Quartz	Active	PLUTO	396	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326386	YE19097	NM00460	Quartz	Active	PLUTO	397	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310158	YE19098	2223	Quartz	Active	PLUTO	398	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261112	YE19099	NM00397	Quartz	Active	PLUTO	399	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32358791	YE19100	NM00590	Quartz	Active	PLUTO	400	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136584	YE19101	NM00489	Quartz	Active	PLUTO	401	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32136585	YE19102	NM00489	Quartz	Active	PLUTO	402	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137574	YE19103	NM00548	Quartz	Active	PLUTO	403	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244639	YE19104	XM00442	Quartz	Active	PLUTO	404	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326357	YE19105	NM00460	Quartz	Active	PLUTO	405	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137850	YE19106	XM00375	Quartz	Active	PLUTO	406	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326354	YE19107	NM00460	Quartz	Active	PLUTO	407	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137851	YE19108	XM00375	Quartz	Active	PLUTO	408	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137852	YE19109	XM00375	Quartz	Active	PLUTO	409	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358751	YE19110	NM00590	Quartz	Active	PLUTO	410	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293747	YE19111	4126	Quartz	Active	PLUTO	411	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277403	YE19112	NM00470	Quartz	Active	PLUTO	412	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358735	YE19113	NM00590	Quartz	Active	PLUTO	413	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244615	YE19114	XM00442	Quartz	Active	PLUTO	414	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137853	YE19115	XM00375	Quartz	Active	PLUTO	415	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137854	YE19116	XM00375	Quartz	Active	PLUTO	416	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358586	YE19117	NM00590	Quartz	Active	PLUTO	417	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137855	YE19118	XM00375	Quartz	Active	PLUTO	418	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137856	YE19119	XM00375	Quartz	Active	PLUTO	419	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137857	YE19120	XM00375	Quartz	Active	PLUTO	420	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137858	YE19121	XM00375	Quartz	Active	PLUTO	421	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137859	YE19122	XM00375	Quartz	Active	PLUTO	422	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277452	YE19123	NM00470	Quartz	Active	PLUTO	423	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310162	YE19124	2223	Quartz	Active	PLUTO	424	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137860	YE19125	XM00375	Quartz	Active	PLUTO	425	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342457	YE19126	4066	Quartz	Active	PLUTO	426	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137861	YE19127	XM00375	Quartz	Active	PLUTO	427	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342442	YE19128	4066	Quartz	Active	PLUTO	428	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32244653	YE19129	XM00442	Quartz	Active	PLUTO	429	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137862	YE19130	XM00375	Quartz	Active	PLUTO	430	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137863	YE19131	XM00375	Quartz	Active	PLUTO	431	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261111	YE19132	NM00397	Quartz	Active	PLUTO	432	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261100	YE19133	NM00397	Quartz	Active	PLUTO	433	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137864	YE19134	XM00375	Quartz	Active	PLUTO	434	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261096	YE19135	NM00397	Quartz	Active	PLUTO	435	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358773	YE19136	NM00590	Quartz	Active	PLUTO	436	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137865	YE19137	XM00375	Quartz	Active	PLUTO	437	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137866	YE19138	XM00375	Quartz	Active	PLUTO	438	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358752	YE19139	NM00590	Quartz	Active	PLUTO	439	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137867	YE19140	XM00375	Quartz	Active	PLUTO	440	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326329	YE19141	NM00460	Quartz	Active	PLUTO	441	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137868	YE19142	XM00375	Quartz	Active	PLUTO	442	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137869	YE19143	XM00375	Quartz	Active	PLUTO	443	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310096	YE19144	2223	Quartz	Active	PLUTO	444	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138061	YE19145	NM00346	Quartz	Active	PLUTO	445	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244466	YE19146	XM00442	Quartz	Active	PLUTO	446	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138062	YE19147	NM00346	Quartz	Active	PLUTO	447	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138063	YE19148	NM00346	Quartz	Active	PLUTO	448	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326389	YE19149	NM00460	Quartz	Active	PLUTO	449	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326388	YE19150	NM00460	Quartz	Active	PLUTO	450	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138064	YE19151	NM00346	Quartz	Active	PLUTO	451	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310164	YE19152	2223	Quartz	Active	PLUTO	452	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138065	YE19153	NM00346	Quartz	Active	PLUTO	453	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138066	YE19154	NM00346	Quartz	Active	PLUTO	454	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138067	YE19155	NM00346	Quartz	Active	PLUTO	455	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138068	YE19156	NM00346	Quartz	Active	PLUTO	456	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342444	YE19157	4066	Quartz	Active	PLUTO	457	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32358792	YE19158	NM00590	Quartz	Active	PLUTO	458	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138069	YE19159	NM00346	Quartz	Active	PLUTO	459	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138070	YE19160	NM00346	Quartz	Active	PLUTO	460	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138071	YE19161	NM00346	Quartz	Active	PLUTO	461	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138072	YE19162	NM00346	Quartz	Active	PLUTO	462	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261097	YE19163	NM00397	Quartz	Active	PLUTO	463	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138073	YE19164	NM00346	Quartz	Active	PLUTO	464	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138074	YE19165	NM00346	Quartz	Active	PLUTO	465	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138229	YE19166	NM00637	Quartz	Active	PLUTO	466	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277415	YE19167	NM00470	Quartz	Active	PLUTO	467	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261081	YE19168	NM00397	Quartz	Active	PLUTO	468	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342416	YE19169	4066	Quartz	Active	PLUTO	469	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137875	YE19170	XM00375	Quartz	Active	PLUTO	470	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137876	YE19171	XM00375	Quartz	Active	PLUTO	471	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137877	YE19172	XM00375	Quartz	Active	PLUTO	472	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137878	YE19173	XM00375	Quartz	Active	PLUTO	473	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135402	YE19174	NM00232	Quartz	Active	PLUTO	474	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135403	YE19175	NM00232	Quartz	Active	PLUTO	475	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326165	YE19176	NM00460	Quartz	Active	PLUTO	476	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135404	YE19177	NM00232	Quartz	Active	PLUTO	477	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358585	YE19178	NM00590	Quartz	Active	PLUTO	478	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277453	YE19179	NM00470	Quartz	Active	PLUTO	479	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310165	YE19180	2223	Quartz	Active	PLUTO	480	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135463	YE19181	NM00232	Quartz	Active	PLUTO	481	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135464	YE19182	NM00232	Quartz	Active	PLUTO	482	Shawn Ryan - 100%	18/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342459	YE19183	4066	Quartz	Active	PLUTO	483	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358804	YE19184	NM00590	Quartz	Active	PLUTO	484	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342456	YE19185	4066	Quartz	Active	PLUTO	485	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310159	YE19186	2223	Quartz	Active	PLUTO	486	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32261113	YE19187	NM00397	Quartz	Active	PLUTO	487	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135411	YE19188	NM00232	Quartz	Active	PLUTO	488	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135412	YE19189	NM00232	Quartz	Active	PLUTO	489	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277440	YE19190	NM00470	Quartz	Active	PLUTO	490	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342439	YE19191	4066	Quartz	Active	PLUTO	491	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277431	YE19192	NM00470	Quartz	Active	PLUTO	492	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135413	YE19193	NM00232	Quartz	Active	PLUTO	493	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135414	YE19194	NM00232	Quartz	Active	PLUTO	494	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326355	YE19195	NM00460	Quartz	Active	PLUTO	495	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135415	YE19196	NM00232	Quartz	Active	PLUTO	496	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293752	YE19197	4126	Quartz	Active	PLUTO	497	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277414	YE19198	NM00470	Quartz	Active	PLUTO	498	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244626	YE19199	XM00442	Quartz	Active	PLUTO	499	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342407	YE19200	4066	Quartz	Active	PLUTO	500	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244574	YE19201	XM00442	Quartz	Active	PLUTO	501	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310037	YE19202	2223	Quartz	Active	PLUTO	502	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244575	YE19203	XM00442	Quartz	Active	PLUTO	503	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135416	YE19204	NM00232	Quartz	Active	PLUTO	504	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135417	YE19205	NM00232	Quartz	Active	PLUTO	505	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310051	YE19206	2223	Quartz	Active	PLUTO	506	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135418	YE19207	NM00232	Quartz	Active	PLUTO	507	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135419	YE19208	NM00232	Quartz	Active	PLUTO	508	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293697	YE19209	4126	Quartz	Active	PLUTO	509	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261009	YE19210	NM00397	Quartz	Active	PLUTO	510	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135420	YE19211	NM00232	Quartz	Active	PLUTO	511	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277369	YE19212	NM00470	Quartz	Active	PLUTO	512	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135421	YE19213	NM00232	Quartz	Active	PLUTO	513	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261010	YE19214	NM00397	Quartz	Active	PLUTO	514	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135422	YE19215	NM00232	Quartz	Active	PLUTO	515	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32135423	YE19216	NM00232	Quartz	Active	PLUTO	516	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135424	YE19217	NM00232	Quartz	Active	PLUTO	517	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244578	YE19218	XM00442	Quartz	Active	PLUTO	518	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244586	YE19219	XM00442	Quartz	Active	PLUTO	519	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135425	YE19220	NM00232	Quartz	Active	PLUTO	520	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244587	YE19221	XM00442	Quartz	Active	PLUTO	521	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135426	YE19222	NM00232	Quartz	Active	PLUTO	522	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326299	YE19223	NM00460	Quartz	Active	PLUTO	523	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244585	YE19224	XM00442	Quartz	Active	PLUTO	524	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32342386	YE19225	4066	Quartz	Active	PLUTO	525	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261021	YE19226	NM00397	Quartz	Active	PLUTO	526	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326309	YE19227	NM00460	Quartz	Active	PLUTO	527	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326298	YE19228	NM00460	Quartz	Active	PLUTO	528	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135427	YE19229	NM00232	Quartz	Active	PLUTO	529	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293719	YE19230	4126	Quartz	Active	PLUTO	530	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135428	YE19231	NM00232	Quartz	Active	PLUTO	531	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135429	YE19232	NM00232	Quartz	Active	PLUTO	532	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135430	YE19233	NM00232	Quartz	Active	PLUTO	533	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135502	YE19234	NM00232	Quartz	Active	PLUTO	534	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326312	YE19235	NM00460	Quartz	Active	PLUTO	535	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261040	YE19236	NM00397	Quartz	Active	PLUTO	536	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135503	YE19237	NM00232	Quartz	Active	PLUTO	537	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244603	YE19238	XM00442	Quartz	Active	PLUTO	538	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277401	YE19239	NM00470	Quartz	Active	PLUTO	539	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135504	YE19240	NM00232	Quartz	Active	PLUTO	540	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135505	YE19241	NM00232	Quartz	Active	PLUTO	541	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135506	YE19242	NM00232	Quartz	Active	PLUTO	542	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135507	YE19243	NM00232	Quartz	Active	PLUTO	543	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32135508	YE19244	NM00232	Quartz	Active	PLUTO	544	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32135509	YE19245	NM00232	Quartz	Active	PLUTO	545	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293686	YE19246	4126	Quartz	Active	PLUTO	546	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32277358	YE19247	NM00470	Quartz	Active	PLUTO	547	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310035	YE19248	2223	Quartz	Active	PLUTO	548	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358695	YE19249	NM00590	Quartz	Active	PLUTO	549	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137970	YE19250	XM00187	Quartz	Active	PLUTO	550	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137971	YE19251	XM00187	Quartz	Active	PLUTO	551	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358681	YE19252	NM00590	Quartz	Active	PLUTO	552	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137972	YE19253	XM00187	Quartz	Active	PLUTO	553	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310050	YE19254	2223	Quartz	Active	PLUTO	554	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310052	YE19255	2223	Quartz	Active	PLUTO	555	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137973	YE19256	XM00187	Quartz	Active	PLUTO	556	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244577	YE19257	XM00442	Quartz	Active	PLUTO	557	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244573	YE19258	XM00442	Quartz	Active	PLUTO	558	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137974	YE19259	XM00187	Quartz	Active	PLUTO	559	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32261008	YE19260	NM00397	Quartz	Active	PLUTO	560	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137975	YE19261	XM00187	Quartz	Active	PLUTO	561	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32244576	YE19262	XM00442	Quartz	Active	PLUTO	562	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137976	YE19263	XM00187	Quartz	Active	PLUTO	563	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32310053	YE19264	2223	Quartz	Active	PLUTO	564	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137977	YE19265	XM00187	Quartz	Active	PLUTO	565	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293696	YE19266	4126	Quartz	Active	PLUTO	566	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326296	YE19267	NM00460	Quartz	Active	PLUTO	567	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137978	YE19268	XM00187	Quartz	Active	PLUTO	568	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32326297	YE19269	NM00460	Quartz	Active	PLUTO	569	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137979	YE19270	XM00187	Quartz	Active	PLUTO	570	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137980	YE19271	XM00187	Quartz	Active	PLUTO	571	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137981	YE19272	XM00187	Quartz	Active	PLUTO	572	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137982	YE19273	XM00187	Quartz	Active	PLUTO	573	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

32137983	YE19274	XM00187	Quartz	Active	PLUTO	574	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137984	YE19275	XM00187	Quartz	Active	PLUTO	575	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32137985	YE19276	XM00187	Quartz	Active	PLUTO	576	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138218	YE19277	NM00637	Quartz	Active	PLUTO	577	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32293717	YE19278	4126	Quartz	Active	PLUTO	578	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32138219	YE19279	NM00637	Quartz	Active	PLUTO	579	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00
32358714	YE19280	NM00590	Quartz	Active	PLUTO	580	Shawn Ryan - 100%	19/03/2011 0:00	25/03/2011 0:00	25/03/2012 0:00

APPENDIX B

See attached digital files on disk: 2011_Pluto_ALLGeochem.xlsx

APPENDIX C

Official assay certificates from Acme are attached



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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Client:

Ryan Gold Corp.

600 - 666 Burrard St.
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Submitted By: Ian Gendall

Receiving Lab: Canada-Whitehorse

Received: July 08, 2011

Report Date: July 27, 2011

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11000512.1

CLIENT JOB INFORMATION

Project: Kluane
Shipment ID: Kluane-004
P.O. Number
Number of Samples: 18

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Hua Jin

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	16	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01+3B04	18	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1DX1	18	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	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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Vancouver BC V6C 1H2 Canada

Project: Kluane
Report Date: July 27, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11000512.1

	Method	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
40101	Rock	2.42	28	6.2	56.0	12.7	21	0.2	1.8	2.6	219	1.19	7.1	15.3	37.4	11	0.2	0.5	0.5	11
40106	Rock	2.19	21	3.0	30.8	9.7	27	0.1	3.9	4.2	225	1.51	7.5	11.7	27.8	18	<0.1	1.2	0.3	25
40111	Rock	2.40	<2	0.4	4.9	12.6	24	0.1	1.6	1.9	278	0.92	5.9	1.5	36.4	31	0.3	0.3	0.3	6
40116	Rock	2.13	3	0.6	24.7	8.6	21	0.2	2.0	2.2	306	1.05	3.8	2.8	32.0	33	0.2	0.3	0.2	10
40102	Rock	2.72	152	9.0	258.1	14.6	32	0.5	3.0	4.0	272	1.49	6.3	210.0	31.5	17	0.2	0.6	2.5	19
40107	Rock	1.39	13	2.4	18.4	15.1	22	0.1	1.9	2.2	186	1.04	4.6	7.4	35.8	17	0.2	0.7	0.3	10
40112	Rock	1.97	10	0.5	9.7	7.8	14	0.4	1.6	1.4	297	0.80	6.6	8.3	32.4	30	0.2	0.2	0.5	5
40608	Rock Pulp	0.15	<2	1.5	28.1	6.3	46	<0.1	92.3	24.9	484	3.50	1.1	0.6	1.8	214	<0.1	<0.1	<0.1	59
40103	Rock	2.66	15	5.0	30.0	15.5	22	0.1	2.9	3.2	264	1.16	5.4	10.2	37.9	13	0.2	1.5	0.3	13
40108	Rock	1.26	56	3.4	105.6	13.0	39	0.3	2.0	3.4	206	1.16	7.3	63.7	30.0	14	0.4	0.8	0.5	12
40113	Rock	1.69	4	0.4	8.4	11.5	16	0.1	1.2	1.6	217	0.74	4.3	2.5	35.0	54	0.1	0.2	0.1	8
40611	Rock Pulp	0.15	1061	1.5	23.5	43.6	48	0.3	64.5	19.1	381	4.66	3.5	940.9	1.8	116	0.2	0.3	0.2	37
40104	Rock	2.73	20	2.9	44.4	17.4	28	0.2	1.5	2.1	180	1.09	6.8	12.0	32.2	14	0.2	0.8	0.3	11
40109	Rock	1.24	34	3.4	45.8	17.2	28	0.2	2.3	2.5	173	1.35	8.0	29.0	29.9	12	0.2	1.0	0.4	12
40114	Rock	2.43	<2	0.8	4.4	6.8	15	0.1	1.8	1.4	295	0.84	2.8	<0.5	31.9	41	0.1	0.2	0.1	8
40105	Rock	2.30	13	2.8	22.9	12.9	27	0.1	2.5	2.5	192	1.16	4.0	8.1	24.6	14	<0.1	0.6	0.3	16
40110	Rock	2.14	<2	0.4	3.1	9.9	16	0.1	1.3	1.6	214	0.85	3.8	<0.5	32.8	40	0.2	0.2	0.2	5
40115	Rock	2.23	<2	1.5	4.1	9.3	20	<0.1	2.6	2.5	305	1.03	2.5	<0.5	29.2	35	0.1	0.3	0.1	13



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Project:

Kluane

Report Date:

July 27, 2011

Page:

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Part 2

CERTIFICATE OF ANALYSIS

WHI11000512.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
40101	Rock	0.016	26	5	0.13	82	0.011	<20	0.48	0.048	0.16	0.5	0.02	1.3	<0.1	<0.05	2	<0.5
40106	Rock	0.025	22	8	0.26	207	0.051	<20	0.70	0.065	0.14	0.5	0.03	1.6	<0.1	<0.05	2	<0.5
40111	Rock	0.018	28	4	0.09	126	0.001	<20	0.36	0.058	0.16	<0.1	0.01	1.8	<0.1	<0.05	1	<0.5
40116	Rock	0.020	26	4	0.06	132	0.002	<20	0.31	0.059	0.17	0.3	0.02	1.7	<0.1	<0.05	<1	<0.5
40102	Rock	0.019	22	7	0.17	243	0.029	<20	0.57	0.053	0.17	0.7	0.02	1.5	<0.1	0.06	2	<0.5
40107	Rock	0.014	19	5	0.09	308	0.015	<20	0.40	0.052	0.14	0.9	0.01	0.9	<0.1	<0.05	2	<0.5
40112	Rock	0.017	24	4	0.04	118	<0.001	<20	0.28	0.058	0.14	<0.1	0.02	1.7	<0.1	<0.05	<1	<0.5
40608	Rock Pulp	0.121	13	60	1.70	56	0.459	<20	1.67	0.645	0.38	<0.1	<0.01	0.5	<0.1	<0.05	6	<0.5
40103	Rock	0.019	25	6	0.15	101	0.018	<20	0.55	0.055	0.14	0.5	0.02	1.5	<0.1	<0.05	2	<0.5
40108	Rock	0.014	24	6	0.15	140	0.014	<20	0.47	0.055	0.12	0.6	0.01	1.5	<0.1	0.07	2	<0.5
40113	Rock	0.018	26	4	0.06	122	0.003	<20	0.33	0.046	0.15	0.1	0.01	2.0	<0.1	<0.05	<1	<0.5
40611	Rock Pulp	0.084	9	48	1.25	63	0.285	<20	1.21	0.541	0.33	<0.1	0.01	0.7	0.5	2.70	4	0.8
40104	Rock	0.013	23	4	0.14	69	0.033	<20	0.49	0.057	0.15	1.9	<0.01	1.0	<0.1	<0.05	2	<0.5
40109	Rock	0.013	21	5	0.14	112	0.025	<20	0.50	0.057	0.13	1.0	0.02	1.3	<0.1	<0.05	2	<0.5
40114	Rock	0.018	27	4	0.06	120	0.002	<20	0.33	0.060	0.15	0.2	0.02	2.2	<0.1	<0.05	<1	<0.5
40105	Rock	0.017	22	6	0.17	141	0.032	<20	0.54	0.065	0.15	0.9	<0.01	1.4	<0.1	<0.05	2	<0.5
40110	Rock	0.015	27	2	0.07	202	0.002	<20	0.34	0.047	0.16	0.1	0.01	1.7	<0.1	<0.05	<1	<0.5
40115	Rock	0.019	25	5	0.15	148	0.011	<20	0.43	0.057	0.17	0.2	0.03	2.2	<0.1	<0.05	2	<0.5



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Part 1

QUALITY CONTROL REPORT

WHI11000512.1

	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																						
40111	Rock	2.40	<2	0.4	4.9	12.6	24	0.1	1.6	1.9	278	0.92	5.9	1.5	36.4	31	0.3	0.3	0.3	6	1.08	
REP 40111	QC	<2																				
40608	Rock Pulp	0.15	<2	1.5	28.1	6.3	46	<0.1	92.3	24.9	484	3.50	1.1	0.6	1.8	214	<0.1	<0.1	<0.1	59	0.66	
REP 40608	QC			1.6	28.8	6.3	47	<0.1	92.0	24.4	479	3.50	1.1	<0.5	1.9	224	<0.1	<0.1	<0.1	58	0.67	
Core Reject Duplicates																						
40112	Rock	1.97	10	0.5	9.7	7.8	14	0.4	1.6	1.4	297	0.80	6.6	8.3	32.4	30	0.2	0.2	0.5	5	1.16	
DUP 40112	QC			14	0.4	9.0	7.8	14	0.4	1.9	1.5	298	0.87	6.8	10.4	32.9	29	0.2	0.2	0.6	5	1.15
Reference Materials																						
STD DS8	Standard			14.6	108.1	140.9	313	2.0	39.4	8.1	686	2.67	28.7	112.2	6.9	66	2.8	4.5	6.7	45	0.74	
STD DS8	Standard			12.4	105.3	113.5	303	1.8	38.1	7.2	594	2.37	24.8	85.8	5.3	55	1.9	3.3	5.5	38	0.70	
STD OREAS45CA	Standard			1.0	542.2	22.1	77	0.3	272.5	98.7	998	17.21	4.9	43.1	7.5	17	0.1	<0.1	0.2	223	0.46	
STD OREAS45CA	Standard			0.8	505.1	21.1	61	0.3	258.0	92.4	930	15.89	4.2	37.8	6.0	13	<0.1	0.1	0.2	217	0.45	
STD OXC88	Standard	207																				
STD OXH82	Standard	1326																				
STD OXC88 Expected		203																				
STD OXH82 Expected		1278																				
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265	
BLK	Blank	<2																				
BLK	Blank	<2																				
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<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	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
Prep Wash																						
G1	Prep Blank			<2	<0.1	1.5	3.2	52	<0.1	3.9	4.6	610	2.18	0.6	<0.5	5.7	76	<0.1	<0.1	<0.1	41	0.65
G1	Prep Blank			<2	0.1	1.8	3.3	51	<0.1	3.9	4.8	648	2.27	0.6	1.0	5.7	68	<0.1	<0.1	<0.1	42	0.58



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Project:

Kluane

Report Date:

July 27, 2011

Page:

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Part 2

QUALITY CONTROL REPORT

WHI11000512.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																		
40111	Rock	0.018	28	4	0.09	126	0.001	<20	0.36	0.058	0.16	<0.1	0.01	1.8	<0.1	<0.05	1	<0.5
REP 40111	QC																	
40608	Rock Pulp	0.121	13	60	1.70	56	0.459	<20	1.67	0.645	0.38	<0.1	<0.01	0.5	<0.1	<0.05	6	<0.5
REP 40608	QC	0.119	13	62	1.70	56	0.470	<20	1.65	0.633	0.37	<0.1	<0.01	0.5	<0.1	<0.05	6	<0.5
Core Reject Duplicates																		
40112	Rock	0.017	24	4	0.04	118	<0.001	<20	0.28	0.058	0.14	<0.1	0.02	1.7	<0.1	<0.05	<1	<0.5
DUP 40112	QC	0.020	25	4	0.04	125	<0.001	<20	0.31	0.068	0.16	0.1	0.02	1.9	<0.1	<0.05	<1	<0.5
Reference Materials																		
STD DS8	Standard	0.094	14	129	0.65	302	0.116	<20	0.98	0.092	0.47	2.6	0.22	2.1	5.8	0.18	5	6.0
STD DS8	Standard	0.078	12	113	0.59	281	0.106	<20	0.91	0.084	0.41	2.5	0.18	2.0	5.1	0.15	4	5.2
STD OREAS45CA	Standard	0.044	17	858	0.15	180	0.141	<20	4.05	0.008	0.08	<0.1	0.04	38.7	<0.1	<0.05	21	0.9
STD OREAS45CA	Standard	0.039	16	786	0.12	168	0.136	<20	3.52	0.009	0.07	<0.1	0.05	36.3	<0.1	<0.05	18	0.8
STD OXC88	Standard																	
STD OXH82	Standard																	
STD OXC88 Expected																		
STD OXH82 Expected																		
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5
BLK	Blank																	
BLK	Blank																	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<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	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																		
G1	Prep Blank	0.091	12	7	0.67	247	0.143	<20	1.16	0.108	0.52	<0.1	<0.01	2.1	0.3	<0.05	6	<0.5
G1	Prep Blank	0.092	11	9	0.65	252	0.137	<20	1.15	0.107	0.56	<0.1	<0.01	2.1	0.4	<0.05	6	<0.5



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Submitted By: Ian Gendall
Receiving Lab: Canada-Whitehorse
Received: July 13, 2011
Report Date: July 29, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11000572.1

CLIENT JOB INFORMATION

Project: Kluane
Shipment ID: Kluane-007
P.O. Number
Number of Samples: 33

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Hua Jin

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	28	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01+3B04	32	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1DX1	32	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	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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Project:

Kluane

Report Date:

July 29, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000572.1

	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
40623	Rock Pulp	0.16	981	1.5	25.7	44.8	47	0.3	61.3	17.8	351	4.37	2.5	914.8	1.9	114	0.3	0.2	0.3	38
40613	Rock	2.33	<2	5.1	12.3	8.8	72	0.2	2.4	0.9	139	0.58	1.0	3.9	7.5	2	0.6	<0.1	0.6	3
40614	Rock	2.55	<2	92.5	6.4	11.3	89	0.2	0.7	0.2	68	0.80	0.6	4.3	21.2	2	0.5	<0.1	<0.1	<2
40615	Rock	2.36	<2	0.9	71.8	2.9	77	0.1	57.9	16.0	373	3.97	<0.5	2.6	2.0	13	<0.1	<0.1	0.1	156
40616	Rock	2.27	2	0.9	30.6	3.6	108	0.1	36.6	10.7	438	3.99	4.1	0.7	4.8	16	<0.1	<0.1	0.2	56
40617	Rock	2.23	3	0.7	52.2	4.6	106	<0.1	98.5	37.9	680	3.51	13.3	3.5	3.1	16	0.1	<0.1	0.1	71
40051	Rock	2.49	<2	1.2	5.6	14.1	66	0.1	2.4	1.7	274	1.49	0.8	6.0	8.7	13	0.2	0.1	0.4	5
40052	Rock	4.05	<2	0.2	7.6	19.3	67	0.2	6.3	5.1	405	1.75	0.6	2.7	5.7	40	0.3	0.2	0.4	11
41301	Rock	1.65	<2	2.7	8.3	9.3	75	0.4	1.6	7.4	371	3.26	<0.5	0.7	5.9	30	0.5	0.4	0.4	41
41303	Rock	1.23	4	2.6	1180	138.5	195	7.3	42.7	41.2	385	6.58	8.9	8.1	2.1	273	2.5	0.2	0.9	365
41911	Rock	2.32	2	11.1	14.8	9.5	40	0.8	24.8	0.5	40	0.50	56.6	2.8	1.0	3	0.1	9.1	<0.1	253
40619	Rock Pulp	0.15	<2	1.2	26.4	5.3	41	<0.1	81.4	20.9	406	2.99	<0.5	1.3	1.6	176	<0.1	<0.1	<0.1	53
41912	Rock	2.28	<2	0.5	8.2	2.0	55	0.4	12.6	0.8	100	0.57	2.5	1.7	1.9	5	0.8	0.2	<0.1	14
40604	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
40624	Rock Pulp	0.15	968	1.5	22.0	44.1	45	0.2	58.5	17.9	333	4.31	3.0	905.5	1.9	108	0.3	0.3	0.3	36
40117	Rock	1.58	8	15.0	57.3	8.0	31	1.2	7.7	3.7	32	0.90	27.3	5.3	2.5	13	0.2	4.9	0.2	84
40118	Rock	1.58	<2	1.4	3.9	35.3	79	0.3	1.8	0.9	73	0.90	2.3	0.8	9.2	<1	0.1	<0.1	0.5	<2
40119	Rock	1.42	<2	1.6	3.2	14.3	45	0.1	0.7	0.2	32	0.82	<0.5	2.1	13.0	2	0.1	<0.1	0.2	<2
40120	Rock	1.28	<2	0.6	33.9	6.0	62	0.3	33.0	16.7	125	3.43	1.0	1.6	11.3	235	0.1	<0.1	0.5	54
40088	Rock	2.50	9	1.2	38.8	8.0	58	0.4	165.6	34.1	398	3.00	839.4	7.8	7.2	85	0.3	2.8	1.0	75
40089	Rock	2.30	4	3.0	44.7	15.7	116	0.5	29.2	7.1	166	2.48	14.2	4.8	5.4	8	0.7	0.8	0.3	86
40620	Rock Pulp	0.14	<2	1.2	27.9	5.5	42	<0.1	84.8	21.4	407	3.03	<0.5	1.8	1.7	178	<0.1	<0.1	<0.1	54
41302	Rock	1.95	13	1.3	82.9	13.8	171	1.1	2.0	16.4	594	4.44	34.6	14.2	2.2	243	2.5	0.5	0.3	119
41304	Rock	1.97	18	1.0	106.2	16.0	240	4.1	37.9	10.9	330	3.08	284.9	20.1	5.1	47	5.3	3.7	0.4	70
40603	Rock	2.61	214	1.1	>10000	3.8	325	34.7	13.3	45.2	139	5.91	266.7	164.7	4.5	15	4.9	2.5	8.9	46
40751	Rock	2.35	14	0.2	111.4	16.1	27	1.4	49.8	26.6	137	3.59	10.5	16.3	0.6	461	0.3	0.2	0.3	46
40053	Rock	2.67	<2	1.1	31.1	13.6	101	<0.1	2.4	0.9	132	1.05	1.0	2.3	12.0	<1	0.1	<0.1	0.1	<2
40054	Rock	3.15	<2	0.9	3.9	12.2	73	<0.1	0.9	0.5	116	0.99	0.6	2.4	13.9	3	<0.1	<0.1	<0.1	<2
40055	Rock	2.44	<2	1.0	20.2	1.9	25	<0.1	6.7	2.0	105	1.37	1.6	3.4	4.1	6	<0.1	<0.1	0.1	39
40056	Rock	4.13	<2	0.7	25.1	1.7	27	<0.1	10.8	2.6	114	0.75	1.2	3.4	1.2	41	0.2	<0.1	<0.1	16



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Project:

Kluane

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July 29, 2011

Page:

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Part 2

CERTIFICATE OF ANALYSIS

WHI11000572.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
40623	Rock Pulp	0.080	10	47	1.28	62	0.295	<20	1.22	0.526	0.34	<0.1	<0.01	0.8	0.4	2.58	4	0.8
40613	Rock	0.006	12	10	0.01	11	0.002	<20	0.21	0.029	0.09	0.2	<0.01	0.4	<0.1	<0.05	1	<0.5
40614	Rock	<0.001	20	9	<0.01	16	0.007	<20	0.22	0.073	0.11	0.4	<0.01	0.2	<0.1	<0.05	2	<0.5
40615	Rock	0.086	7	97	1.08	505	0.270	<20	2.99	0.059	1.31	<0.1	<0.01	11.0	0.2	0.08	9	<0.5
40616	Rock	0.072	8	50	1.21	56	0.048	<20	2.08	0.019	0.17	<0.1	0.01	2.8	<0.1	<0.05	6	<0.5
40617	Rock	0.074	8	60	1.18	63	0.055	<20	1.99	0.034	0.22	<0.1	<0.01	3.8	<0.1	<0.05	7	<0.5
40051	Rock	0.022	39	7	0.12	55	0.005	<20	0.63	0.048	0.23	<0.1	<0.01	1.3	0.2	<0.05	5	<0.5
40052	Rock	0.050	28	9	0.41	195	0.018	<20	1.09	0.045	0.32	<0.1	<0.01	1.6	0.1	<0.05	5	<0.5
41301	Rock	0.177	18	5	0.43	66	0.211	<20	0.93	0.113	0.42	0.4	<0.01	2.5	0.4	1.17	6	4.5
41303	Rock	0.281	10	55	1.44	279	0.508	<20	6.97	0.483	1.59	3.3	<0.01	14.1	2.4	1.70	23	12.5
41911	Rock	0.011	6	20	0.01	89	0.005	<20	0.12	0.001	0.09	0.6	0.01	0.5	0.1	<0.05	<1	<0.5
40619	Rock Pulp	0.100	11	53	1.54	48	0.386	<20	1.48	0.545	0.32	<0.1	<0.01	0.4	<0.1	<0.05	5	<0.5
41912	Rock	0.013	5	18	0.13	93	0.053	<20	0.36	0.005	0.06	0.1	<0.01	0.6	<0.1	<0.05	1	<0.5
40604	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
40624	Rock Pulp	0.081	9	46	1.23	60	0.282	<20	1.17	0.506	0.31	<0.1	0.01	0.7	0.4	2.59	4	0.8
40117	Rock	0.427	11	26	0.12	282	0.005	<20	0.35	0.003	0.10	0.4	<0.01	0.6	<0.1	0.36	1	7.3
40118	Rock	0.002	23	6	<0.01	14	0.001	<20	0.23	0.058	0.11	<0.1	<0.01	0.2	<0.1	<0.05	2	<0.5
40119	Rock	0.002	12	5	<0.01	46	0.004	<20	0.22	0.057	0.13	0.3	<0.01	0.6	<0.1	<0.05	2	<0.5
40120	Rock	0.043	15	74	1.62	38	0.199	<20	3.94	0.306	1.34	0.2	<0.01	7.4	0.6	1.10	13	<0.5
40088	Rock	0.058	10	73	1.35	443	0.282	<20	3.74	0.182	0.95	0.4	<0.01	5.3	0.6	0.53	11	1.4
40089	Rock	0.081	13	31	0.67	294	0.057	<20	1.42	0.026	0.50	0.2	<0.01	3.0	0.3	0.42	5	1.2
40620	Rock Pulp	0.104	12	52	1.59	49	0.420	<20	1.50	0.557	0.32	<0.1	<0.01	0.5	<0.1	<0.05	5	<0.5
41302	Rock	0.248	12	2	1.20	178	0.219	<20	5.99	0.154	1.12	3.6	<0.01	5.3	1.5	1.61	15	4.7
41304	Rock	0.072	10	56	0.86	86	0.170	<20	3.55	0.061	0.69	0.9	<0.01	6.3	0.9	0.93	12	1.0
40603	Rock	0.042	6	54	0.38	23	0.013	<20	0.61	0.005	0.09	11.4	<0.01	2.7	<0.1	3.38	5	15.5
40751	Rock	0.219	8	18	0.28	14	0.346	<20	4.87	0.225	0.05	0.4	<0.01	1.3	<0.1	2.02	12	1.0
40053	Rock	0.001	11	3	0.01	28	0.023	<20	0.40	0.062	0.12	0.4	<0.01	0.3	<0.1	<0.05	4	<0.5
40054	Rock	0.004	21	4	0.02	38	0.008	<20	0.39	0.053	0.14	0.2	<0.01	0.5	<0.1	<0.05	4	<0.5
40055	Rock	0.032	10	34	0.31	114	0.036	<20	0.77	0.012	0.31	<0.1	<0.01	1.8	0.1	<0.05	3	<0.5
40056	Rock	0.055	4	16	0.05	20	0.025	<20	0.22	0.002	0.04	0.2	<0.01	0.5	<0.1	<0.05	<1	<0.5



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Project: Kluane
Report Date: July 29, 2011

Page: 3 of 3 **Part** 1

CERTIFICATE OF ANALYSIS

WHI11000572.1

	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
40057	Rock	3.48	<2	0.5	26.5	11.9	57	0.1	11.7	5.1	194	1.68	1.1	2.0	18.1	5	0.4	<0.1	0.2	22
40601	Rock	2.16	<2	0.8	6.6	16.6	46	0.1	2.0	1.3	305	0.84	0.5	1.7	6.0	23	0.2	0.2	0.3	<2
40602	Rock	2.95	<2	0.9	13.2	4.5	97	<0.1	6.4	10.2	754	3.64	2.1	1.8	1.9	37	<0.1	<0.1	<0.1	44



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Project: Kluane
Report Date: July 29, 2011

Page: 3 of 3 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11000572.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
40057	Rock	0.030	42	26	0.32	41	0.038	<20	0.97	0.029	0.35	0.1	<0.01	2.3	0.4	<0.05	4	<0.5
40601	Rock	0.019	29	3	0.11	116	0.002	<20	0.61	0.030	0.27	<0.1	<0.01	0.7	<0.1	<0.05	3	<0.5
40602	Rock	0.123	10	12	0.82	136	0.114	<20	1.97	0.055	0.16	<0.1	0.10	3.4	<0.1	0.20	6	<0.5



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Part 1

QUALITY CONTROL REPORT

WHI11000572.1

	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
40614	Rock	2.55	<2	92.5	6.4	11.3	89	0.2	0.7	0.2	68	0.80	0.6	4.3	21.2	2	0.5	<0.1	<0.1	<2	0.12
REP 40614	QC			78.4	6.6	11.6	90	0.2	0.6	0.2	70	0.80	0.7	2.2	22.4	2	0.6	<0.1	<0.1	<2	0.13
41911	Rock	2.32	2	11.1	14.8	9.5	40	0.8	24.8	0.5	40	0.50	56.6	2.8	1.0	3	0.1	9.1	<0.1	253	0.02
REP 41911	QC		2																		
40603	Rock	2.61	214	1.1	>10000	3.8	325	34.7	13.3	45.2	139	5.91	266.7	164.7	4.5	15	4.9	2.5	8.9	46	0.47
REP 40603	QC		209																		
Core Reject Duplicates																					
41303	Rock	1.23	4	2.6	1180	138.5	195	7.3	42.7	41.2	385	6.58	8.9	8.1	2.1	273	2.5	0.2	0.9	365	3.58
DUP 41303	QC		5	2.6	1171	133.1	175	7.0	37.1	37.4	351	6.29	8.9	5.8	1.8	266	2.2	0.2	0.9	348	3.45
Reference Materials																					
STD DS8	Standard			12.7	104.3	121.2	302	2.0	37.0	7.4	584	2.45	26.4	98.9	6.3	62	2.4	4.9	6.5	42	0.71
STD OREAS45CA	Standard			1.0	502.2	20.7	62	0.3	249.2	91.8	879	16.04	6.3	41.0	6.9	15	0.1	0.2	0.2	206	0.43
STD OXC88	Standard		192																		
STD OXC88	Standard		200																		
STD OXH82	Standard		1254																		
STD OXH82	Standard		1301																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
Prep Wash																					
G1	Prep Blank		<2	0.1	2.0	2.8	43	<0.1	3.2	4.1	520	1.80	<0.5	4.6	4.9	59	<0.1	<0.1	<0.1	36	0.48
G1	Prep Blank		<2	0.2	1.8	3.0	47	<0.1	3.7	4.2	543	1.89	<0.5	1.9	5.2	64	<0.1	<0.1	<0.1	36	0.49



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Kluane

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July 29, 2011

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Part 2

QUALITY CONTROL REPORT

WHI11000572.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																			
40614	Rock		<0.001	20	9	<0.01	16	0.007	<20	0.22	0.073	0.11	0.4	<0.01	0.2	<0.1	<0.05	2	<0.5
REP 40614	QC		<0.001	21	7	<0.01	17	0.007	<20	0.22	0.073	0.12	0.4	<0.01	0.2	<0.1	<0.05	2	<0.5
41911	Rock		0.011	6	20	0.01	89	0.005	<20	0.12	0.001	0.09	0.6	0.01	0.5	0.1	<0.05	<1	<0.5
REP 41911	QC																		
40603	Rock		0.042	6	54	0.38	23	0.013	<20	0.61	0.005	0.09	11.4	<0.01	2.7	<0.1	3.38	5	15.5
REP 40603	QC																		
Core Reject Duplicates																			
41303	Rock		0.281	10	55	1.44	279	0.508	<20	6.97	0.483	1.59	3.3	<0.01	14.1	2.4	1.70	23	12.5
DUP 41303	QC		0.271	8	48	1.36	253	0.461	<20	6.72	0.465	1.57	3.2	<0.01	13.3	2.4	1.66	21	14.1
Reference Materials																			
STD DS8	Standard		0.078	14	113	0.60	285	0.113	<20	0.90	0.082	0.41	2.5	0.18	1.8	4.8	0.16	5	4.8
STD OREAS45CA	Standard		0.039	16	727	0.13	166	0.135	<20	3.65	0.013	0.07	<0.1	0.03	35.4	<0.1	<0.05	19	0.9
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD DS8 Expected			0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23
STD OREAS45CA Expected			0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5
STD OXC88 Expected																			
STD OXH82 Expected																			
BLK	Blank																		
BLK	Blank																		
BLK	Blank		<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank																		
BLK	Blank																		
Prep Wash																			
G1	Prep Blank		0.075	9	8	0.55	217	0.122	<20	0.97	0.085	0.46	<0.1	<0.01	1.8	0.3	<0.05	5	<0.5
G1	Prep Blank		0.077	10	11	0.56	221	0.123	<20	0.96	0.078	0.47	<0.1	0.01	1.9	0.3	<0.05	5	<0.5



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Submitted By: Ian Gendall

Receiving Lab: Canada-Whitehorse

Received: July 13, 2011

Report Date: July 28, 2011

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CERTIFICATE OF ANALYSIS

WHI11000573.1

CLIENT JOB INFORMATION

Project: Rhyolite
Shipment ID: Kluane-005
P.O. Number
Number of Samples: 34

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Hua Jin

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	30	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01+3B04	34	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1DX1	34	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	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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Project:

Rhyolite

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July 28, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000573.1

	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
40621	Rock Pulp	0.16	954	1.5	21.8	35.9	45	0.3	58.7	16.9	330	4.34	2.8	900.3	1.6	107	0.2	0.2	0.3	35
40058	Rock	3.50	118	1.7	79.7	10.6	85	0.5	29.2	10.5	220	3.28	415.7	208.8	7.8	39	0.7	0.7	0.2	84
40059	Rock	4.74	88	1.2	142.2	43.5	441	1.0	35.3	9.5	178	3.22	388.7	133.4	7.4	36	2.3	0.7	0.6	79
40060	Rock	4.41	703	1.2	100.7	17.5	228	1.2	28.9	8.7	105	2.54	1270	571.9	5.2	28	2.4	1.2	2.4	51
40061	Rock	4.38	139	9.2	79.8	8.8	191	0.5	44.2	10.2	105	2.18	239.2	140.7	5.1	59	1.1	0.6	0.9	74
40062	Rock	4.45	77	3.6	72.4	138.1	229	0.8	37.8	10.1	234	2.17	209.2	75.7	9.3	65	1.3	0.4	1.4	80
40610	Rock Pulp	0.15	<2	1.5	26.7	4.8	43	<0.1	86.0	22.1	447	3.41	1.0	11.0	1.5	198	<0.1	<0.1	<0.1	58
40063	Rock	3.63	27	0.4	40.9	35.2	226	0.3	43.7	15.2	463	3.24	55.4	15.7	6.7	49	1.7	0.2	0.3	81
40064	Rock	4.35	11	0.7	64.4	4.2	130	0.3	63.9	19.0	164	2.36	76.7	14.2	5.7	28	1.3	0.3	0.3	74
40065	Rock	4.34	7	0.5	104.8	4.7	143	0.4	50.6	19.4	65	2.06	36.0	14.1	7.1	39	1.5	0.4	0.4	45
40066	Rock	5.27	6	0.4	100.1	3.8	101	0.4	39.6	16.6	57	1.97	23.6	7.0	7.1	26	0.9	0.2	0.3	39
40067	Rock	4.90	<2	0.3	51.0	29.8	155	0.3	67.2	20.3	244	2.51	13.5	4.3	4.1	36	1.3	0.3	0.3	48
40068	Rock	5.38	<2	0.4	38.9	4.5	70	0.5	38.4	11.5	106	1.76	11.5	3.8	6.6	27	0.8	0.3	0.1	46
40069	Rock	5.47	2	2.4	32.9	28.4	120	0.5	47.2	13.8	63	2.01	10.9	2.4	4.9	30	1.1	0.2	0.3	32
40618	Rock Pulp	0.15	<2	1.3	25.0	4.7	42	<0.1	80.6	20.4	395	3.02	<0.5	1.5	1.3	185	<0.1	<0.1	<0.1	53
40085	Rock	3.65	14	1.6	16.3	5.7	70	0.1	12.1	4.8	369	1.93	6.5	3.9	12.3	15	0.6	0.1	<0.1	19
40086	Rock	3.71	6	2.7	35.7	12.1	91	0.3	25.0	9.8	345	2.47	13.6	11.0	9.8	32	0.9	0.2	0.2	51
40087	Rock	4.16	13	1.0	31.6	4.9	83	0.2	23.9	7.4	220	2.32	16.9	13.4	8.5	35	0.7	0.1	0.2	43
40070	Rock	5.05	<2	0.8	29.0	7.2	44	0.3	36.8	12.0	53	1.85	11.0	3.7	5.3	36	0.5	0.2	0.2	40
40071	Rock	4.58	<2	0.8	34.0	6.1	49	0.2	31.6	13.9	55	2.14	15.5	2.0	6.1	36	0.5	0.1	0.1	46
40072	Rock	4.47	<2	0.7	52.6	3.8	31	0.3	29.6	14.4	45	2.27	10.1	2.4	6.7	29	0.6	0.2	0.2	46
40073	Rock	5.38	<2	2.0	64.4	2.9	22	0.3	42.4	15.5	47	2.60	11.8	2.3	5.4	32	0.2	0.1	0.2	51
40074	Rock	4.91	<2	3.5	47.7	27.7	63	0.4	26.4	10.8	121	2.05	7.3	1.8	7.5	33	0.2	0.2	0.6	44
40622	Rock Pulp	0.15	994	1.5	21.5	37.8	49	0.3	56.8	16.8	336	4.33	2.4	970.4	1.6	112	0.2	0.3	0.2	36
40080	Rock	4.49	62	1.2	65.1	12.4	92	0.4	35.1	14.1	239	2.71	776.6	52.6	6.2	31	1.0	0.8	0.6	79
40081	Rock	4.29	3	2.2	59.8	23.5	141	0.3	31.5	10.6	305	3.18	15.8	8.8	7.0	32	1.9	0.2	0.3	91
40082	Rock	5.69	3	1.0	27.6	7.6	86	0.2	18.7	6.2	528	2.98	13.2	5.5	8.9	28	0.5	0.2	0.1	50
40083	Rock	5.71	3	2.5	17.5	5.9	97	0.2	18.8	6.8	519	2.61	15.5	3.1	11.7	29	0.9	0.2	0.1	27
40084	Rock	3.66	5	1.6	20.1	11.7	67	0.2	11.4	5.1	239	1.71	7.9	3.4	10.2	22	0.5	0.1	0.1	25
40075	Rock	4.29	<2	1.7	46.4	2.9	58	0.2	32.8	12.9	45	1.90	13.4	1.5	5.9	31	0.3	0.2	0.1	35



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000573.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
40621	Rock Pulp	0.079	8	45	1.22	57	0.257	<20	1.14	0.505	0.31	<0.1	<0.01	0.4	0.5	2.61	4	0.8
40058	Rock	0.083	13	65	0.87	68	0.166	<20	2.05	0.134	0.42	1.1	<0.01	5.0	0.2	0.36	9	0.7
40059	Rock	0.054	10	83	0.82	97	0.140	<20	2.32	0.157	0.58	0.4	0.02	6.5	0.3	0.90	10	1.0
40060	Rock	0.045	7	54	0.69	71	0.131	<20	1.50	0.095	0.33	0.4	<0.01	3.2	0.2	0.65	7	1.2
40061	Rock	0.129	12	65	0.62	109	0.119	<20	1.75	0.158	0.27	0.4	<0.01	2.0	0.2	0.47	7	0.9
40062	Rock	0.121	13	39	0.49	74	0.095	<20	1.70	0.164	0.16	0.4	<0.01	2.2	<0.1	0.39	6	1.5
40610	Rock Pulp	0.110	11	60	1.60	53	0.440	<20	1.46	0.558	0.34	<0.1	<0.01	<0.1	<0.1	<0.05	6	<0.5
40063	Rock	0.066	13	108	1.48	125	0.189	<20	2.22	0.129	0.52	0.3	0.01	5.3	0.3	0.17	8	<0.5
40064	Rock	0.081	9	130	1.06	114	0.164	<20	1.34	0.093	0.54	0.3	<0.01	2.1	0.3	0.36	5	0.7
40065	Rock	0.095	11	64	0.59	54	0.134	<20	0.87	0.101	0.23	0.3	<0.01	1.1	0.2	0.63	3	1.3
40066	Rock	0.095	11	44	0.53	36	0.109	<20	0.80	0.091	0.15	0.3	<0.01	0.8	<0.1	0.59	3	0.9
40067	Rock	0.122	11	121	1.36	48	0.156	<20	1.37	0.084	0.12	0.2	<0.01	1.6	<0.1	0.36	5	<0.5
40068	Rock	0.103	12	75	0.83	57	0.147	<20	0.96	0.080	0.23	0.3	<0.01	1.1	<0.1	0.19	4	0.6
40069	Rock	0.105	11	41	0.45	42	0.109	<20	0.69	0.093	0.17	0.4	0.01	0.6	<0.1	0.76	3	1.3
40618	Rock Pulp	0.101	11	52	1.57	48	0.407	<20	1.46	0.558	0.33	<0.1	<0.01	0.1	<0.1	<0.05	5	<0.5
40085	Rock	0.041	57	21	0.24	70	0.069	<20	0.70	0.079	0.24	0.2	<0.01	2.5	0.1	0.10	3	0.5
40086	Rock	0.081	24	54	0.67	147	0.109	<20	1.04	0.081	0.19	0.3	<0.01	2.3	<0.1	0.32	5	0.8
40087	Rock	0.061	16	48	0.72	71	0.099	<20	1.25	0.080	0.20	0.2	<0.01	2.6	<0.1	0.18	5	0.5
40070	Rock	0.104	11	52	0.56	61	0.127	<20	0.82	0.093	0.19	0.3	<0.01	0.7	<0.1	0.53	3	1.0
40071	Rock	0.101	13	49	0.57	58	0.121	<20	0.83	0.100	0.18	0.2	<0.01	1.1	<0.1	0.59	3	0.8
40072	Rock	0.094	13	41	0.61	55	0.110	<20	0.81	0.085	0.20	0.2	<0.01	1.1	<0.1	0.73	3	0.7
40073	Rock	0.103	11	61	0.65	78	0.144	<20	0.90	0.101	0.29	0.2	<0.01	1.0	0.1	0.88	4	0.6
40074	Rock	0.092	12	39	0.51	73	0.124	<20	0.82	0.101	0.23	0.3	<0.01	1.3	<0.1	0.51	3	0.6
40622	Rock Pulp	0.078	8	45	1.25	60	0.260	<20	1.17	0.517	0.33	<0.1	<0.01	0.4	0.5	2.63	4	0.6
40080	Rock	0.073	11	92	0.89	197	0.147	<20	1.46	0.084	0.53	0.3	<0.01	2.7	0.2	0.40	6	0.9
40081	Rock	0.069	11	69	0.81	260	0.148	<20	1.40	0.071	0.54	0.3	<0.01	3.9	0.3	0.26	6	<0.5
40082	Rock	0.052	34	65	0.67	104	0.131	<20	1.17	0.084	0.45	0.3	<0.01	3.2	0.2	0.11	5	<0.5
40083	Rock	0.043	58	33	0.48	85	0.098	<20	1.11	0.091	0.36	0.3	<0.01	2.6	0.2	0.15	5	<0.5
40084	Rock	0.054	32	25	0.28	81	0.080	<20	0.73	0.077	0.20	0.2	<0.01	2.5	<0.1	0.17	4	0.6
40075	Rock	0.086	11	37	0.43	58	0.107	<20	0.68	0.084	0.19	0.2	<0.01	0.7	<0.1	0.63	3	0.8



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Project: Rhyolite
Report Date: July 28, 2011

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CERTIFICATE OF ANALYSIS

WHI11000573.1

	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
40076	Rock	4.36	<2	3.0	41.8	4.7	76	0.2	44.2	12.8	98	2.08	9.3	<0.5	5.3	40	3.6	0.2	0.2	55
40077	Rock	4.01	<2	1.1	45.0	3.9	33	0.2	27.3	9.5	63	2.30	11.1	2.1	6.6	35	0.2	0.2	0.2	47
40078	Rock	4.98	4	0.6	43.8	3.4	109	0.3	41.0	14.0	270	2.91	12.4	3.0	5.0	50	1.1	0.2	0.2	86
40079	Rock	4.41	6	0.9	50.9	3.5	95	0.2	48.0	15.2	182	2.60	11.0	7.8	6.5	46	1.0	0.1	0.2	80



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Project: Rhyolite
Report Date: July 28, 2011

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CERTIFICATE OF ANALYSIS

WHI11000573.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
40076	Rock	0.105	11	88	0.85	115	0.163	<20	1.14	0.115	0.38	0.2	<0.01	1.2	0.2	0.39	4	0.7
40077	Rock	0.083	11	60	0.58	75	0.117	<20	0.91	0.082	0.26	0.2	<0.01	1.0	0.1	0.39	4	1.0
40078	Rock	0.088	12	122	1.31	184	0.196	<20	1.76	0.136	0.61	0.3	<0.01	4.6	0.3	0.36	7	<0.5
40079	Rock	0.094	11	111	1.08	178	0.186	<20	1.44	0.119	0.55	0.2	<0.01	3.2	0.2	0.41	6	1.3



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Rhyolite

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Part 1

QUALITY CONTROL REPORT

WHI11000573.1

	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
REP G1	QC		<2																		
40062	Rock	4.45	77	3.6	72.4	138.1	229	0.8	37.8	10.1	234	2.17	209.2	75.7	9.3	65	1.3	0.4	1.4	80	1.04
REP 40062	QC			3.7	68.6	138.7	216	0.8	36.5	9.6	232	2.11	199.1	68.1	9.1	64	1.2	0.4	1.4	78	1.02
REP 40075	QC		<2																		
Core Reject Duplicates																					
40075	Rock	4.29	<2	1.7	46.4	2.9	58	0.2	32.8	12.9	45	1.90	13.4	1.5	5.9	31	0.3	0.2	0.1	35	0.41
DUP 40075	QC		<2	1.4	47.6	2.8	51	0.3	33.2	13.5	42	1.94	12.3	1.7	6.1	31	0.3	0.1	0.1	35	0.40
Reference Materials																					
STD DS8	Standard			11.9	100.9	120.1	296	1.8	36.5	7.4	596	2.47	26.0	92.5	5.8	56	2.0	3.8	5.1	42	0.70
STD DS8	Standard			12.1	107.4	124.0	301	1.7	36.7	7.3	599	2.38	25.7	97.3	6.2	57	2.1	4.6	5.9	40	0.67
STD OREAS45CA	Standard			1.0	513.2	17.2	64	0.3	248.8	91.7	911	16.45	4.1	45.3	6.2	14	<0.1	<0.1	0.2	210	0.43
STD OREAS45CA	Standard			1.1	493.1	21.2	60	0.3	251.2	95.4	960	15.64	4.7	46.2	7.1	15	0.1	0.2	0.1	214	0.42
STD OXC88	Standard		195																		
STD OXC88	Standard		212																		
STD OXH82	Standard		1365																		
STD OXH82	Standard		1352																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<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	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
Prep Wash																					
G1	Prep Blank			0.1	1.8	2.1	45	<0.1	3.3	3.9	527	1.91	<0.5	2.7	3.7	48	<0.1	<0.1	<0.1	37	0.45



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Project: Rhyolite
Report Date: July 28, 2011

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QUALITY CONTROL REPORT

WHI11000573.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	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
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
REP G1	QC																		
40062	Rock	0.121	13	39	0.49	74	0.095	<20	1.70	0.164	0.16	0.4	<0.01	2.2	<0.1	0.39	6	1.5	0.3
REP 40062	QC	0.116	14	38	0.48	77	0.095	<20	1.66	0.161	0.15	0.4	<0.01	2.1	<0.1	0.38	6	1.2	0.2
REP 40075	QC																		
Core Reject Duplicates																			
40075	Rock	0.086	11	37	0.43	58	0.107	<20	0.68	0.084	0.19	0.2	<0.01	0.7	<0.1	0.63	3	0.8	0.2
DUP 40075	QC	0.087	12	35	0.43	55	0.103	<20	0.66	0.081	0.18	0.2	<0.01	0.7	<0.1	0.66	3	0.9	<0.2
Reference Materials																			
STD DS8	Standard	0.074	12	118	0.57	284	0.096	<20	0.86	0.084	0.41	2.5	0.21	1.6	5.3	0.17	4	5.7	4.8
STD DS8	Standard	0.076	11	108	0.59	259	0.097	<20	0.85	0.075	0.37	2.9	0.21	1.8	5.2	0.17	4	5.9	4.0
STD OREAS45CA	Standard	0.037	15	798	0.13	175	0.110	<20	3.62	0.013	0.07	<0.1	0.03	32.3	<0.1	<0.05	19	<0.5	<0.2
STD OREAS45CA	Standard	0.041	15	652	0.13	164	0.120	<20	3.48	0.010	0.07	<0.1	0.03	35.6	<0.1	<0.05	19	1.0	<0.2
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5.0
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
STD OXC88 Expected																			
STD OXH82 Expected																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
Prep Wash																			
G1	Prep Blank	0.080	7	7	0.54	207	0.106	<20	0.91	0.066	0.47	<0.1	<0.01	1.4	0.3	<0.05	5	<0.5	<0.2



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Project:

Rhyolite

Report Date:

July 28, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11000573.1

		WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
G1	Prep Blank		<2	<0.1	2.1	3.2	46	<0.1	3.0	4.1	557	1.94	<0.5	2.1	4.2	49	<0.1	0.4	<0.1	36	0.46
G1	Prep Blank		<2																		



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Part 2

QUALITY CONTROL REPORT

WHI11000573.1

		1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Tl ppm	1DX S %	1DX Ga ppm	1DX Se ppm	1DX Te ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
G1	Prep Blank	0.073	9	7	0.54	189	0.109	<20	0.94	0.077	0.46	<0.1	<0.01	1.5	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank																		



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Submitted By: Jean Pautler
Receiving Lab: Canada-Whitehorse
Received: July 13, 2011
Report Date: August 11, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11000577.1

CLIENT JOB INFORMATION

Project: Kluane
Shipment ID:
P.O. Number
Number of Samples: 26

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
STOR-RJT Store After 90 days Invoice for Storage

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	26	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1DX3	26	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
3B01	26	Fire assay fusion Au by ICP-ES	30	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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Project:

Kluane

Report Date:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000577.1

	Method Analyte Unit MDL	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
40651	Rock	3.35	0.2	3.1	1.7	6	<0.1	10.7	2.0	178	0.53	2.3	2.2	0.2	25	<0.1	<0.1	<0.1	4	0.45	0.016
40652	Rock	1.81	0.4	18.0	3.3	36	<0.1	11.8	3.3	175	1.55	236.0	13.7	1.2	13	<0.1	0.2	<0.1	26	0.15	0.068
40653	Rock	3.18	0.2	2.3	0.7	3	<0.1	5.0	1.1	71	0.40	4.3	1.8	<0.1	42	<0.1	<0.1	<0.1	<2	0.68	0.001
40654	Rock	1.58	0.3	92.7	1.1	2	0.3	1.9	2.1	71	0.95	12.7	10.1	<0.1	12	<0.1	0.2	<0.1	6	0.12	0.002
40655	Rock	2.88	0.2	1.3	0.9	12	<0.1	22.9	3.1	110	0.82	5.4	1.5	<0.1	48	<0.1	<0.1	<0.1	11	0.83	0.018
40656	Rock	1.25	0.8	146.5	0.8	44	0.2	101.9	38.2	479	3.75	2.4	1.9	0.5	18	<0.1	0.2	<0.1	51	1.26	0.177
40657	Rock	1.80	0.2	1.5	0.2	<1	<0.1	1.4	0.3	35	0.38	9.5	1.7	<0.1	<1	<0.1	<0.1	<0.1	<2	0.01	0.001
40658	Rock	1.71	2.1	573.7	6.0	22	4.3	61.3	37.1	163	6.10	236.8	292.4	1.9	65	0.6	6.7	78.3	99	1.54	0.083
40659	Rock	2.64	0.5	73.6	14.1	101	0.2	162.8	49.7	1253	2.62	6.5	7.1	7.5	70	0.7	0.2	0.3	26	1.09	0.035
40660	Rock	2.58	3.3	178.9	5359	628	29.7	5.0	6.8	997	14.00	156.1	26.0	3.9	20	1.3	13.6	4.7	163	0.34	0.114
40661	Rock	0.71	0.6	19.7	36.2	34	1.5	6.6	3.1	120	0.90	11.1	1.2	2.9	4	0.2	0.5	1.9	3	0.04	0.005
40663	Rock	2.59	0.8	109.6	34.1	3290	1.0	19.1	11.1	1133	5.24	2.9	4.8	3.1	67	33.0	0.7	0.8	18	2.37	0.105
40664	Rock	1.55	0.5	461.6	8.6	34	1.6	99.2	34.9	329	10.32	1.3	4.2	2.0	14	0.6	0.4	10.3	33	0.80	0.068
41952	Rock	0.87	2.6	489.7	18.7	40	3.0	12.7	4.7	110	2.07	16.0	126.3	7.6	143	0.5	0.9	5.2	34	1.81	0.077
41953	Rock	1.19	0.8	32.8	4.9	17	0.1	5.2	1.6	90	0.87	2.4	1.7	5.1	21	0.2	0.4	<0.1	9	0.42	0.020
41954	Rock	0.47	4.8	1008	15.5	115	12.8	2.1	1.1	83	11.38	25.1	291.5	2.5	21	0.3	0.6	242.2	29	0.05	0.027
41955	Rock	0.52	3.3	39.0	14.1	46	0.5	2.9	5.5	130	2.51	12.2	0.9	6.8	55	0.4	0.4	0.7	38	0.46	0.086
41956	Rock	0.59	1.4	183.2	20.9	43	0.6	8.5	3.1	77	0.76	9.6	4.2	7.6	246	0.5	0.4	1.3	19	1.98	0.085
41957	Rock	1.59	1.0	112.8	0.6	6	0.5	16.5	3.7	40	1.05	23.6	1.1	0.3	<1	<0.1	0.3	<0.1	3	0.02	0.001
41958	Rock	1.83	5.4	163.9	150.7	3609	5.8	7.1	1.5	84	2.85	1286	2523	5.9	8	53.6	4.3	12.9	54	0.37	0.180
41959	Rock	1.00	2.2	145.5	101.6	92	4.7	18.8	9.0	51	2.61	4754	2459	5.7	12	2.4	10.3	11.9	26	0.19	0.083
41960	Rock	1.64	1.4	32.0	4.4	28	0.2	15.2	5.5	115	2.26	18.5	17.1	6.9	46	0.4	0.3	0.4	59	0.50	0.109
41961	Rock	0.64	0.6	91.1	16.1	75	0.5	37.4	26.2	105	2.78	1840	190.3	9.2	19	1.4	0.8	0.6	40	0.24	0.060
41962	Rock	1.61	1.3	>10000	8.0	1467	73.2	53.9	155.1	140	18.58	265.6	363.4	2.0	2	15.5	3.1	10.4	26	0.12	0.022
41963	Rock	1.41	0.7	7141	4.9	85	34.7	1.3	3.8	76	4.43	59.9	609.0	2.7	5	0.8	2.9	9.8	37	0.14	0.041
41964	Rock	0.43	0.8	5653	1.7	74	22.7	1.6	4.9	50	3.49	1008	74.7	2.2	3	0.9	2.5	1.8	15	0.03	0.021



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Kluane

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Part 2

CERTIFICATE OF ANALYSIS

WHI11000577.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	3B
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	Au
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
		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	2
40651	Rock	<1	16	0.16	5	0.016	<1	0.18	0.009	<0.01	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2	<2
40652	Rock	3	32	0.40	19	0.007	<1	0.72	0.016	0.04	<0.1	<0.01	1.9	<0.1	<0.05	2	<0.5	<0.2	18
40653	Rock	<1	9	0.03	1	<0.001	<1	0.04	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	<2
40654	Rock	<1	14	0.02	18	0.002	<1	0.23	0.062	0.02	<0.1	<0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2	9
40655	Rock	<1	57	0.34	8	0.016	<1	0.45	0.017	0.02	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2	<2
40656	Rock	3	70	1.18	3	0.236	<1	1.56	0.077	0.02	0.1	<0.01	4.2	<0.1	0.59	4	1.3	<0.2	<2
40657	Rock	<1	7	<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	<2
40658	Rock	7	31	0.60	36	0.309	3	2.56	0.094	0.25	3.3	<0.01	4.8	0.4	3.78	9	8.1	3.8	290
40659	Rock	21	28	0.64	27	0.019	2	1.24	0.054	0.05	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2	14
40660	Rock	6	8	1.03	128	0.081	2	1.40	0.023	0.11	1.2	0.14	3.7	0.1	1.09	9	13.9	1.5	30
40661	Rock	7	3	0.11	57	0.002	1	0.33	0.023	0.12	<0.1	<0.01	0.4	<0.1	<0.05	1	0.8	<0.2	2
40663	Rock	10	13	0.42	21	0.115	2	2.53	0.133	0.03	0.5	0.03	1.8	<0.1	2.43	7	4.8	0.4	11
40664	Rock	7	112	0.88	25	0.143	<1	1.46	0.063	0.08	0.3	<0.01	2.8	<0.1	7.02	6	13.5	6.3	<2
41952	Rock	20	21	0.38	40	0.117	1	2.80	0.190	0.14	1.0	0.01	2.6	<0.1	0.18	9	1.5	2.9	104
41953	Rock	13	10	0.09	37	0.062	<1	0.43	0.040	0.08	0.5	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2	<2
41954	Rock	5	7	0.05	42	0.028	<1	0.37	0.074	0.12	1.4	0.01	0.9	<0.1	0.39	3	24.3	130.0	328
41955	Rock	23	<1	0.40	309	0.177	<1	1.07	0.120	0.35	0.3	<0.01	2.8	0.2	0.46	6	0.7	0.4	6
41956	Rock	18	7	0.17	72	0.078	<1	3.29	0.496	0.11	0.3	<0.01	1.3	<0.1	<0.05	8	1.3	0.6	7
41957	Rock	<1	5	0.02	3	0.002	<1	0.06	0.003	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	0.7	<0.2	3
41958	Rock	12	36	0.22	43	0.021	<1	0.82	0.033	0.30	0.4	0.03	3.1	0.1	0.90	8	4.9	0.6	2722
41959	Rock	10	23	0.18	41	0.028	<1	0.59	0.030	0.23	0.3	<0.01	2.4	<0.1	0.90	4	3.0	0.6	2554
41960	Rock	15	50	0.68	103	0.195	1	1.02	0.118	0.35	0.2	<0.01	2.5	0.1	0.35	4	0.9	0.3	12
41961	Rock	15	43	0.43	37	0.076	1	0.98	0.058	0.22	0.4	<0.01	4.0	0.2	0.80	5	1.1	0.4	172
41962	Rock	2	28	0.20	10	0.003	<1	0.45	0.003	0.07	0.9	<0.01	1.7	<0.1	9.39	4	39.9	13.1	369
41963	Rock	2	26	0.15	41	0.036	<1	0.32	0.003	0.11	10.9	<0.01	2.2	<0.1	1.03	5	15.9	7.1	539
41964	Rock	<1	12	0.07	22	0.004	<1	0.21	0.003	0.08	0.2	<0.01	1.0	<0.1	1.42	3	11.4	2.8	48



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August 11, 2011

Page:

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Part 1

QUALITY CONTROL REPORT

WHI11000577.1

	Method Analyte Unit MDL	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
40661	Rock	0.71	0.6	19.7	36.2	34	1.5	6.6	3.1	120	0.90	11.1	1.2	2.9	4	0.2	0.5	1.9	3	0.04	0.005
REP 40661	QC																				
41961	Rock	0.64	0.6	91.1	16.1	75	0.5	37.4	26.2	105	2.78	1840	190.3	9.2	19	1.4	0.8	0.6	40	0.24	0.060
REP 41961	QC		0.6	92.6	16.2	75	0.5	36.7	25.9	106	2.81	1846	190.1	9.5	20	1.7	0.8	0.6	41	0.24	0.060
Core Reject Duplicates																					
40659	Rock	2.64	0.5	73.6	14.1	101	0.2	162.8	49.7	1253	2.62	6.5	7.1	7.5	70	0.7	0.2	0.3	26	1.09	0.035
DUP 40659	QC		0.3	69.3	12.6	93	0.2	153.0	46.1	1204	2.53	5.8	3.0	7.4	67	0.7	0.1	0.5	26	1.06	0.036
Reference Materials																					
STD DS8	Standard		12.0	108.4	108.0	297	1.8	34.9	6.8	570	2.37	24.5	109.6	6.0	58	2.1	4.6	5.8	38	0.66	0.070
STD DS8	Standard		13.1	108.9	124.5	305	1.7	38.9	7.9	621	2.50	27.1	111.1	6.9	64	2.5	5.3	6.8	42	0.73	0.085
STD DS8	Standard		13.7	108.8	123.0	305	1.8	38.8	8.1	627	2.54	28.2	121.1	7.1	66	2.4	5.6	6.7	41	0.73	0.083
STD DS8	Standard		13.1	109.6	122.8	308	1.8	37.9	7.3	614	2.52	27.8	108.0	6.3	63	2.2	5.4	6.7	40	0.67	0.079
STD OXC88	Standard																				
STD OXC88	Standard																				
STD OXC88	Standard																				
STD OXH82	Standard																				
STD OXH82	Standard																				
STD OXC88 Expected																					
STD OXH82 Expected																					
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.1	0.9	<0.1	<1	<0.1	<0.1	<0.1	<1	0.03	<0.5	<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	1.6	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank																				
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Part 2

QUALITY CONTROL REPORT

WHI11000577.1

Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	3B
	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	Au
	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
	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	2
Pulp Duplicates																		
40661 Rock	7	3	0.11	57	0.002	1	0.33	0.023	0.12	<0.1	<0.01	0.4	<0.1	<0.05	1	0.8	<0.2	2
REP 40661 QC																		4
41961 Rock	15	43	0.43	37	0.076	1	0.98	0.058	0.22	0.4	<0.01	4.0	0.2	0.80	5	1.1	0.4	172
REP 41961 QC	16	44	0.43	39	0.079	1	0.98	0.059	0.22	0.3	<0.01	4.2	0.1	0.77	5	0.9	0.3	
Core Reject Duplicates																		
40659 Rock	21	28	0.64	27	0.019	2	1.24	0.054	0.05	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2	14
DUP 40659 QC	19	26	0.62	26	0.018	2	1.18	0.055	0.05	<0.1	0.02	2.3	<0.1	<0.05	3	0.6	<0.2	7
Reference Materials																		
STD DS8 Standard	14	104	0.58	268	0.103	2	0.89	0.084	0.39	2.8	0.22	2.0	5.0	0.15	5	6.0	4.5	
STD DS8 Standard	15	119	0.64	279	0.121	3	0.95	0.091	0.41	3.0	0.21	2.0	5.7	0.17	5	5.2	4.9	
STD DS8 Standard	15	121	0.64	281	0.120	4	0.97	0.092	0.42	3.1	0.21	2.3	5.6	0.16	5	5.1	5.0	
STD DS8 Standard	14	117	0.61	258	0.118	3	0.90	0.083	0.41	2.9	0.21	2.2	5.4	0.16	4	5.4	5.3	
STD OXC88 Standard																		196
STD OXC88 Standard																		204
STD OXC88 Standard																		197
STD OXH82 Standard																		1303
STD OXH82 Standard																		1299
STD OXC88 Expected																		203
STD OXH82 Expected																		1278
STD DS8 Expected	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5	
BLK Blank																		<2
BLK Blank																		<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																		<2
BLK Blank																		<2
BLK Blank																		<2
BLK Blank																		<2



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Part 1

QUALITY CONTROL REPORT

WHI11000577.1

		WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank		<0.1	12.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																					
G1	Prep Blank		0.2	1.7	3.2	44	<0.1	3.7	4.3	553	1.93	<0.5	<0.5	6.1	67	<0.1	<0.1	<0.1	36	0.58	0.076
G1	Prep Blank		0.1	1.7	3.0	46	<0.1	3.9	4.3	559	1.91	0.5	0.9	5.5	61	<0.1	<0.1	<0.1	36	0.58	0.075



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Part 2

QUALITY CONTROL REPORT

WHI11000577.1

		1DX30 La ppm 1	1DX30 Cr ppm 1	1DX30 Mg % 0.01	1DX30 Ba ppm 1	1DX30 Ti % 0.001	1DX30 B ppm 1	1DX30 Al % 0.01	1DX30 Na % 0.001	1DX30 K % 0.01	1DX30 W ppm 0.1	1DX30 Hg ppm 0.01	1DX30 Sc ppm 0.1	1DX30 Ti ppm 0.1	1DX30 S % 0.05	1DX30 Ga ppm 1	1DX30 Se ppm 0.5	1DX30 Te ppm 0.2	3B Au ppb 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	
Prep Wash																			
G1	Prep Blank	12	9	0.57	218	0.136	2	1.12	0.122	0.50	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2	<2
G1	Prep Blank	10	15	0.62	231	0.127	<1	1.03	0.085	0.48	<0.1	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2	<2



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Submitted By: Ian Gendall
Receiving Lab: Canada-Whitehorse
Received: July 19, 2011
Report Date: August 03, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11000654.1

CLIENT JOB INFORMATION

Project: Rhyolite
Shipment ID: Kluane-008
P.O. Number
Number of Samples: 35

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Hua Jin

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	31	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01+3B04	35	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1DX1	35	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	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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Project:

Rhyolite

Report Date:

August 03, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000654.1

	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
40091	Rock	2.61	<2	1.0	76.0	9.1	63	0.2	22.9	6.3	289	2.68	25.3	4.5	6.4	33	0.4	0.2	0.2	67
41352	Rock Pulp	0.15	<2	1.3	24.6	5.4	43	<0.1	80.2	20.4	433	3.16	0.5	0.8	1.5	194	<0.1	<0.1	<0.1	55
40092	Rock	3.17	769	0.6	186.5	6.4	65	0.3	13.5	5.0	284	3.63	40.4	856.0	10.1	34	0.4	0.1	1.7	68
40093	Rock	3.58	496	2.4	153.5	5.8	65	0.1	9.0	1.9	98	1.54	59.7	455.2	12.0	9	0.3	<0.1	4.1	32
40094	Rock	3.57	3	1.2	159.7	7.9	98	<0.1	6.1	1.8	116	1.09	10.4	63.4	13.9	7	0.3	<0.1	<0.1	4
40095	Rock	2.72	<2	0.9	124.7	6.7	47	0.1	1.6	0.8	51	0.91	13.9	2.0	10.2	3	0.2	<0.1	0.2	<2
40096	Rock	2.64	<2	0.7	174.5	8.8	94	<0.1	3.1	1.7	105	1.11	5.5	28.1	11.0	8	0.2	<0.1	0.1	6
40640	Rock	2.83	<2	1.3	68.1	8.1	97	0.1	5.7	12.7	486	3.54	15.4	18.1	4.0	76	0.4	0.2	0.1	60
40641	Rock	2.50	6	1.2	824.2	14.0	112	2.0	67.6	11.8	479	3.13	36.0	5.8	7.0	45	1.1	0.2	0.4	66
40097	Rock	2.88	2	0.8	137.5	6.6	61	<0.1	6.7	4.0	180	2.00	6.7	8.5	9.5	18	0.2	<0.1	0.5	29
40098	Rock	2.65	8	2.4	589.7	6.9	135	0.1	18.6	9.3	177	2.37	9.6	7.6	5.4	69	0.8	<0.1	0.6	50
40630	Rock	2.90	11	2.5	234.2	8.9	79	0.9	13.4	6.0	247	2.59	23.7	16.1	6.0	48	0.8	0.4	0.5	62
41356	Rock Pulp	0.16	963	1.5	23.7	39.8	47	0.3	59.9	18.0	356	4.49	3.3	949.4	1.7	104	0.2	0.2	0.3	37
40631	Rock	2.93	<2	1.5	92.9	11.5	49	0.2	4.6	2.7	167	1.68	33.4	1.2	7.9	24	0.4	0.2	0.3	20
40632	Rock	2.63	<2	0.8	126.7	13.7	37	0.2	1.4	1.2	53	1.10	53.4	0.7	9.3	9	0.2	0.2	0.5	5
40633	Rock	2.80	<2	0.7	333.0	19.6	102	0.2	2.9	3.2	114	0.85	12.8	1.2	14.8	7	0.5	0.1	0.3	3
40099	Rock	2.85	6	0.9	276.0	8.3	70	0.2	14.9	8.0	192	2.39	6.2	4.3	7.3	89	0.5	<0.1	0.4	47
41353	Rock Pulp	0.15	<2	1.2	24.4	5.4	43	<0.1	77.8	20.5	438	3.14	0.8	6.3	1.5	197	<0.1	<0.1	<0.1	55
40100	Rock	2.96	12	1.1	316.4	6.4	125	0.3	22.9	13.0	289	3.17	8.4	12.1	5.5	51	0.9	0.1	0.8	59
40634	Rock	2.60	<2	1.2	129.5	14.7	44	0.3	1.6	1.3	82	1.07	29.4	1.2	12.4	7	0.3	0.1	0.4	3
40635	Rock	2.54	368	0.8	105.0	31.0	52	1.6	7.8	3.7	165	1.58	20.4	248.6	12.5	10	0.5	0.1	88.5	20
40636	Rock	2.89	5	1.5	141.8	34.6	89	0.8	6.2	4.8	216	1.58	37.8	6.4	10.0	41	1.0	0.2	2.8	29
40637	Rock	2.72	3	1.2	694.3	27.2	98	1.5	14.7	6.8	278	1.51	14.5	4.1	8.2	37	1.3	0.2	1.1	42
40638	Rock	2.63	3	0.7	1176	37.8	94	2.1	8.3	5.7	303	1.73	7.5	3.7	8.1	40	1.4	0.1	1.7	51
40639	Rock	2.90	5	0.8	806.2	23.0	94	2.1	6.8	5.9	290	1.88	7.8	4.9	8.2	62	1.3	0.1	0.4	53
40647	Rock	2.56	7	0.6	95.6	2.4	34	<0.1	17.0	4.1	335	1.93	7.5	7.1	3.3	5	<0.1	<0.1	0.2	61
40648	Rock	3.37	3	0.8	98.5	5.1	53	<0.1	33.9	9.3	405	2.97	7.9	5.5	7.5	33	0.1	<0.1	0.2	73
40649	Rock	3.29	11	0.5	124.0	4.0	48	0.3	34.5	10.5	386	3.46	15.4	9.6	7.1	20	0.1	0.1	0.3	96
40650	Rock	2.78	179	0.7	148.1	25.1	72	0.4	25.9	7.5	253	2.75	40.8	289.7	6.9	30	0.2	0.2	6.3	54
40642	Rock	3.31	9	1.4	112.0	3.3	40	0.1	23.7	5.7	215	2.22	8.2	7.2	4.8	13	0.1	<0.1	0.2	89



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Project: Rhyolite
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
40091	Rock	0.069	13	50	0.75	249	0.165	<20	1.59	0.080	0.61	0.2	0.02	4.0	0.3	0.15	7	0.5
41352	Rock Pulp	0.113	12	52	1.64	52	0.425	<20	1.50	0.587	0.34	<0.1	<0.01	0.4	<0.1	<0.05	6	<0.5
40092	Rock	0.069	19	56	0.94	159	0.214	<20	2.17	0.069	1.15	0.1	<0.01	6.2	0.6	0.14	10	0.7
40093	Rock	0.041	8	23	0.20	37	0.035	<20	0.80	0.055	0.25	0.3	<0.01	2.1	0.1	0.05	4	<0.5
40094	Rock	0.010	6	12	0.07	43	0.020	<20	0.50	0.058	0.15	0.4	0.01	1.1	<0.1	<0.05	3	<0.5
40095	Rock	0.002	5	10	0.02	22	0.002	<20	0.39	0.055	0.13	0.2	<0.01	0.8	<0.1	<0.05	3	<0.5
40096	Rock	0.014	8	8	0.08	57	0.027	<20	0.52	0.056	0.14	0.3	<0.01	1.1	<0.1	<0.05	4	<0.5
40640	Rock	0.131	13	23	1.39	150	0.106	<20	1.97	0.098	0.16	0.3	<0.01	4.4	<0.1	0.15	9	<0.5
40641	Rock	0.098	17	107	1.36	123	0.146	<20	1.72	0.063	0.27	0.5	<0.01	5.0	0.2	0.07	8	1.4
40097	Rock	0.051	11	17	0.34	136	0.134	<20	1.10	0.069	0.52	0.3	<0.01	2.6	0.2	<0.05	6	<0.5
40098	Rock	0.052	12	38	0.64	150	0.173	<20	2.46	0.118	0.83	0.2	<0.01	5.0	0.4	<0.05	9	<0.5
40630	Rock	0.108	17	34	0.55	244	0.167	<20	1.49	0.094	0.58	0.8	<0.01	3.9	0.3	0.15	7	0.5
41356	Rock Pulp	0.080	9	48	1.30	62	0.274	<20	1.21	0.542	0.32	<0.1	<0.01	0.7	0.5	2.75	4	0.9
40631	Rock	0.045	10	16	0.23	135	0.085	<20	0.70	0.072	0.21	0.4	<0.01	1.7	<0.1	<0.05	4	0.8
40632	Rock	0.012	5	11	0.06	48	0.019	<20	0.38	0.090	0.12	0.3	<0.01	0.7	<0.1	0.07	2	<0.5
40633	Rock	0.008	21	15	0.07	31	0.008	<20	0.42	0.051	0.12	0.2	<0.01	1.0	<0.1	<0.05	2	<0.5
40099	Rock	0.072	14	34	0.55	220	0.203	<20	2.33	0.146	0.77	0.2	<0.01	4.1	0.2	<0.05	9	0.5
41353	Rock Pulp	0.107	11	53	1.63	51	0.415	<20	1.51	0.583	0.34	<0.1	<0.01	0.5	<0.1	<0.05	6	<0.5
40100	Rock	0.092	15	44	0.87	208	0.195	<20	2.08	0.101	0.64	0.3	<0.01	4.5	0.3	0.15	9	<0.5
40634	Rock	0.007	7	8	0.06	46	0.012	<20	0.46	0.066	0.16	0.3	<0.01	0.9	<0.1	<0.05	3	<0.5
40635	Rock	0.023	18	20	0.29	69	0.035	<20	0.78	0.041	0.25	0.2	<0.01	1.7	0.1	<0.05	4	<0.5
40636	Rock	0.058	15	19	0.41	121	0.056	<20	0.91	0.072	0.20	0.4	<0.01	2.8	0.1	<0.05	4	<0.5
40637	Rock	0.098	17	30	0.66	110	0.053	<20	1.17	0.085	0.21	1.0	<0.01	3.5	0.1	<0.05	5	<0.5
40638	Rock	0.083	17	30	0.87	67	0.044	<20	1.10	0.058	0.17	0.7	<0.01	3.5	<0.1	0.06	5	0.5
40639	Rock	0.084	14	26	0.88	102	0.062	<20	1.52	0.111	0.21	0.7	<0.01	3.8	<0.1	<0.05	6	<0.5
40647	Rock	0.044	8	46	0.55	203	0.093	<20	1.15	0.014	0.64	0.2	<0.01	3.3	0.2	<0.05	5	0.7
40648	Rock	0.051	15	73	0.95	190	0.173	<20	2.18	0.064	0.95	0.4	<0.01	5.5	0.3	<0.05	9	<0.5
40649	Rock	0.065	16	91	1.11	184	0.218	<20	2.39	0.048	1.15	0.5	<0.01	7.8	0.5	<0.05	10	<0.5
40650	Rock	0.064	12	77	0.85	62	0.151	<20	1.80	0.052	0.56	0.5	<0.01	4.0	0.2	<0.05	8	1.0
40642	Rock	0.068	10	78	0.77	263	0.135	<20	1.52	0.033	0.80	0.2	<0.01	4.9	0.4	0.06	6	0.8



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
40643	Rock	2.54	11	2.1	157.5	6.9	48	0.3	54.7	9.2	213	2.34	14.1	9.5	6.5	29	0.2	<0.1	0.3	101	0.36
40644	Rock	2.44	6	0.9	72.5	5.7	62	<0.1	29.0	8.6	331	2.77	8.3	3.7	5.9	14	0.2	0.1	0.2	68	0.28
40645	Rock	2.70	4	0.7	121.9	3.4	42	0.2	25.5	6.9	277	2.19	6.1	2.5	4.1	32	0.1	<0.1	0.2	70	0.41
40646	Rock	2.86	6	1.2	96.6	4.7	53	<0.1	26.5	7.2	285	2.14	8.2	9.6	5.0	32	0.3	0.1	0.4	59	0.39
41357	Rock Pulp	0.16	955	1.4	21.9	43.7	44	0.2	55.6	17.3	354	4.39	2.9	858.0	1.7	112	0.2	0.2	0.3	33	0.47



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CERTIFICATE OF ANALYSIS

WHI11000654.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
40643	Rock	0.065	9	122	1.30	240	0.172	<20	2.09	0.090	1.04	0.4	<0.01	6.4	0.5	0.12	8	0.6
40644	Rock	0.059	11	68	0.87	198	0.163	<20	1.66	0.040	0.59	0.3	<0.01	4.7	0.3	<0.05	7	<0.5
40645	Rock	0.079	12	53	0.69	192	0.134	<20	1.50	0.066	0.54	0.4	<0.01	4.3	0.2	<0.05	6	<0.5
40646	Rock	0.079	12	59	0.81	156	0.142	<20	1.51	0.059	0.51	3.9	<0.01	4.0	0.2	<0.05	6	0.8
41357	Rock Pulp	0.079	9	46	1.23	55	0.278	<20	1.17	0.532	0.32	<0.1	<0.01	0.7	0.5	2.72	4	0.8



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Part 1

QUALITY CONTROL REPORT

WHI11000654.1

	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
41353	Rock Pulp	0.15	<2	1.2	24.4	5.4	43	<0.1	77.8	20.5	438	3.14	0.8	6.3	1.5	197	<0.1	<0.1	<0.1	55	0.59
REP 41353	QC			1.3	24.8	5.4	43	<0.1	79.4	20.6	452	3.25	0.5	5.4	1.6	202	<0.1	<0.1	<0.1	56	0.60
REP 40643	QC		8																		
Core Reject Duplicates																					
40643	Rock	2.54	11	2.1	157.5	6.9	48	0.3	54.7	9.2	213	2.34	14.1	9.5	6.5	29	0.2	<0.1	0.3	101	0.36
DUP 40643	QC		7	2.0	152.5	6.8	50	0.2	55.6	9.0	220	2.38	14.3	8.5	6.5	29	0.2	<0.1	0.4	100	0.36
Reference Materials																					
STD DS8	Standard			13.0	109.1	107.7	296	1.9	37.1	7.1	585	2.41	26.4	97.8	6.0	58	2.3	3.9	6.2	41	0.69
STD DS8	Standard			13.2	110.0	122.2	315	1.6	36.8	7.5	625	2.48	28.9	106.2	6.6	70	2.3	3.9	5.7	38	0.70
STD OREAS45CA	Standard			0.7	495.0	17.2	61	0.3	243.5	88.5	911	15.43	3.8	39.9	6.0	14	<0.1	<0.1	0.2	207	0.41
STD OREAS45CA	Standard			0.8	470.8	18.8	57	0.2	220.7	83.3	870	14.64	3.5	31.9	6.2	18	<0.1	<0.1	0.2	192	0.36
STD OXC88	Standard		200																		
STD OXH82	Standard		1330																		
STD OXH82	Standard		1293																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<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	0.03	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		<2	0.1	1.5	2.7	49	<0.1	3.7	4.0	570	1.93	0.6	8.4	5.0	60	<0.1	<0.1	<0.1	35	0.47
G1	Prep Blank		<2	0.1	1.5	2.7	46	<0.1	3.4	3.9	548	1.90	<0.5	5.7	4.7	59	<0.1	<0.1	<0.1	35	0.50



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Part 2

QUALITY CONTROL REPORT

WHI11000654.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
41353	Rock Pulp	0.107	11	53	1.63	51	0.415	<20	1.51	0.583	0.34	<0.1	<0.01	0.5	<0.1	<0.05	6	<0.5	<0.2
REP 41353	QC	0.112	12	53	1.67	52	0.433	<20	1.54	0.596	0.34	<0.1	<0.01	0.4	<0.1	<0.05	6	<0.5	<0.2
REP 40643	QC																		
Core Reject Duplicates																			
40643	Rock	0.065	9	122	1.30	240	0.172	<20	2.09	0.090	1.04	0.4	<0.01	6.4	0.5	0.12	8	0.6	0.4
DUP 40643	QC	0.064	10	122	1.28	249	0.175	<20	2.09	0.092	1.03	0.4	<0.01	6.2	0.5	0.11	8	0.7	0.3
Reference Materials																			
STD DS8	Standard	0.079	13	112	0.60	280	0.103	<20	0.89	0.083	0.40	3.3	0.19	1.9	5.4	0.17	5	5.1	5.0
STD DS8	Standard	0.078	14	115	0.61	297	0.109	<20	0.91	0.087	0.40	2.5	0.20	2.0	5.5	0.17	5	5.0	5.1
STD OREAS45CA	Standard	0.036	14	746	0.13	161	0.127	<20	3.44	0.011	0.07	<0.1	0.02	35.7	<0.1	<0.05	19	0.6	<0.2
STD OREAS45CA	Standard	0.039	14	622	0.12	154	0.123	<20	3.17	0.011	0.06	<0.1	0.02	33.3	<0.1	<0.05	17	<0.5	<0.2
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1	Prep Blank	0.080	8	15	0.57	228	0.114	<20	0.96	0.084	0.46	<0.1	0.02	1.7	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.079	8	13	0.57	214	0.108	<20	0.97	0.083	0.41	<0.1	0.01	1.7	0.3	<0.05	5	<0.5	<0.2



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Acme Analytical Laboratories (Vancouver) Ltd.

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Client:

Ryan Gold Corp.

600 - 666 Burrard St.

Vancouver BC V6C 1H2 Canada

Submitted By: Ian Gendall

Receiving Lab: Canada-Whitehorse

Received: July 19, 2011

Report Date: August 03, 2011

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11000655.1

CLIENT JOB INFORMATION

Project: Kluane
Shipment ID: Kluane-009
P.O. Number
Number of Samples: 14

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Hua Jin

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	12	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01+3B04	14	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1DX1	14	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	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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Project: Kluane
Report Date: August 03, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11000655.1

	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
41311	Rock	2.28	<2	0.6	12.2	4.6	92	0.1	18.5	17.6	526	4.40	1.3	<0.5	1.5	231	0.9	0.2	<0.1	69
41360	Rock Pulp	0.15	<2	1.0	27.0	6.3	42	<0.1	87.1	22.0	444	3.25	0.5	<0.5	1.9	200	<0.1	<0.1	<0.1	55
41305	Rock	2.26	4	0.4	24.5	3.8	63	<0.1	40.4	13.6	416	2.31	10.3	0.9	2.6	16	<0.1	<0.1	0.1	35
41312	Rock	1.90	9	0.4	215.6	25.0	149	2.9	3.3	10.0	376	3.12	128.4	9.4	3.6	55	2.5	4.5	0.9	33
41306	Rock	1.94	<2	0.4	36.8	3.5	66	<0.1	25.1	10.7	425	2.57	3.7	<0.5	2.9	32	<0.1	<0.1	0.2	37
41307	Rock	3.50	61	2.3	187.6	27.7	146	4.4	6.2	13.3	710	2.71	28.9	49.7	2.3	59	2.0	2.9	1.1	12
41308	Rock	1.99	<2	0.2	60.9	5.4	57	0.3	56.0	21.8	338	4.60	18.7	<0.5	3.1	79	0.3	1.2	0.5	107
41309	Rock	2.76	9	1.0	29.1	14.5	62	0.6	25.1	6.2	255	2.48	54.0	8.7	6.8	29	1.0	1.1	0.4	76
41310	Rock	3.30	61	0.8	150.1	33.3	152	3.3	4.5	7.1	444	3.04	28.2	90.3	2.3	37	2.5	1.5	1.5	9
41361	Rock Pulp	0.16	986	1.6	24.2	51.5	47	0.3	64.1	19.0	370	4.76	2.6	999.1	2.3	125	0.2	0.2	0.3	36
40090	Rock	2.72	7	0.7	31.7	3.3	83	<0.1	51.2	12.0	482	3.51	6.8	2.5	3.8	39	<0.1	<0.1	0.2	91
40629	Rock	2.25	<2	0.5	64.4	2.8	102	0.1	39.1	15.3	499	4.23	6.3	<0.5	4.6	37	0.1	<0.1	0.2	96
40121	Rock	1.93	<2	0.5	33.2	5.2	39	0.2	29.8	12.3	128	3.20	0.9	<0.5	10.7	199	<0.1	<0.1	0.4	46
40122	Rock	1.39	6	6.8	61.5	7.3	335	0.5	21.8	10.2	368	3.36	41.0	4.0	4.3	50	4.3	0.6	0.3	100



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Project: Kluane
Report Date: August 03, 2011

Page: 2 of 2 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11000655.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
41311	Rock	0.213	16	34	2.03	111	0.269	<20	3.46	0.219	0.09	<0.1	<0.01	1.5	<0.1	<0.05	10	<0.5
41360	Rock Pulp	0.105	13	57	1.62	51	0.448	<20	1.49	0.575	0.36	<0.1	<0.01	0.4	<0.1	<0.05	6	<0.5
41305	Rock	0.053	6	33	0.57	39	0.027	<20	1.12	0.023	0.10	<0.1	<0.01	2.3	<0.1	<0.05	3	<0.5
41312	Rock	0.085	5	5	0.75	45	0.070	<20	2.35	0.022	0.36	<0.1	<0.01	2.8	0.3	1.24	9	3.7
41306	Rock	0.155	6	31	0.70	57	0.044	<20	1.24	0.021	0.17	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5
41307	Rock	0.074	5	2	0.57	64	0.008	<20	2.54	0.027	0.30	<0.1	<0.01	1.8	0.3	1.55	8	2.1
41308	Rock	0.062	8	105	1.96	233	0.525	<20	5.14	0.368	1.76	0.3	<0.01	11.2	1.0	1.27	16	1.4
41309	Rock	0.067	9	28	0.79	348	0.048	<20	1.90	0.014	0.50	<0.1	<0.01	2.8	0.3	0.54	6	1.9
41310	Rock	0.074	5	2	0.49	37	0.006	<20	2.61	0.041	0.26	<0.1	<0.01	1.3	0.2	1.54	8	1.3
41361	Rock Pulp	0.084	11	49	1.29	59	0.352	<20	1.22	0.546	0.36	<0.1	0.01	0.6	0.4	2.76	5	1.1
40090	Rock	0.068	10	109	1.56	503	0.175	<20	2.70	0.109	1.30	<0.1	<0.01	5.3	0.3	<0.05	9	<0.5
40629	Rock	0.094	9	69	1.55	335	0.182	<20	2.73	0.058	1.37	<0.1	<0.01	5.1	0.4	<0.05	9	<0.5
40121	Rock	0.063	13	45	0.87	21	0.133	<20	4.16	0.305	0.58	0.2	<0.01	4.3	0.3	1.23	12	0.6
40122	Rock	0.074	9	41	0.74	364	0.195	<20	1.79	0.076	0.70	0.6	<0.01	5.5	0.4	0.56	7	2.4



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Project:

Kluane

Report Date:

August 03, 2011

Page:

1 of 1

Part 1

QUALITY CONTROL REPORT

WHI11000655.1

	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
41306	Rock	1.94	<2	0.4	36.8	3.5	66	<0.1	25.1	10.7	425	2.57	3.7	<0.5	2.9	32	<0.1	<0.1	0.2	37	0.33
REP 41306	QC			0.3	35.1	3.5	61	<0.1	24.5	10.2	417	2.45	3.2	2.8	2.8	31	<0.1	<0.1	0.1	36	0.33
Reference Materials																					
STD DS8	Standard			13.2	112.7	130.3	321	1.8	38.6	7.7	610	2.54	27.8	103.0	7.3	76	2.4	4.4	7.2	41	0.70
STD OREAS45CA	Standard			0.6	513.6	22.9	58	0.3	252.0	95.0	951	16.76	3.1	41.7	7.6	16	0.1	<0.1	0.2	213	0.43
STD OXC88	Standard		197																		
STD OXC88	Standard		199																		
STD OXH82	Standard		1301																		
STD OXH82	Standard		1295																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		<2	<0.1	1.4	3.1	48	<0.1	3.7	4.3	575	2.07	1.2	<0.5	5.8	75	<0.1	<0.1	<0.1	38	0.56
G1	Prep Blank		<2	<0.1	1.5	3.2	47	<0.1	3.6	4.6	577	2.08	1.4	<0.5	5.7	76	<0.1	<0.1	<0.1	38	0.51



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Project:

Kluane

Report Date:

August 03, 2011

Page:

1 of 1

Part 2

QUALITY CONTROL REPORT

WHI11000655.1

Method Analyte Unit MDL		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	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
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
41306	Rock	0.155	6	31	0.70	57	0.044	<20	1.24	0.021	0.17	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
REP 41306	QC	0.148	5	29	0.67	55	0.043	<20	1.19	0.020	0.17	<0.1	<0.01	2.0	<0.1	<0.05	4	0.5	<0.2
Reference Materials																			
STD DS8	Standard	0.082	14	121	0.62	294	0.128	<20	0.90	0.086	0.43	2.6	0.32	1.9	5.5	0.17	5	5.5	5.1
STD OREAS45CA	Standard	0.039	16	676	0.16	156	0.153	<20	3.70	0.011	0.07	<0.1	0.03	35.6	<0.1	<0.05	18	1.0	<0.2
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1	Prep Blank	0.080	10	6	0.61	235	0.149	<20	0.98	0.079	0.52	<0.1	0.01	1.8	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.078	9	7	0.61	225	0.155	<20	1.03	0.087	0.51	<0.1	<0.01	1.7	0.3	<0.05	5	<0.5	<0.2



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Submitted By: Jean Pautler
Receiving Lab: Canada-Dawson City
Received: July 26, 2011
Report Date: July 31, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11000750.1

CLIENT JOB INFORMATION

Project: Kluane
Shipment ID:
P.O. Number
Number of Samples: 10

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	10	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	10	Dry at 60C			WHI
1DX2	9	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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Project: Kluane
Report Date: July 31, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11000750.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
M40662	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
M40665	Soil	3.1	105.2	65.4	470	1.4	52.8	20.1	1682	4.33	53.1	2.8	21.0	2.5	65	5.7	2.0	1.6	57	1.04	0.117
40625	Soil	1.5	23.0	42.5	43	0.3	59.9	17.1	328	4.93	2.9	0.7	979.7	1.8	104	0.2	0.3	0.3	37	0.51	0.077
40626	Soil	1.8	24.3	42.3	44	0.2	59.9	17.3	337	4.90	2.8	0.7	965.3	1.8	105	0.2	0.3	0.2	37	0.53	0.080
40627	Soil	1.4	28.2	6.0	42	<0.1	89.1	22.7	439	3.54	0.7	0.6	<0.5	1.7	189	<0.1	<0.1	<0.1	57	0.68	0.102
40628	Soil	1.3	27.7	5.6	41	<0.1	84.9	21.4	415	3.40	0.5	0.6	<0.5	1.6	179	<0.1	<0.1	<0.1	55	0.68	0.102
S41951	Soil	3.3	25.7	7.5	72	0.2	41.4	14.9	374	4.28	11.5	0.8	1.3	0.9	22	0.2	0.5	0.1	89	0.27	0.050
S45004	Soil	19.0	655.1	8.7	353	0.4	138.4	58.1	1997	9.61	76.5	1.3	19.8	0.9	16	2.1	3.6	0.1	176	0.72	0.115
S116149	Soil	15.9	244.5	59.5	250	0.5	48.8	23.9	704	3.48	5.4	3.1	8.7	4.4	20	1.2	0.2	1.5	64	0.34	0.110
S116150	Soil	8.9	59.7	187.6	418	0.9	39.7	13.9	1215	4.81	11.3	7.1	6.0	12.6	21	1.1	0.7	2.9	53	0.27	0.088



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Project: Kluane
Report Date: July 31, 2011

Page: 2 of 2 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11000750.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
M40662	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
M40665	Soil	20	31	0.70	294	0.038	2	1.46	0.024	0.11	1.3	0.07	3.3	0.2	0.14	4	3.1	0.4
40625	Soil	9	46	1.24	50	0.286	2	1.15	0.498	0.33	<0.1	0.01	0.6	0.5	2.84	4	0.6	0.2
40626	Soil	9	46	1.24	51	0.283	2	1.18	0.503	0.34	<0.1	0.01	0.7	0.5	2.81	4	0.5	<0.2
40627	Soil	12	59	1.66	52	0.441	1	1.56	0.557	0.36	<0.1	<0.01	0.5	<0.1	<0.05	5	<0.5	<0.2
40628	Soil	12	56	1.60	50	0.420	2	1.54	0.556	0.34	<0.1	<0.01	0.5	<0.1	<0.05	5	<0.5	<0.2
S41951	Soil	8	68	0.87	102	0.097	1	1.94	0.009	0.09	0.1	0.04	2.7	<0.1	0.06	7	<0.5	<0.2
S45004	Soil	10	103	2.26	175	0.114	2	3.05	0.004	0.05	0.1	0.22	13.8	0.1	<0.05	9	1.6	<0.2
S116149	Soil	16	29	0.50	315	0.046	1	1.08	0.010	0.25	1.0	0.02	4.2	0.5	<0.05	4	<0.5	0.2
S116150	Soil	28	31	0.69	137	0.059	<1	1.70	0.019	0.09	0.2	0.06	2.4	0.1	<0.05	5	0.6	<0.2



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Client:

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600 - 666 Burrard St.

Vancouver BC V6C 1H2 Canada

Project:

Kluane

Report Date:

July 31, 2011

Page:

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Part 1

QUALITY CONTROL REPORT

WHI11000750.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
40628	Soil	1.3	27.7	5.6	41	<0.1	84.9	21.4	415	3.40	0.5	0.6	<0.5	1.6	179	<0.1	<0.1	<0.1	55	0.68	0.102
REP 40628	QC	1.2	24.9	5.2	36	<0.1	79.6	20.2	388	3.14	<0.5	0.6	<0.5	1.6	162	<0.1	<0.1	<0.1	51	0.61	0.097
Reference Materials																					
STD DS8	Standard	13.3	111.7	124.2	308	1.7	37.5	7.7	600	2.60	24.8	2.5	110.7	6.3	61	2.0	5.4	6.2	42	0.67	0.075
STD DS8	Standard	14.0	113.0	123.2	312	1.8	40.5	7.8	619	2.71	25.0	2.7	110.1	6.7	63	2.3	5.4	6.1	44	0.72	0.077
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	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



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Project:

Kluane

Report Date:

July 31, 2011

Page:

1 of 1

Part 2

QUALITY CONTROL REPORT

WHI11000750.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
40628	Soil	12	56	1.60	50	0.420	2	1.54	0.556	0.34	<0.1	<0.01	0.5	<0.1	<0.05	5	<0.5	<0.2
REP 40628	QC	11	53	1.49	48	0.400	1	1.44	0.511	0.31	<0.1	<0.01	0.4	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	117	0.62	271	0.115	3	0.89	0.071	0.40	3.0	0.20	1.8	5.1	0.16	5	4.4	5.0
STD DS8	Standard	15	122	0.64	276	0.122	3	0.93	0.078	0.43	2.9	0.21	2.0	5.2	0.17	4	5.0	4.5
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	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	<0.2



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Client: **Ryan Gold Corp.**
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Vancouver BC V6C 1H2 Canada

Submitted By: Jean Pautler
Receiving Lab: Canada-Dawson City
Received: July 26, 2011
Report Date: August 18, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11000750.2

CLIENT JOB INFORMATION

Project: Kluane
Shipment ID:
P.O. Number
Number of Samples: 10

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	6	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	10	Dry at 60C			WHI
1DX2	9	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Version 2: Sample type correction for Samples 40625, 40626, 40627 & 40628 Rock Pulp



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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Vancouver BC V6C 1H2 Canada

Project: Kluane
Report Date: August 18, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11000750.2

	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
M40662	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
M40665	Soil	3.1	105.2	65.4	470	1.4	52.8	20.1	1682	4.33	53.1	2.8	21.0	2.5	65	5.7	2.0	1.6	57	1.04	0.117
40625	Rock Pulp	1.5	23.0	42.5	43	0.3	59.9	17.1	328	4.93	2.9	0.7	979.7	1.8	104	0.2	0.3	0.3	37	0.51	0.077
40626	Rock Pulp	1.8	24.3	42.3	44	0.2	59.9	17.3	337	4.90	2.8	0.7	965.3	1.8	105	0.2	0.3	0.2	37	0.53	0.080
40627	Rock Pulp	1.4	28.2	6.0	42	<0.1	89.1	22.7	439	3.54	0.7	0.6	<0.5	1.7	189	<0.1	<0.1	<0.1	57	0.68	0.102
40628	Rock Pulp	1.3	27.7	5.6	41	<0.1	84.9	21.4	415	3.40	0.5	0.6	<0.5	1.6	179	<0.1	<0.1	<0.1	55	0.68	0.102
S41951	Soil	3.3	25.7	7.5	72	0.2	41.4	14.9	374	4.28	11.5	0.8	1.3	0.9	22	0.2	0.5	0.1	89	0.27	0.050
S45004	Soil	19.0	655.1	8.7	353	0.4	138.4	58.1	1997	9.61	76.5	1.3	19.8	0.9	16	2.1	3.6	0.1	176	0.72	0.115
S116149	Soil	15.9	244.5	59.5	250	0.5	48.8	23.9	704	3.48	5.4	3.1	8.7	4.4	20	1.2	0.2	1.5	64	0.34	0.110
S116150	Soil	8.9	59.7	187.6	418	0.9	39.7	13.9	1215	4.81	11.3	7.1	6.0	12.6	21	1.1	0.7	2.9	53	0.27	0.088



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Client: **Ryan Gold Corp.**
600 - 666 Burrard St.
Vancouver BC V6C 1H2 Canada

Project: Kluane
Report Date: August 18, 2011

Page: 2 of 2 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11000750.2

	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
M40662	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
M40665	Soil	20	31	0.70	294	0.038	2	1.46	0.024	0.11	1.3	0.07	3.3	0.2	0.14	4	3.1	0.4
40625	Rock Pulp	9	46	1.24	50	0.286	2	1.15	0.498	0.33	<0.1	0.01	0.6	0.5	2.84	4	0.6	0.2
40626	Rock Pulp	9	46	1.24	51	0.283	2	1.18	0.503	0.34	<0.1	0.01	0.7	0.5	2.81	4	0.5	<0.2
40627	Rock Pulp	12	59	1.66	52	0.441	1	1.56	0.557	0.36	<0.1	<0.01	0.5	<0.1	<0.05	5	<0.5	<0.2
40628	Rock Pulp	12	56	1.60	50	0.420	2	1.54	0.556	0.34	<0.1	<0.01	0.5	<0.1	<0.05	5	<0.5	<0.2
S41951	Soil	8	68	0.87	102	0.097	1	1.94	0.009	0.09	0.1	0.04	2.7	<0.1	0.06	7	<0.5	<0.2
S45004	Soil	10	103	2.26	175	0.114	2	3.05	0.004	0.05	0.1	0.22	13.8	0.1	<0.05	9	1.6	<0.2
S116149	Soil	16	29	0.50	315	0.046	1	1.08	0.010	0.25	1.0	0.02	4.2	0.5	<0.05	4	<0.5	0.2
S116150	Soil	28	31	0.69	137	0.059	<1	1.70	0.019	0.09	0.2	0.06	2.4	0.1	<0.05	5	0.6	<0.2



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Project:

Kluane

Report Date:

August 18, 2011

Page:

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Part 1

QUALITY CONTROL REPORT

WHI11000750.2

	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
Pulp Duplicates																					
40628	Rock Pulp	1.3	27.7	5.6	41	<0.1	84.9	21.4	415	3.40	0.5	0.6	<0.5	1.6	179	<0.1	<0.1	<0.1	55	0.68	0.102
REP 40628	QC	1.2	24.9	5.2	36	<0.1	79.6	20.2	388	3.14	<0.5	0.6	<0.5	1.6	162	<0.1	<0.1	<0.1	51	0.61	0.097
Reference Materials																					
STD DS8	Standard	13.3	111.7	124.2	308	1.7	37.5	7.7	600	2.60	24.8	2.5	110.7	6.3	61	2.0	5.4	6.2	42	0.67	0.075
STD DS8	Standard	14.0	113.0	123.2	312	1.8	40.5	7.8	619	2.71	25.0	2.7	110.1	6.7	63	2.3	5.4	6.1	44	0.72	0.077
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	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



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Project:

Kluane

Report Date:

August 18, 2011

Page:

1 of 1

Part 2

QUALITY CONTROL REPORT

WHI11000750.2

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
40628	Rock Pulp	12	56	1.60	50	0.420	2	1.54	0.556	0.34	<0.1	<0.01	0.5	<0.1	<0.05	5	<0.5	<0.2
REP 40628	QC	11	53	1.49	48	0.400	1	1.44	0.511	0.31	<0.1	<0.01	0.4	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	117	0.62	271	0.115	3	0.89	0.071	0.40	3.0	0.20	1.8	5.1	0.16	5	4.4	5.0
STD DS8	Standard	15	122	0.64	276	0.122	3	0.93	0.078	0.43	2.9	0.21	2.0	5.2	0.17	4	5.0	4.5
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	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	<0.2



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Client: **Ryan Gold Corp.**
600 - 666 Burrard St.
Vancouver BC V6C 1H2 Canada

Submitted By: Ian Gendall
Receiving Lab: Canada-Whitehorse
Received: August 02, 2011
Report Date: August 20, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11000816.1

CLIENT JOB INFORMATION

Project: Rhyolite
Shipment ID: Kluane-010
P.O. Number
Number of Samples: 35

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Hua Jin

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	31	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01+3B04	35	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1DX1	35	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	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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Acme Analytical Laboratories (Vancouver) Ltd.

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Client:

Ryan Gold Corp.

600 - 666 Burrard St.
Vancouver BC V6C 1H2 Canada

Project:

Rhyolite

Report Date:

August 20, 2011

Page:

2 of 3

Part 1

CERTIFICATE OF ANALYSIS

WHI11000816.1

	Method Analyte Unit MDL	WGHT Wgt kg 0.01	3B-50 Au ppb 2	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01
40505	Rock	2.40	22	1.5	212.2	11.1	75	0.2	28.8	9.3	257	2.27	20.5	15.7	9.1	30	0.3	0.2	0.5	53	0.54
41354	Rock Pulp	0.15	<2	1.3	29.5	6.2	44	<0.1	87.9	22.8	444	3.27	0.5	1.1	1.8	196	<0.1	<0.1	<0.1	56	0.58
40504	Rock	2.53	3	1.6	108.1	9.9	88	<0.1	24.2	18.3	443	2.97	5.0	1.7	6.2	92	0.6	<0.1	0.2	45	1.21
40503	Rock	3.23	32	2.7	194.9	16.4	44	0.3	13.6	8.9	216	1.68	18.8	25.7	11.0	46	1.1	0.2	0.6	26	0.50
40502	Rock	2.87	9	1.7	87.1	13.0	51	0.2	25.5	10.0	309	2.64	21.6	10.0	11.4	59	0.2	0.2	0.7	47	0.69
40501	Rock	3.15	331	0.5	139.6	10.7	62	0.3	25.2	10.3	279	3.12	46.2	59.0	8.2	39	0.2	0.2	1.1	55	0.45
40506	Rock	2.30	3	3.1	310.8	4.5	118	<0.1	31.9	17.3	570	3.70	1.9	4.2	2.2	52	0.3	<0.1	0.3	51	1.01
40507	Rock	2.18	115	1.4	184.7	11.8	77	1.1	13.6	8.5	308	2.39	67.3	78.6	10.1	38	0.2	0.2	7.9	31	0.57
40509	Rock	2.15	7	0.3	119.7	5.3	59	0.2	53.5	16.8	349	3.81	10.0	14.3	7.5	74	0.1	<0.1	0.5	83	1.53
40508	Rock	2.74	8	0.4	96.4	11.1	69	0.2	37.0	12.3	304	2.65	22.0	5.5	9.6	183	0.4	0.1	0.4	50	3.02
40510	Rock	2.41	17	0.4	193.0	7.6	54	0.3	47.8	14.5	298	3.23	6.3	10.4	10.0	115	0.2	<0.1	1.0	67	1.97
40511	Rock	3.23	7	0.2	161.3	11.7	58	0.3	39.2	10.7	391	2.94	5.9	8.3	9.9	135	0.2	0.1	0.4	53	3.15
40512	Rock	2.74	4	0.4	63.5	7.7	50	0.1	33.1	9.6	335	2.57	6.7	3.9	9.4	142	0.2	0.1	0.1	52	5.81
40513	Rock	3.17	10	0.5	192.8	18.3	48	0.4	35.5	11.3	338	1.72	16.4	9.4	9.5	195	0.4	0.3	0.7	24	4.44
40514	Rock	3.28	7	0.6	79.1	11.3	83	0.1	32.2	11.8	318	2.76	12.4	3.1	10.1	165	0.4	0.1	0.3	58	1.65
41358	Rock Pulp	0.16	1050	1.5	27.8	46.7	49	0.3	64.2	19.1	371	4.83	2.8	980.4	2.0	114	0.2	0.2	0.3	37	0.51
40516	Rock	2.50	53	0.3	76.9	10.5	35	0.2	29.3	10.0	209	1.86	8.0	41.0	7.6	299	0.2	0.2	0.2	52	7.70
40517	Rock	2.96	24	0.6	1213	8.5	67	2.1	29.3	10.8	144	2.25	8.9	18.3	7.0	297	0.9	0.2	0.6	20	8.13
40518	Rock	2.57	18	0.7	153.9	10.7	32	0.3	90.5	12.1	130	1.79	27.1	15.8	8.8	216	0.3	1.1	1.0	29	2.15
40519	Rock	2.55	39	0.4	98.3	15.5	66	0.3	32.1	11.8	257	2.45	14.6	24.4	9.7	320	0.4	4.3	2.2	49	2.80
40520	Rock	2.90	32	0.8	44.5	21.2	152	0.5	41.6	15.5	269	2.19	40.0	28.5	7.9	470	1.4	2.3	3.6	45	4.49
40521	Rock	2.45	3	0.9	80.5	15.4	154	0.4	27.1	10.3	349	2.70	22.4	4.3	8.2	94	1.2	2.0	1.3	51	2.70
40524	Rock	2.54	14	0.3	540.9	8.4	50	0.6	39.9	11.7	251	2.74	82.1	16.2	8.8	82	0.3	0.2	0.4	50	1.21
40523	Rock	2.62	3	0.3	90.8	12.4	72	0.2	37.2	11.7	243	2.76	14.0	8.8	10.2	410	0.5	0.4	0.3	64	6.55
40522	Rock	2.74	<2	1.0	73.1	7.2	144	0.1	47.8	18.3	628	3.81	12.1	2.3	3.4	175	1.4	0.2	0.3	74	4.16
41355	Rock Pulp	0.15	<2	1.3	30.2	5.9	44	<0.1	91.0	23.8	452	3.31	0.5	0.7	1.9	198	<0.1	<0.1	<0.1	56	0.62
40525	Rock	2.57	<2	0.8	125.9	8.6	19	0.2	9.7	4.2	139	0.59	11.6	1.8	3.3	397	0.2	0.2	0.1	14	22.26
40526	Rock	2.49	<2	0.6	55.4	5.3	17	<0.1	10.2	5.2	130	1.08	4.2	1.3	3.4	479	0.1	0.1	<0.1	20	25.44
40527	Rock	2.45	4	0.7	167.2	11.5	43	0.2	22.5	8.9	199	2.26	10.7	6.0	9.5	226	0.2	0.1	0.1	43	8.19
40528	Rock	2.21	<2	1.1	41.9	11.1	29	<0.1	7.1	2.7	139	1.33	11.5	1.5	19.5	15	<0.1	0.2	<0.1	11	0.29



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Project:

Rhyolite

Report Date:

August 20, 2011

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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
40505	Rock	0.093	12	49	0.91	69	0.191	<20	1.33	0.062	0.22	0.8	<0.01	3.4	0.1	<0.05	6	<0.5
41354	Rock Pulp	0.116	13	58	1.66	55	0.453	<20	1.54	0.596	0.34	<0.1	<0.01	0.6	<0.1	<0.05	6	<0.5
40504	Rock	0.111	12	55	1.41	92	0.172	<20	2.31	0.175	0.24	0.4	<0.01	1.8	<0.1	<0.05	8	<0.5
40503	Rock	0.035	10	27	0.64	74	0.115	<20	1.23	0.107	0.28	0.7	<0.01	2.2	0.1	0.06	5	0.6
40502	Rock	0.053	15	50	0.83	57	0.169	<20	1.98	0.109	0.45	0.8	<0.01	4.3	0.2	<0.05	8	<0.5
40501	Rock	0.049	14	53	0.81	88	0.185	<20	1.92	0.082	0.64	0.5	<0.01	4.9	0.2	0.07	8	0.8
40506	Rock	0.239	15	58	1.52	43	0.211	<20	1.93	0.079	0.07	0.4	<0.01	2.2	<0.1	<0.05	10	0.7
40507	Rock	0.115	13	25	0.74	31	0.174	<20	1.16	0.062	0.10	0.6	<0.01	2.3	<0.1	<0.05	6	1.0
40509	Rock	0.041	14	109	1.36	141	0.312	<20	4.60	0.223	1.40	0.5	<0.01	10.0	0.4	0.27	15	0.6
40508	Rock	0.058	15	66	0.88	48	0.209	<20	5.22	0.288	0.52	0.4	<0.01	5.3	0.2	0.31	14	0.6
40510	Rock	0.045	19	90	1.13	103	0.275	<20	4.73	0.287	1.02	0.4	<0.01	7.9	0.4	0.24	14	0.7
40511	Rock	0.044	20	61	0.76	47	0.217	<20	4.96	0.308	0.78	2.1	<0.01	6.2	0.3	0.34	13	1.0
40512	Rock	0.041	14	60	0.92	55	0.198	<20	2.90	0.162	0.63	1.3	<0.01	6.2	0.2	0.16	9	<0.5
40513	Rock	0.052	20	42	0.53	26	0.120	<20	3.29	0.164	0.10	15.5	<0.01	2.2	<0.1	0.30	9	0.6
40514	Rock	0.081	17	66	0.91	79	0.208	<20	3.37	0.183	0.45	0.5	<0.01	5.3	0.2	<0.05	11	<0.5
41358	Rock Pulp	0.088	10	51	1.32	60	0.311	<20	1.25	0.568	0.35	<0.1	<0.01	0.9	0.5	2.82	4	0.7
40516	Rock	0.037	19	55	0.94	62	0.181	<20	3.93	0.269	0.55	0.4	<0.01	4.7	0.3	0.20	10	<0.5
40517	Rock	0.050	17	32	0.62	16	0.098	<20	3.57	0.194	0.07	0.6	<0.01	1.8	<0.1	0.77	9	2.7
40518	Rock	0.052	19	58	0.55	41	0.166	<20	3.43	0.263	0.32	0.4	<0.01	2.7	0.2	0.36	9	0.7
40519	Rock	0.057	22	52	0.74	69	0.200	<20	4.01	0.223	0.46	0.4	<0.01	4.7	0.2	0.30	12	0.6
40520	Rock	0.064	19	58	0.72	66	0.167	<20	4.52	0.232	0.41	0.3	<0.01	4.2	0.2	0.20	12	0.6
40521	Rock	0.093	23	46	0.99	76	0.189	<20	1.71	0.063	0.25	0.4	<0.01	4.5	0.1	0.06	7	<0.5
40524	Rock	0.034	15	78	1.00	97	0.213	<20	2.74	0.134	0.52	1.2	<0.01	4.9	0.2	0.09	9	0.7
40523	Rock	0.047	26	69	1.06	44	0.170	<20	4.07	0.248	0.45	0.4	<0.01	6.4	0.2	0.35	11	<0.5
40522	Rock	0.152	17	89	1.96	43	0.219	<20	2.70	0.097	0.09	0.5	<0.01	5.1	<0.1	0.06	9	<0.5
41355	Rock Pulp	0.115	13	61	1.68	53	0.463	<20	1.60	0.620	0.35	<0.1	<0.01	0.6	<0.1	<0.05	6	<0.5
40525	Rock	0.030	10	7	1.34	29	0.040	<20	2.21	0.172	0.08	0.8	<0.01	0.9	<0.1	0.25	5	0.8
40526	Rock	0.025	8	18	0.46	39	0.063	<20	1.49	0.093	0.19	0.2	<0.01	2.3	<0.1	0.23	4	0.6
40527	Rock	0.057	21	38	0.73	52	0.155	<20	3.17	0.218	0.23	0.5	<0.01	3.7	0.1	0.22	10	0.5
40528	Rock	0.013	21	10	0.23	37	0.017	<20	0.64	0.048	0.16	0.1	<0.01	1.4	<0.1	<0.05	3	<0.5



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CERTIFICATE OF ANALYSIS

WHI11000816.1

	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
40529	Rock	2.26	<2	1.2	49.1	9.7	60	<0.1	2.9	6.9	353	2.67	5.2	1.3	14.1	19	0.3	<0.1	0.2	28
40532	Rock	2.36	3	1.2	153.4	12.3	81	0.2	34.4	8.5	712	3.33	12.3	2.6	10.4	57	0.5	0.1	0.3	50
40531	Rock	2.22	4	1.1	113.3	7.8	91	0.1	18.3	17.2	651	4.79	6.4	5.3	6.4	52	0.6	0.1	0.2	73
40530	Rock	2.76	<2	1.4	23.7	7.6	102	<0.1	4.9	19.5	807	4.97	2.2	1.4	1.9	144	0.2	<0.1	0.1	83
41359	Rock Pulp	0.16	967	1.6	24.4	52.2	46	0.3	63.8	18.8	361	4.76	2.4	1060	2.8	128	0.2	0.3	0.4	36



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CERTIFICATE OF ANALYSIS

WHI11000816.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	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
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
40529	Rock	0.072	20	7	0.72	37	0.003	<20	1.29	0.043	0.14	<0.1	<0.01	2.7	<0.1	<0.05	6	0.6	<0.2
40532	Rock	0.092	16	71	1.23	87	0.086	<20	1.67	0.053	0.17	0.6	<0.01	4.4	<0.1	<0.05	8	0.6	0.2
40531	Rock	0.129	21	43	1.55	79	0.108	<20	2.50	0.061	0.30	<0.1	<0.01	7.4	0.1	0.38	11	0.9	<0.2
40530	Rock	0.168	14	40	2.12	70	0.090	<20	3.18	0.122	0.10	0.3	<0.01	9.6	<0.1	0.16	12	<0.5	<0.2
41359	Rock Pulp	0.088	10	47	1.30	60	0.306	<20	1.21	0.553	0.33	0.1	<0.01	0.6	0.5	2.80	4	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000816.1

	Method Analyte Unit MDL	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
REP 40513	QC			0.5	195.4	18.9	49	0.4	36.7	11.3	339	1.74	15.3	11.7	9.9	195	0.4	0.3	0.8	24	4.50
41355	Rock Pulp	0.15	<2	1.3	30.2	5.9	44	<0.1	91.0	23.8	452	3.31	0.5	0.7	1.9	198	<0.1	<0.1	<0.1	56	0.62
REP 41355	QC		<2																		
Core Reject Duplicates																					
40513	Rock	3.17	10	0.5	192.8	18.3	48	0.4	35.5	11.3	338	1.72	16.4	9.4	9.5	195	0.4	0.3	0.7	24	4.44
DUP 40513	QC		9	0.6	200.8	19.0	49	0.4	37.5	11.7	343	1.80	15.8	7.5	9.8	194	0.4	0.3	0.8	25	4.46
Reference Materials																					
STD DS8	Standard			13.2	112.3	124.5	306	1.6	37.0	7.6	590	2.41	24.5	89.3	6.5	64	2.3	3.9	6.5	41	0.66
STD DS8	Standard			13.1	117.9	130.0	300	1.8	38.7	8.0	606	2.48	25.7	104.8	7.5	73	2.3	4.3	7.0	42	0.71
STD OREAS45CA	Standard			0.7	500.1	20.8	60	0.3	247.7	93.3	946	16.81	3.4	39.7	7.3	13	<0.1	<0.1	0.2	208	0.44
STD OREAS45CA	Standard			0.8	486.5	22.4	61	0.3	242.9	93.4	913	16.92	3.2	39.2	7.7	21	0.1	<0.1	0.2	200	0.41
STD OXC88	Standard		216																		
STD OXC88	Standard		221																		
STD OXC88	Standard		198																		
STD OXH82	Standard		1368																		
STD OXH82	Standard		1406																		
STD OXH82	Standard		1309																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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QUALITY CONTROL REPORT

WHI11000816.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	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
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
REP 40513	QC	0.052	21	44	0.54	27	0.120	<20	3.30	0.166	0.10	14.5	<0.01	2.1	<0.1	0.30	9	0.8	0.3
41355	Rock Pulp	0.115	13	61	1.68	53	0.463	<20	1.60	0.620	0.35	<0.1	<0.01	0.6	<0.1	<0.05	6	<0.5	<0.2
REP 41355	QC																		
Core Reject Duplicates																			
40513	Rock	0.052	20	42	0.53	26	0.120	<20	3.29	0.164	0.10	15.5	<0.01	2.2	<0.1	0.30	9	0.6	0.4
DUP 40513	QC	0.052	21	45	0.54	27	0.121	<20	3.38	0.173	0.11	18.3	<0.01	2.2	<0.1	0.33	9	0.8	0.4
Reference Materials																			
STD DS8	Standard	0.079	13	113	0.60	295	0.110	<20	0.86	0.080	0.39	2.6	0.21	2.0	5.3	0.17	4	5.1	4.4
STD DS8	Standard	0.083	14	119	0.59	296	0.117	<20	0.92	0.099	0.39	2.9	0.19	2.1	5.6	0.17	4	5.5	4.9
STD OREAS45CA	Standard	0.039	16	716	0.16	167	0.145	<20	3.79	0.010	0.08	<0.1	0.03	40.7	<0.1	<0.05	19	0.8	<0.2
STD OREAS45CA	Standard	0.039	16	698	0.16	163	0.147	<20	3.71	0.010	0.07	<0.1	0.03	37.8	<0.1	<0.05	18	0.6	<0.2
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.01	<0.05	<1	<0.5	<0.2



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Project:

Rhyolite

Report Date:

August 20, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11000816.1

		WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	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	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		<2	0.2	2.7	4.4	50	<0.1	5.9	4.7	567	2.03	0.9	0.5	5.4	65	<0.1	<0.1	<0.1	38	0.49
G1	Prep Blank		<2	0.2	23.6	3.3	50	0.7	4.3	4.4	555	1.96	<0.5	0.9	5.3	59	<0.1	<0.1	0.5	37	0.54



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Part 2

QUALITY CONTROL REPORT

WHI11000816.1

		1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Tl ppm	1DX S %	1DX Ga ppm	1DX Se ppm	1DX Te ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1	Prep Blank	0.080	10	10	0.62	240	0.139	<20	1.02	0.082	0.49	0.4	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.078	9	8	0.64	236	0.134	<20	0.95	0.072	0.45	0.3	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2



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Submitted By: Mike Skead
Receiving Lab: Canada-Whitehorse
Received: July 15, 2011
Report Date: August 09, 2011
Page: 1 of 10

CERTIFICATE OF ANALYSIS

WHI11000609.1

CLIENT JOB INFORMATION

Project: PLU
Shipment ID:
P.O. Number
Number of Samples: 265

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	265	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	265	Dry at 60C			VAN
1DX2	265	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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August 09, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000609.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1082315	Soil	0.8	18.1	6.2	31	0.2	10.4	5.1	176	1.39	9.4	0.5	<0.5	0.8	20	0.2	0.2	0.1	40	0.25	0.040
1082296	Soil	1.3	36.6	13.7	72	0.1	41.8	18.0	340	4.48	18.6	0.6	3.8	3.5	16	0.2	0.6	0.2	89	0.18	0.044
1082295	Soil	0.7	26.6	22.0	89	<0.1	31.7	11.4	333	3.18	13.1	0.7	1.6	5.4	18	0.3	0.3	0.2	64	0.21	0.017
1082294	Soil	1.1	25.6	24.3	88	<0.1	34.9	13.2	337	3.65	11.7	0.7	3.9	4.6	15	0.5	0.4	0.2	69	0.19	0.030
1082293	Soil	2.1	23.9	16.5	84	0.1	24.3	10.8	510	3.99	11.5	0.6	<0.5	1.9	16	0.4	0.8	0.3	84	0.18	0.047
1082309	Soil	1.1	25.7	28.1	86	<0.1	59.8	15.3	388	3.69	18.9	0.8	5.8	4.5	22	0.5	0.5	0.3	74	0.23	0.028
1082286	Soil	0.9	47.3	19.5	161	0.2	52.3	16.3	534	4.07	8.6	1.4	0.9	7.0	67	0.4	0.3	0.3	82	0.72	0.085
1082316	Soil	0.9	26.8	12.1	53	0.2	19.6	7.6	485	1.87	9.8	1.3	<0.5	1.4	51	0.2	0.3	0.3	44	0.81	0.066
1082317	Soil	0.5	14.5	10.7	49	0.3	16.4	7.7	285	1.86	14.9	0.5	3.8	1.8	19	0.1	0.2	0.2	51	0.25	0.038
1082285	Soil	1.1	31.4	65.0	120	0.3	32.0	12.4	419	3.73	12.0	0.9	<0.5	2.3	22	0.6	0.5	0.3	74	0.26	0.057
1082310	Soil	1.8	24.3	20.2	73	0.1	29.7	10.2	269	4.30	21.7	0.5	1.3	2.9	21	0.3	0.6	0.4	96	0.23	0.029
1082311	Soil	0.6	9.1	7.4	41	0.2	11.1	6.5	213	1.75	9.5	0.3	<0.5	1.2	22	0.2	0.2	0.2	51	0.19	0.036
1082312	Soil	0.9	30.3	17.1	74	0.1	31.3	11.5	373	3.47	28.0	0.9	3.0	3.8	35	0.2	0.4	0.5	65	0.51	0.087
1082313	Soil	0.8	25.0	17.5	61	0.2	21.3	9.9	356	2.75	18.5	0.7	6.5	2.9	25	0.3	0.2	0.3	63	0.32	0.034
1082314	Soil	0.7	17.8	15.5	57	0.2	20.3	10.7	351	2.26	20.1	0.6	3.7	2.8	19	0.1	0.3	0.3	59	0.27	0.046
1082307	Soil	1.4	26.8	28.7	78	0.2	32.6	12.4	303	3.87	30.6	0.6	1.0	3.2	26	0.4	0.4	0.4	81	0.31	0.036
1082308	Soil	1.3	25.1	13.7	95	0.1	25.4	14.9	790	3.84	9.6	0.4	<0.5	2.5	22	0.4	0.6	0.3	91	0.21	0.022
1082305	Soil	2.1	35.5	12.6	54	0.2	24.7	9.6	209	3.84	19.1	0.5	<0.5	2.5	20	0.2	0.7	0.2	87	0.19	0.029
1082306	Soil	1.8	22.4	15.6	97	0.2	21.4	10.0	370	3.74	12.7	0.5	<0.5	2.5	24	0.3	0.7	0.2	82	0.23	0.032
1082304	Soil	1.6	27.7	25.2	134	0.4	44.7	15.9	697	3.53	22.6	0.6	0.8	2.6	24	1.2	0.7	0.3	76	0.36	0.034
1082287	Soil	2.1	32.7	29.8	94	0.3	22.8	9.8	388	4.03	12.5	1.1	2.8	3.5	16	0.7	0.8	0.3	71	0.18	0.056
1082297	Soil	1.6	27.2	14.0	72	0.2	33.8	15.0	359	4.05	19.2	0.8	1.6	3.6	13	0.4	0.8	0.2	78	0.14	0.038
1082299	Soil	1.5	27.8	16.9	86	<0.1	32.4	15.4	364	3.79	17.3	0.8	1.3	3.7	16	0.4	0.6	0.3	74	0.19	0.034
1082298	Soil	1.2	28.0	25.1	90	0.1	38.7	14.1	362	4.03	13.3	0.8	<0.5	3.9	20	0.4	0.6	0.2	79	0.24	0.029
1082300	Soil	1.6	36.9	26.9	69	0.2	17.0	8.0	379	3.37	12.0	0.6	12.1	2.2	12	0.4	0.6	1.4	74	0.15	0.048
1082292	Soil	1.0	28.9	23.0	110	<0.1	32.6	14.7	404	3.66	16.5	0.8	4.7	6.1	18	0.3	0.4	0.4	78	0.23	0.032
1082291	Soil	0.8	33.5	10.5	65	0.2	40.5	16.5	325	3.44	17.6	0.8	2.6	4.4	20	0.2	0.5	0.2	69	0.27	0.044
1082290	Soil	1.0	43.1	13.4	69	0.3	42.9	17.4	341	3.63	18.5	0.9	2.8	4.9	28	0.2	0.4	0.3	80	0.27	0.036
1082288	Soil	0.9	46.8	11.1	79	0.2	70.1	18.0	404	3.66	11.0	1.0	4.4	4.5	63	0.1	0.3	0.3	80	0.61	0.061
1082289	Soil	0.8	166.1	15.6	83	1.5	70.7	27.4	648	4.42	18.8	1.0	6.5	5.6	77	0.2	0.3	0.3	79	0.58	0.042



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Part 2

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
		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
1082315	Soil	10	15	0.22	83	0.047	<1	0.89	0.022	0.06	0.1	<0.01	1.3	<0.1	0.07	4	<0.5	<0.2
1082296	Soil	9	51	0.61	171	0.114	3	3.09	0.010	0.10	0.2	0.01	3.6	0.1	<0.05	8	<0.5	<0.2
1082295	Soil	16	45	0.56	109	0.112	2	2.53	0.012	0.07	0.2	<0.01	3.3	0.1	<0.05	7	<0.5	<0.2
1082294	Soil	13	41	0.59	144	0.100	3	3.02	0.013	0.07	0.1	0.01	3.7	<0.1	<0.05	7	<0.5	<0.2
1082293	Soil	18	34	0.42	110	0.074	2	2.00	0.010	0.06	<0.1	0.02	2.7	0.1	<0.05	8	<0.5	<0.2
1082309	Soil	12	70	0.89	130	0.099	2	2.59	0.016	0.08	0.2	<0.01	3.4	<0.1	<0.05	8	<0.5	<0.2
1082286	Soil	30	73	0.96	159	0.155	2	2.77	0.032	0.31	0.4	0.02	5.6	0.3	0.09	10	<0.5	<0.2
1082316	Soil	30	24	0.35	130	0.043	3	1.55	0.025	0.09	0.2	0.03	2.4	<0.1	0.13	5	<0.5	<0.2
1082317	Soil	9	25	0.35	77	0.070	<1	1.16	0.016	0.08	0.1	<0.01	1.7	<0.1	0.07	5	<0.5	<0.2
1082285	Soil	10	40	0.56	122	0.096	3	2.46	0.013	0.07	0.7	0.04	2.8	<0.1	0.10	7	<0.5	<0.2
1082310	Soil	9	44	0.57	120	0.091	2	2.30	0.010	0.07	0.2	0.01	3.2	<0.1	0.05	9	<0.5	<0.2
1082311	Soil	4	18	0.25	116	0.064	<1	1.14	0.022	0.06	0.1	<0.01	1.5	<0.1	0.06	4	<0.5	<0.2
1082312	Soil	19	38	0.80	121	0.077	<1	2.01	0.020	0.11	0.2	<0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
1082313	Soil	17	31	0.46	140	0.077	2	1.74	0.018	0.10	0.1	0.01	2.7	<0.1	0.06	6	<0.5	<0.2
1082314	Soil	11	32	0.44	90	0.078	1	1.49	0.015	0.10	0.3	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
1082307	Soil	9	41	0.56	103	0.114	2	2.46	0.014	0.08	0.3	<0.01	3.1	<0.1	0.05	8	<0.5	<0.2
1082308	Soil	9	38	0.41	206	0.081	1	2.29	0.012	0.05	0.1	<0.01	3.0	0.1	<0.05	9	<0.5	<0.2
1082305	Soil	9	34	0.41	138	0.111	1	1.85	0.013	0.07	0.1	<0.01	2.9	<0.1	<0.05	8	<0.5	<0.2
1082306	Soil	7	37	0.43	211	0.084	1	2.08	0.013	0.06	<0.1	0.01	2.6	0.1	<0.05	8	<0.5	<0.2
1082304	Soil	9	55	0.55	183	0.077	2	2.11	0.017	0.06	0.1	<0.01	3.3	0.1	<0.05	7	<0.5	<0.2
1082287	Soil	15	38	0.43	80	0.065	2	2.25	0.009	0.05	0.2	0.05	2.4	0.1	<0.05	8	<0.5	<0.2
1082297	Soil	9	48	0.56	114	0.099	2	2.60	0.010	0.07	0.2	0.02	3.7	0.1	<0.05	7	<0.5	<0.2
1082299	Soil	11	43	0.60	137	0.103	2	2.77	0.012	0.07	0.2	0.03	3.6	0.1	<0.05	7	<0.5	<0.2
1082298	Soil	15	46	0.66	192	0.112	2	2.86	0.013	0.07	0.2	0.01	3.9	<0.1	<0.05	8	<0.5	<0.2
1082300	Soil	8	26	0.32	77	0.076	1	1.42	0.012	0.04	0.2	0.02	2.0	0.1	<0.05	7	<0.5	0.3
1082292	Soil	23	48	0.77	120	0.121	<1	2.73	0.013	0.11	0.2	0.02	4.1	0.1	<0.05	8	<0.5	<0.2
1082291	Soil	12	47	0.67	141	0.138	2	2.90	0.019	0.11	0.2	0.02	4.0	0.1	<0.05	7	<0.5	<0.2
1082290	Soil	11	49	0.78	141	0.114	2	2.97	0.017	0.10	0.2	0.03	4.5	0.1	<0.05	7	<0.5	<0.2
1082288	Soil	19	101	1.13	149	0.152	2	2.49	0.022	0.12	0.3	0.02	4.2	0.1	<0.05	9	<0.5	<0.2
1082289	Soil	19	81	1.40	92	0.170	3	2.51	0.029	0.14	2.6	0.02	5.7	0.2	<0.05	9	1.4	<0.2



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Part 1

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
1086955	Soil	0.8	28.4	19.9	58	1.0	16.6	7.1	287	1.78	12.8	2.3	6.5	1.6	44	0.4	0.2	0.3	42	0.49	0.062
1086953	Soil	0.9	45.9	16.5	79	1.0	24.6	10.1	637	2.27	19.3	3.2	7.2	1.7	69	0.5	0.4	0.3	54	0.86	0.086
1086951	Soil	0.9	44.7	12.9	85	0.3	35.7	11.8	448	3.25	41.3	2.0	6.8	4.0	130	0.4	0.4	0.3	73	0.83	0.064
1086952	Soil	0.7	32.8	12.6	52	0.7	16.4	5.7	237	1.64	13.5	2.2	5.5	1.5	52	0.3	0.2	0.2	43	0.63	0.061
1086954	Soil	0.6	22.2	6.0	29	0.2	8.7	5.9	223	1.32	6.2	0.7	1.3	0.7	24	0.2	0.1	0.1	37	0.25	0.041
1082047	Soil	1.0	49.3	6.2	25	0.5	17.5	6.7	206	1.43	8.0	0.6	6.5	0.5	24	0.1	0.3	0.2	35	0.33	0.048
1082046	Soil	1.2	35.1	7.0	31	0.3	15.7	8.9	269	2.06	9.6	0.4	1.7	1.0	15	0.2	0.3	0.2	56	0.15	0.033
1082049	Soil	0.6	31.5	5.5	31	0.4	11.1	6.5	319	1.29	7.2	1.0	5.1	0.6	40	0.3	0.2	0.1	33	0.55	0.045
1082044	Soil	2.1	22.7	16.7	56	0.4	23.6	11.0	333	3.79	15.4	0.4	2.9	1.9	23	0.5	0.6	0.2	91	0.21	0.031
1082050	Soil	0.9	41.3	8.4	62	0.6	22.7	10.1	456	1.87	19.2	2.5	8.3	1.5	85	0.3	0.4	0.2	41	1.02	0.082
1082303	Soil	1.3	45.9	8.2	47	0.2	31.7	10.1	673	2.15	11.0	1.0	2.6	1.6	34	0.2	0.3	0.2	55	0.52	0.076
1082302	Soil	1.1	31.7	14.1	80	<0.1	38.4	13.0	398	3.30	14.8	0.8	3.0	4.7	21	0.3	0.5	0.3	76	0.22	0.024
1082301	Soil	0.8	28.8	11.5	65	<0.1	29.3	11.4	379	2.93	12.9	0.7	7.0	4.3	20	0.2	0.3	0.2	67	0.31	0.060
1082045	Soil	0.8	30.0	5.7	25	0.2	12.4	7.0	155	1.65	6.7	0.3	4.0	0.9	12	0.1	0.2	0.1	41	0.12	0.034
1082048	Soil	0.7	80.4	26.0	80	0.9	34.1	9.8	213	2.36	12.6	3.2	14.5	3.2	45	0.9	0.5	0.4	64	0.60	0.082
1045948	Soil	5.5	31.4	12.2	66	0.2	18.7	8.1	458	3.03	10.4	0.6	3.4	1.3	19	0.6	1.0	0.3	120	0.18	0.046
1045947	Soil	1.9	57.2	11.3	46	0.1	30.6	13.5	395	3.19	12.2	0.7	15.1	2.3	23	0.4	0.6	0.4	66	0.29	0.090
1086963	Soil	0.6	36.2	16.0	75	1.1	16.5	6.9	294	2.25	10.1	5.2	4.6	2.2	37	0.5	0.2	0.3	57	0.41	0.086
1086964	Soil	0.5	16.2	7.3	45	0.5	10.4	4.5	126	1.65	5.5	1.8	3.5	1.7	22	0.1	0.1	0.2	44	0.25	0.062
1086962	Soil	0.4	9.0	3.7	23	0.1	4.3	3.4	92	0.95	4.6	0.5	1.5	0.6	14	0.1	<0.1	<0.1	31	0.17	0.041
1082039	Soil	2.6	38.0	12.3	53	0.2	19.8	11.8	558	2.66	10.4	0.8	3.9	1.0	32	0.5	0.3	0.2	66	0.64	0.058
1082038	Soil	1.9	52.7	46.9	55	0.9	16.5	8.6	460	1.64	6.7	1.1	5.8	0.6	48	1.2	0.6	0.1	35	1.25	0.086
1082037	Soil	2.1	50.8	9.3	45	0.3	22.9	9.4	549	2.17	8.9	0.8	4.3	1.5	43	0.2	0.3	0.2	49	0.92	0.057
1045950	Soil	9.1	32.8	13.2	57	0.1	14.5	11.0	668	2.37	10.7	0.4	2.9	1.3	24	0.7	0.5	0.2	67	0.28	0.051
1045949	Soil	4.8	23.0	12.9	61	0.2	16.5	6.9	224	3.66	11.9	0.4	3.5	2.0	16	0.3	0.8	0.3	93	0.14	0.026
1082042	Soil	2.2	37.1	24.8	37	0.8	14.4	8.7	629	2.12	10.6	0.7	2.8	1.1	29	0.3	0.4	0.2	63	0.30	0.037
1045946	Soil	1.1	150.9	7.1	52	<0.1	79.1	22.1	266	3.04	9.4	0.5	23.1	2.2	22	0.2	0.4	0.4	65	0.24	0.030
1082041	Soil	1.2	32.2	25.2	56	0.2	33.2	12.8	240	2.85	14.6	0.5	1.4	3.1	21	0.6	0.8	0.2	63	0.18	0.036
1082043	Soil	1.9	37.1	27.1	45	0.8	15.7	7.8	443	2.26	11.5	0.7	1.9	1.2	29	0.3	0.4	0.2	66	0.31	0.036
1082040	Soil	1.3	50.8	9.1	42	0.5	33.1	11.2	333	2.59	19.9	0.6	4.5	2.0	33	0.1	0.6	0.2	66	0.64	0.042



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Part 2

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
		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
1086955	Soil	47	24	0.32	108	0.037	1	1.68	0.022	0.08	0.2	0.04	2.8	<0.1	0.05	6	0.7	<0.2
1086953	Soil	73	33	0.40	143	0.033	3	2.25	0.020	0.08	0.2	0.07	4.4	<0.1	0.09	6	0.8	<0.2
1086951	Soil	28	60	0.89	184	0.062	3	2.58	0.023	0.14	0.3	0.04	5.4	0.1	<0.05	7	0.9	<0.2
1086952	Soil	59	22	0.30	95	0.039	2	1.32	0.022	0.07	0.2	0.03	2.6	<0.1	0.07	5	0.7	<0.2
1086954	Soil	13	13	0.17	70	0.039	<1	0.94	0.022	0.05	0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1082047	Soil	6	24	0.25	84	0.036	<1	1.10	0.020	0.05	0.2	0.05	1.8	<0.1	0.05	4	<0.5	<0.2
1082046	Soil	6	24	0.25	66	0.056	1	1.24	0.017	0.05	0.3	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
1082049	Soil	14	14	0.18	71	0.036	2	0.81	0.029	0.06	0.2	0.04	1.4	<0.1	0.06	3	0.8	<0.2
1082044	Soil	8	41	0.49	129	0.072	2	2.00	0.009	0.06	0.4	0.03	2.6	<0.1	<0.05	9	0.7	<0.2
1082050	Soil	32	28	0.38	129	0.032	2	1.65	0.021	0.08	0.1	0.06	3.4	<0.1	0.10	5	1.1	<0.2
1082303	Soil	15	50	0.53	146	0.060	2	1.52	0.018	0.08	<0.1	0.05	2.9	<0.1	0.09	6	0.8	<0.2
1082302	Soil	11	50	0.73	162	0.098	2	2.58	0.013	0.08	0.3	0.03	4.0	0.1	<0.05	7	<0.5	<0.2
1082301	Soil	13	39	0.67	108	0.099	2	1.96	0.013	0.07	0.2	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
1082045	Soil	5	19	0.18	49	0.049	1	1.09	0.020	0.04	0.2	0.03	1.3	<0.1	<0.05	4	0.7	<0.2
1082048	Soil	39	52	0.68	195	0.057	2	2.43	0.017	0.10	0.5	0.08	6.2	0.1	0.09	7	1.2	<0.2
1045948	Soil	7	23	0.24	89	0.064	<1	1.13	0.009	0.05	0.3	0.04	1.6	<0.1	<0.05	8	<0.5	<0.2
1045947	Soil	8	47	0.45	105	0.078	1	2.96	0.014	0.07	0.9	0.07	2.7	<0.1	<0.05	7	0.7	<0.2
1086963	Soil	90	26	0.28	85	0.041	1	2.08	0.019	0.08	0.3	0.06	3.8	<0.1	<0.05	7	<0.5	<0.2
1086964	Soil	39	16	0.18	71	0.050	<1	1.45	0.021	0.06	0.2	0.02	2.0	<0.1	<0.05	6	0.9	<0.2
1086962	Soil	11	9	0.11	36	0.044	<1	0.62	0.020	0.03	0.1	0.01	0.8	<0.1	<0.05	3	<0.5	<0.2
1082039	Soil	7	32	0.43	118	0.063	1	1.55	0.019	0.06	0.8	0.03	2.2	<0.1	<0.05	7	0.8	<0.2
1082038	Soil	9	24	0.37	92	0.031	2	1.21	0.022	0.04	1.1	0.05	1.5	<0.1	0.11	4	1.1	<0.2
1082037	Soil	9	36	0.77	101	0.068	2	1.43	0.035	0.07	3.0	0.03	3.0	0.1	0.05	5	<0.5	<0.2
1045950	Soil	7	24	0.41	133	0.078	<1	1.62	0.018	0.08	4.5	0.01	2.0	0.1	<0.05	8	0.5	<0.2
1045949	Soil	7	29	0.34	111	0.075	<1	1.50	0.010	0.05	0.4	<0.01	1.7	0.1	<0.05	10	0.6	<0.2
1082042	Soil	13	25	0.30	103	0.054	<1	1.18	0.019	0.05	0.4	0.03	2.1	<0.1	<0.05	6	0.6	<0.2
1045946	Soil	6	95	0.97	133	0.110	1	2.85	0.018	0.08	0.5	0.03	3.1	0.1	<0.05	7	0.6	<0.2
1082041	Soil	8	45	0.58	107	0.081	<1	2.16	0.015	0.07	1.2	<0.01	2.9	0.1	<0.05	6	1.0	<0.2
1082043	Soil	13	27	0.34	104	0.056	<1	1.28	0.018	0.06	0.5	0.03	2.3	<0.1	<0.05	6	0.6	<0.2
1082040	Soil	10	59	0.90	86	0.060	<1	1.69	0.022	0.07	0.6	0.02	3.7	<0.1	<0.05	6	0.8	<0.2



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Part 1

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
		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
1086906	Soil	3.8	75.5	37.8	469	2.6	87.2	13.9	461	4.13	122.9	10.4	19.2	2.3	22	4.3	3.7	0.3	174	0.23
1086908	Soil	1.6	46.8	14.0	105	0.1	44.8	15.8	660	3.46	49.6	0.9	4.8	3.6	11	0.3	3.0	0.3	70	0.14
1086904	Soil	9.6	59.6	27.9	397	0.6	77.7	10.4	336	3.76	55.3	3.9	3.6	1.1	28	2.1	7.6	0.3	250	0.16
1086909	Soil	2.0	41.6	12.1	84	<0.1	29.4	7.9	319	3.88	53.9	0.8	2.0	2.3	8	0.2	2.6	0.3	82	0.08
1086903	Soil	6.4	68.5	11.9	286	0.6	59.9	12.0	555	3.26	40.3	6.6	2.2	0.5	29	3.0	5.2	0.3	236	0.16
1086956	Soil	0.9	38.9	18.4	63	1.0	19.2	7.3	373	2.17	21.0	4.4	3.7	1.6	52	0.3	0.4	0.4	50	0.63
1086901	Soil	3.0	43.2	27.7	137	0.4	37.3	11.5	881	4.13	108.8	1.1	5.6	2.1	22	0.5	3.0	0.3	90	0.14
1080100	Soil	3.2	30.2	23.9	80	0.2	22.4	7.9	287	4.34	31.9	0.7	6.4	2.0	11	0.3	1.6	0.3	101	0.12
1086905	Soil	5.5	83.0	42.2	510	1.0	119.6	20.3	805	5.36	529.7	5.1	51.9	6.2	27	7.6	13.6	0.4	181	0.28
1086910	Soil	2.1	46.8	13.8	103	0.2	43.4	13.8	514	4.20	34.2	1.0	2.3	2.6	9	0.2	3.7	0.3	76	0.16
1086961	Soil	0.5	16.5	5.4	38	0.3	8.5	4.5	135	1.65	6.9	1.1	3.5	1.2	19	0.2	0.2	0.1	47	0.23
1086960	Soil	0.6	14.3	6.8	39	0.3	8.6	5.5	251	1.48	5.4	1.2	3.2	1.1	18	0.2	0.1	0.2	39	0.22
1086958	Soil	0.6	42.6	11.3	53	0.9	15.2	7.9	359	2.15	16.3	2.4	1.7	1.7	33	0.4	0.2	0.2	65	0.48
1086959	Soil	0.7	39.4	13.4	71	1.6	18.1	5.9	263	1.78	28.2	4.9	6.4	2.1	46	0.5	0.3	0.2	40	0.76
1086957	Soil	0.4	27.9	9.0	46	1.0	13.1	5.4	230	1.67	24.4	2.9	3.1	1.2	36	0.2	0.2	0.2	46	0.51
1086915	Soil	1.4	41.8	27.1	99	0.1	42.3	18.5	377	4.49	36.1	0.9	4.5	4.3	13	0.6	1.6	0.3	63	0.15
1086914	Soil	2.7	49.2	16.2	63	0.1	19.3	9.3	531	4.42	19.8	0.5	<0.5	2.2	20	0.3	1.4	0.3	88	0.19
1086913	Soil	3.1	36.7	9.2	61	0.1	16.7	6.0	361	2.19	21.3	0.7	4.5	0.5	15	0.3	1.6	0.2	60	0.16
1086912	Soil	2.8	47.5	17.1	100	0.2	26.2	9.1	301	4.40	36.9	1.2	8.3	3.4	19	0.3	1.6	0.3	100	0.16
1086911	Soil	2.3	62.4	11.2	141	0.9	40.0	9.1	513	3.04	28.1	2.7	4.0	2.2	27	1.0	1.8	0.2	112	0.60
1086919	Soil	1.6	40.7	20.7	97	0.2	38.6	14.8	330	4.24	27.4	0.8	5.3	2.9	14	0.4	1.7	0.5	70	0.21
1086920	Soil	1.4	39.0	15.5	95	0.2	37.9	13.5	612	3.63	23.0	1.4	4.6	4.1	22	0.4	1.2	0.2	60	0.27
1086918	Soil	1.3	41.2	18.2	101	0.4	28.3	11.9	508	3.35	56.0	1.2	3.7	3.7	24	0.2	2.2	0.3	65	0.51
1086917	Soil	0.5	32.2	7.1	41	0.1	17.1	8.3	263	2.34	5.9	0.8	2.3	1.3	36	0.3	0.4	0.1	51	0.67
1086916	Soil	1.5	23.0	15.6	65	0.2	26.5	10.9	393	3.37	19.0	1.0	5.1	1.9	23	0.8	1.3	0.2	68	1.27
1086907	Soil	2.5	34.9	15.0	94	<0.1	26.1	9.0	398	4.22	63.4	1.0	2.6	2.2	17	0.2	1.8	0.3	86	0.20
1086902	Soil	6.1	49.5	15.8	140	0.9	34.1	10.4	574	4.09	40.5	5.0	2.0	0.5	15	0.9	3.0	0.3	187	0.11
1080099	Soil	2.7	43.0	13.4	73	0.4	27.1	7.5	214	3.73	75.4	1.1	3.0	1.1	10	0.2	2.6	0.3	78	0.09
1086922	Soil	1.0	29.7	57.3	113	0.3	25.0	10.2	1023	2.77	35.1	0.5	5.5	5.1	13	0.3	1.0	0.6	59	0.29
1086921	Soil	1.9	25.6	13.4	67	<0.1	27.0	10.0	312	3.79	16.6	0.6	4.1	2.8	13	0.3	1.0	0.3	77	0.14



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Part 2

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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
1086906	Soil	19	55	0.77	585	0.020	<1	2.49	0.007	0.10	0.2	0.08	5.8	<0.1	<0.05	8	2.5	0.2
1086908	Soil	11	38	0.62	167	0.081	1	1.87	0.007	0.21	0.1	0.03	3.0	0.2	<0.05	6	0.9	<0.2
1086904	Soil	12	44	0.61	664	0.038	<1	1.86	0.007	0.05	0.4	0.06	2.2	0.2	<0.05	8	1.7	<0.2
1086909	Soil	11	35	0.47	117	0.059	<1	1.59	0.005	0.14	<0.1	0.01	2.3	0.1	<0.05	7	0.5	<0.2
1086903	Soil	12	35	0.47	940	0.036	4	1.78	0.011	0.06	0.3	0.12	1.5	0.2	0.09	6	2.7	<0.2
1086956	Soil	90	28	0.33	112	0.047	2	1.93	0.020	0.10	0.2	0.07	3.5	<0.1	<0.05	7	0.8	<0.2
1086901	Soil	10	42	0.44	248	0.072	1	1.31	0.007	0.12	0.1	0.03	2.0	0.1	0.07	6	1.4	<0.2
1080100	Soil	9	33	0.37	126	0.095	2	1.37	0.008	0.10	0.1	0.05	1.8	0.1	<0.05	10	0.7	<0.2
1086905	Soil	23	33	0.77	1313	0.013	2	1.70	0.004	0.09	0.2	0.02	3.9	0.1	<0.05	6	1.8	0.3
1086910	Soil	11	43	0.61	177	0.071	<1	1.82	0.005	0.28	<0.1	0.02	2.3	0.2	<0.05	7	0.6	<0.2
1086961	Soil	18	13	0.16	72	0.059	2	1.00	0.020	0.05	0.1	0.03	1.4	<0.1	<0.05	5	0.6	<0.2
1086960	Soil	20	14	0.18	58	0.053	1	0.99	0.024	0.04	0.2	0.02	1.4	<0.1	<0.05	4	0.6	<0.2
1086958	Soil	38	19	0.23	87	0.067	2	1.43	0.021	0.06	0.2	0.04	2.0	<0.1	0.06	5	0.5	<0.2
1086959	Soil	83	25	0.25	115	0.034	<1	2.09	0.024	0.09	0.3	0.08	3.6	<0.1	0.06	6	0.6	<0.2
1086957	Soil	49	17	0.20	92	0.047	1	1.51	0.028	0.06	0.2	0.04	2.3	<0.1	<0.05	5	0.6	<0.2
1086915	Soil	12	40	0.83	152	0.099	2	3.09	0.008	0.28	0.1	0.05	3.8	0.2	<0.05	7	0.6	<0.2
1086914	Soil	9	29	0.36	111	0.095	<1	1.39	0.006	0.09	0.1	0.02	2.0	0.1	<0.05	8	0.8	<0.2
1086913	Soil	8	21	0.27	91	0.042	1	1.01	0.007	0.08	<0.1	0.03	1.1	<0.1	0.08	5	<0.5	<0.2
1086912	Soil	12	35	0.43	209	0.092	<1	1.79	0.007	0.12	0.1	0.02	2.3	0.2	<0.05	8	0.7	<0.2
1086911	Soil	12	37	0.51	315	0.062	1	1.49	0.015	0.10	0.2	0.03	2.7	0.1	0.07	6	1.1	<0.2
1086919	Soil	11	34	0.65	112	0.074	2	2.14	0.007	0.08	0.1	0.04	2.6	<0.1	<0.05	7	0.9	<0.2
1086920	Soil	21	39	0.91	198	0.080	<1	2.08	0.010	0.17	0.1	0.03	4.0	0.1	<0.05	6	0.9	<0.2
1086918	Soil	15	41	0.89	122	0.083	<1	1.86	0.008	0.16	0.2	0.04	3.7	0.2	0.06	7	0.8	<0.2
1086917	Soil	9	22	0.31	67	0.073	2	1.00	0.016	0.06	<0.1	0.03	1.9	<0.1	0.08	4	1.4	<0.2
1086916	Soil	14	32	0.37	127	0.047	<1	2.29	0.009	0.04	0.2	0.05	3.4	0.1	0.05	6	<0.5	<0.2
1086907	Soil	10	37	0.46	158	0.077	1	1.47	0.007	0.11	0.1	0.04	2.2	0.1	<0.05	9	<0.5	<0.2
1086902	Soil	11	46	0.39	312	0.030	2	1.80	0.007	0.05	0.2	0.10	1.7	0.2	0.08	8	3.0	<0.2
1080099	Soil	10	33	0.33	146	0.044	<1	1.34	0.006	0.10	0.1	0.06	1.8	0.1	<0.05	6	1.3	<0.2
1086922	Soil	18	40	2.22	155	0.123	<1	2.66	0.009	0.07	0.1	0.02	3.9	0.2	<0.05	8	<0.5	<0.2
1086921	Soil	9	33	0.47	111	0.084	<1	1.92	0.008	0.07	0.1	0.04	2.6	<0.1	<0.05	7	0.5	<0.2



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Part 1

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			
					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
1082225	Soil				0.9	35.3	8.8	73	0.1	35.9	17.6	453	4.06	14.1	0.5	4.7	3.4	13	0.2	0.5	0.1	88	0.27	0.064
1082226	Soil				1.0	36.0	8.9	74	0.2	36.5	17.4	453	4.04	14.5	0.6	5.0	3.7	14	0.2	0.5	0.2	88	0.26	0.066
1082227	Soil				1.4	32.9	11.4	62	0.1	36.5	15.8	372	4.32	36.9	0.7	3.5	4.0	15	0.2	0.6	0.3	79	0.21	0.054
1082231	Soil				1.1	36.7	8.3	69	<0.1	44.6	19.5	284	4.38	9.3	0.6	0.6	3.5	18	<0.1	0.3	0.2	97	0.41	0.136
1082234	Soil				1.6	66.6	12.7	54	0.3	23.6	7.6	199	3.57	23.3	0.7	14.7	2.6	15	<0.1	0.5	0.8	80	0.12	0.041
1086925	Soil				1.0	35.9	49.7	116	0.4	38.9	11.9	565	3.01	51.8	0.9	7.4	3.6	18	0.5	2.2	1.0	62	0.37	0.071
1082228	Soil				0.7	31.7	8.8	65	0.3	42.7	15.9	384	3.53	14.9	0.5	3.0	2.7	21	0.2	0.5	0.1	69	0.30	0.073
1082229	Soil				1.1	30.2	9.7	71	0.1	36.0	14.2	422	3.74	19.9	0.7	4.0	3.1	24	0.4	0.6	0.2	66	0.35	0.078
1082230	Soil				1.5	31.1	11.7	64	0.2	42.5	15.0	363	4.10	26.2	0.7	7.0	3.9	17	0.3	0.7	0.2	78	0.21	0.054
1082232	Soil				0.6	20.8	3.5	25	<0.1	10.8	5.6	124	1.86	64.4	0.3	7.3	0.7	16	<0.1	0.2	0.2	47	0.17	0.060
1086926	Soil				4.1	65.7	34.9	344	0.6	67.8	17.4	821	3.37	37.9	2.8	5.1	3.4	24	1.7	2.6	0.7	146	0.28	0.091
1086924	Soil				0.8	25.5	61.4	109	0.4	21.7	6.6	1396	2.27	34.1	0.7	1.6	4.0	20	1.4	1.9	1.6	33	0.33	0.049
1086927	Soil				5.5	91.3	23.0	470	1.3	82.7	13.4	874	2.51	26.1	2.5	3.7	1.6	34	4.5	2.6	1.1	158	0.66	0.090
1086928	Soil				2.7	33.2	13.4	65	0.3	15.1	4.8	119	2.81	13.4	0.9	2.2	2.6	22	0.3	1.0	0.3	67	0.16	0.051
1086923	Soil				0.8	26.5	64.3	110	0.4	21.4	7.1	1365	2.27	33.2	0.7	2.3	3.9	19	1.3	1.8	1.7	34	0.33	0.046
1080251	Soil				0.9	60.2	10.4	70	0.3	36.8	14.1	425	3.11	33.1	0.9	44.3	3.9	17	0.2	0.7	0.8	72	0.22	0.054
1080258	Soil				2.0	58.6	16.4	70	0.9	27.5	10.4	475	3.47	45.8	1.1	25.9	4.0	22	0.4	0.6	0.4	103	0.30	0.068
1080260	Soil				1.6	50.0	16.3	93	0.3	36.3	15.4	708	3.53	26.9	0.9	5.9	4.7	23	0.3	0.7	0.3	89	0.32	0.073
1080256	Soil				1.3	54.1	12.5	87	0.3	19.4	17.0	487	4.72	44.5	0.7	6.5	2.6	25	0.2	0.7	0.4	118	0.37	0.046
1080254	Soil				2.1	49.8	9.2	43	0.1	14.7	7.2	170	3.39	17.2	0.6	2.9	2.0	19	<0.1	0.8	0.4	93	0.16	0.033
1082237	Soil				0.9	86.4	9.8	62	0.3	43.6	17.0	312	3.22	32.5	0.7	20.9	3.8	20	0.3	0.6	0.8	68	0.22	0.045
1080252	Soil				1.6	43.6	15.8	56	0.3	24.8	14.5	315	3.73	29.3	0.7	7.9	3.0	19	0.2	0.9	0.5	78	0.19	0.044
1080255	Soil				1.3	97.5	13.6	95	0.3	17.9	24.0	615	4.46	116.1	0.6	12.1	2.1	67	0.3	0.7	0.6	70	0.63	0.082
1080257	Soil				1.6	31.8	29.9	80	0.2	26.2	12.0	410	3.57	32.8	0.8	7.3	4.0	17	0.4	0.9	0.4	68	0.18	0.045
1080259	Soil				2.1	25.1	16.5	71	0.3	20.4	10.0	351	3.86	22.4	0.6	1.6	2.7	18	0.2	1.0	0.4	96	0.14	0.035
1082233	Soil				1.3	76.6	12.2	75	0.2	45.9	23.7	800	5.15	921.1	1.2	99.9	6.4	29	0.4	4.3	3.4	85	0.27	0.066
1082236	Soil				1.4	53.7	13.4	67	0.2	28.1	10.9	324	4.15	22.9	0.7	3.9	3.1	17	0.2	0.7	0.4	95	0.16	0.040
1082235	Soil				1.2	74.4	11.7	68	0.4	39.5	17.2	359	3.17	24.7	0.8	5.8	3.8	18	0.4	0.6	0.4	73	0.22	0.054
1082238	Soil				0.8	87.4	9.3	63	0.3	41.6	16.6	319	3.11	31.2	0.7	20.2	3.7	21	0.4	0.6	0.8	66	0.24	0.048
1082239	Soil				2.4	28.3	14.4	41	0.4	16.0	5.8	139	2.55	15.4	0.7	7.6	2.7	15	0.2	1.0	0.5	83	0.11	0.018



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Part 2

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
		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
1082225	Soil	9	38	0.76	210	0.143	2	2.47	0.014	0.25	0.3	0.04	3.8	0.2	<0.05	7	<0.5	<0.2
1082226	Soil	9	40	0.80	212	0.148	2	2.59	0.022	0.26	0.3	0.04	4.1	0.2	<0.05	7	<0.5	<0.2
1082227	Soil	9	45	0.63	147	0.113	<1	2.67	0.012	0.13	0.3	0.06	3.4	0.1	<0.05	8	<0.5	<0.2
1082231	Soil	9	70	1.10	181	0.164	<1	2.90	0.020	0.46	0.2	0.04	4.7	0.2	<0.05	10	<0.5	<0.2
1082234	Soil	9	37	0.41	101	0.110	<1	1.46	0.009	0.16	0.3	0.03	2.4	0.2	<0.05	7	0.8	0.2
1086925	Soil	12	43	0.88	165	0.074	<1	1.55	0.012	0.12	0.1	0.03	3.1	0.1	<0.05	5	<0.5	<0.2
1082228	Soil	9	51	0.84	206	0.096	1	2.57	0.015	0.11	0.2	0.04	3.3	0.1	<0.05	6	<0.5	<0.2
1082229	Soil	11	44	0.67	211	0.073	1	2.34	0.011	0.11	0.2	0.04	3.3	<0.1	<0.05	6	<0.5	<0.2
1082230	Soil	9	44	0.58	141	0.109	<1	2.44	0.011	0.08	0.2	0.04	3.2	<0.1	<0.05	8	<0.5	<0.2
1082232	Soil	4	14	0.19	65	0.070	1	0.93	0.019	0.05	0.1	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1086926	Soil	15	49	0.87	170	0.081	2	2.05	0.013	0.08	0.3	0.06	3.6	0.2	0.05	7	1.7	<0.2
1086924	Soil	12	19	1.41	177	0.065	1	1.63	0.011	0.08	0.1	0.02	2.0	0.2	<0.05	4	1.0	<0.2
1086927	Soil	14	32	0.73	208	0.047	2	1.38	0.018	0.06	0.5	0.07	2.8	0.1	0.08	4	3.5	<0.2
1086928	Soil	10	29	0.29	82	0.074	2	1.92	0.016	0.05	0.2	0.05	1.6	0.1	<0.05	8	0.7	<0.2
1086923	Soil	12	20	1.35	175	0.066	1	1.57	0.011	0.08	0.1	0.01	1.9	0.2	<0.05	4	<0.5	<0.2
1080251	Soil	11	47	0.75	145	0.113	2	2.12	0.013	0.21	0.8	0.02	3.5	0.2	<0.05	6	<0.5	0.2
1080258	Soil	15	39	0.61	220	0.096	2	2.22	0.015	0.16	0.2	0.08	3.9	0.1	<0.05	9	<0.5	<0.2
1080260	Soil	14	45	0.77	142	0.112	<1	1.99	0.014	0.17	0.3	0.03	3.7	<0.1	<0.05	7	<0.5	<0.2
1080256	Soil	11	34	1.13	126	0.212	2	2.40	0.017	0.15	0.4	0.02	5.0	0.2	<0.05	10	<0.5	<0.2
1080254	Soil	9	25	0.27	79	0.110	<1	1.44	0.010	0.04	0.3	0.03	2.2	<0.1	<0.05	8	0.7	<0.2
1082237	Soil	9	42	0.60	128	0.129	1	2.58	0.016	0.15	0.8	0.04	3.3	0.1	<0.05	6	0.5	0.3
1080252	Soil	10	36	0.53	93	0.114	2	2.20	0.011	0.09	1.3	0.04	3.1	0.1	<0.05	7	<0.5	<0.2
1080255	Soil	11	25	1.27	117	0.121	1	2.62	0.084	0.15	0.5	0.04	2.8	0.2	<0.05	9	<0.5	<0.2
1080257	Soil	11	32	0.57	89	0.087	<1	2.04	0.011	0.09	0.4	0.04	2.9	0.1	<0.05	7	<0.5	<0.2
1080259	Soil	9	32	0.39	108	0.084	<1	1.83	0.016	0.05	0.2	0.02	2.3	<0.1	<0.05	9	<0.5	<0.2
1082233	Soil	15	59	1.22	210	0.146	<1	2.84	0.012	0.28	2.1	0.02	5.1	0.2	<0.05	11	<0.5	0.6
1082236	Soil	10	47	0.59	94	0.151	2	1.77	0.010	0.15	0.3	0.03	2.6	0.2	<0.05	9	<0.5	<0.2
1082235	Soil	10	44	0.66	147	0.121	1	2.20	0.012	0.20	0.3	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
1082238	Soil	10	43	0.63	136	0.130	1	2.56	0.016	0.16	0.9	0.03	3.5	0.1	<0.05	6	<0.5	0.3
1082239	Soil	10	25	0.25	85	0.065	<1	1.47	0.006	0.05	0.2	0.03	1.9	0.1	<0.05	8	<0.5	<0.2



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Part 1

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 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
1080271	Soil	3.1	31.2	38.4	110	0.7	198.0	21.6	402	5.46	33.4	0.7	1.9	3.7	28	0.3	0.8	0.3	104	0.27	0.039
1046822	Soil	1.3	24.0	18.4	100	<0.1	27.2	11.4	490	3.29	10.9	0.8	1.6	2.8	21	0.2	0.5	0.3	75	0.21	0.040
1046825	Soil	1.5	21.1	14.5	62	<0.1	22.9	8.9	331	3.52	12.2	0.9	3.3	3.5	17	0.2	0.7	0.3	86	0.16	0.038
1046828	Soil	0.6	21.9	12.9	66	<0.1	29.7	10.4	444	2.65	7.9	1.2	2.5	9.6	19	0.3	0.4	0.3	57	0.23	0.029
1046832	Soil	1.2	28.7	11.2	64	0.1	38.6	14.1	478	3.59	9.3	1.0	2.4	6.6	28	0.3	0.7	0.2	76	0.31	0.073
1080266	Soil	10.0	63.5	27.9	84	0.2	28.3	19.1	590	4.64	12.3	2.2	11.3	9.3	39	0.4	0.6	0.6	84	0.23	0.069
1080267	Soil	6.1	30.2	15.2	37	0.1	15.2	10.3	274	3.48	8.3	1.4	0.8	5.0	39	0.1	0.5	0.4	85	0.12	0.071
1080268	Soil	2.8	29.7	11.3	36	0.2	14.3	6.0	162	3.70	12.3	0.5	2.7	2.1	22	0.1	0.8	0.3	98	0.16	0.031
1080269	Soil	2.3	26.8	14.0	45	0.1	14.3	7.1	273	3.23	11.9	0.6	0.8	2.6	18	0.2	0.8	0.3	82	0.15	0.030
1080270	Soil	4.7	22.6	11.1	38	0.2	18.0	7.2	224	3.10	8.1	1.1	<0.5	3.7	35	0.3	0.5	0.4	79	0.17	0.054
1080262	Soil	3.1	34.0	23.3	61	1.5	19.4	10.8	471	4.30	19.5	0.7	3.4	3.1	26	0.5	0.7	0.4	90	0.24	0.039
1080261	Soil	1.7	34.5	14.7	78	0.2	37.5	13.8	336	4.78	40.9	0.8	26.4	3.9	19	0.4	0.8	0.4	95	0.21	0.077
1080264	Soil	3.2	131.2	26.7	80	1.4	23.7	32.4	723	5.34	10.4	1.2	7.4	4.3	38	0.9	0.6	0.5	101	0.35	0.091
1080263	Soil	1.7	57.8	26.8	90	1.1	34.5	21.5	562	4.55	16.1	1.0	9.7	4.8	21	1.0	0.6	0.4	86	0.20	0.064
1080265	Soil	4.0	66.4	20.0	70	0.1	36.5	21.2	579	3.79	12.8	1.1	3.7	5.7	22	0.3	0.7	0.3	81	0.23	0.048
1046809	Soil	0.8	34.2	12.4	63	0.2	22.1	8.9	339	2.33	11.0	0.8	4.6	1.8	14	0.2	0.3	0.3	62	0.16	0.052
1046806	Soil	0.7	31.3	18.4	91	<0.1	34.7	12.6	410	3.17	8.0	1.1	5.2	4.0	19	0.3	0.4	0.3	68	0.29	0.051
1046808	Soil	0.6	29.8	30.7	115	0.2	26.8	10.1	374	2.98	8.1	1.5	6.6	4.1	23	0.5	0.3	0.7	64	0.29	0.059
1046810	Soil	1.8	24.1	13.8	61	0.2	26.4	7.8	278	3.08	18.3	1.1	6.6	2.5	12	0.1	0.7	0.3	74	0.14	0.039
1046831	Soil	1.6	16.7	10.8	53	<0.1	14.5	6.3	175	3.04	7.4	0.5	2.5	1.8	13	0.2	0.5	0.2	75	0.13	0.036
1046803	Soil	1.9	28.2	11.7	61	<0.1	13.9	6.6	257	2.45	7.1	0.6	3.8	1.0	17	0.3	0.7	0.3	72	0.15	0.033
1046805	Soil	0.4	37.9	34.7	103	0.1	35.2	11.4	316	3.17	4.3	1.4	3.4	3.5	26	0.1	0.2	0.4	58	0.35	0.038
1046804	Soil	0.4	37.3	35.8	99	0.1	34.6	10.5	289	3.10	4.5	1.4	<0.5	3.6	24	0.1	0.2	0.4	58	0.35	0.037
1046807	Soil	0.8	21.8	28.8	105	<0.1	19.4	7.8	498	2.26	7.0	1.4	3.4	1.9	20	0.3	0.4	0.4	52	0.23	0.051
1046801	Soil	1.8	21.1	17.4	63	0.1	21.5	8.4	277	3.62	12.0	0.8	1.5	2.7	14	0.3	0.7	0.2	76	0.15	0.031
1046834	Soil	0.8	24.9	10.2	56	<0.1	27.2	11.5	378	2.91	8.9	0.8	3.2	6.7	16	0.3	0.3	0.3	59	0.21	0.031
1046823	Soil	0.8	22.4	13.5	63	<0.1	32.4	14.3	452	3.40	8.9	0.8	1.9	4.4	23	0.3	0.3	0.2	66	0.26	0.045
1046821	Soil	0.9	29.7	6.8	47	<0.1	10.9	7.1	285	2.25	4.0	0.4	0.7	0.5	11	0.1	0.3	0.1	70	0.12	0.046
1046829	Soil	2.1	24.1	17.7	76	0.1	22.9	8.6	326	3.70	11.2	0.8	<0.5	2.0	15	0.2	0.6	0.3	84	0.16	0.038
1046802	Soil	0.6	25.1	14.3	83	<0.1	28.6	11.2	475	3.16	7.6	1.1	0.9	4.1	17	0.4	0.4	0.2	60	0.22	0.028



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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
1080271	Soil	8	370	2.74	133	0.189	1	4.03	0.018	0.09	0.3	0.04	5.6	0.2	<0.05	12	<0.5
1046822	Soil	13	36	0.68	112	0.115	3	2.28	0.014	0.08	0.1	0.04	3.0	0.1	<0.05	8	<0.5
1046825	Soil	11	36	0.52	88	0.090	2	2.16	0.010	0.06	0.1	0.04	2.6	0.1	<0.05	9	<0.5
1046828	Soil	15	34	0.62	129	0.110	2	2.14	0.016	0.07	0.2	0.02	2.8	<0.1	<0.05	6	<0.5
1046832	Soil	13	50	0.99	168	0.133	3	2.98	0.019	0.09	0.1	0.03	3.7	0.1	<0.05	7	<0.5
1080266	Soil	22	41	0.57	145	0.084	<1	1.92	0.039	0.15	0.3	0.02	3.5	0.1	0.17	9	0.7
1080267	Soil	15	24	0.45	219	0.100	<1	1.19	0.079	0.20	0.2	0.01	2.8	0.1	0.36	7	<0.5
1080268	Soil	8	30	0.36	112	0.097	<1	1.58	0.013	0.04	0.1	0.01	2.3	0.1	<0.05	9	<0.5
1080269	Soil	9	26	0.32	88	0.088	<1	1.48	0.009	0.05	0.2	0.01	1.8	<0.1	<0.05	9	<0.5
1080270	Soil	11	36	0.48	92	0.122	2	1.56	0.022	0.08	0.1	0.02	2.4	<0.1	0.05	8	<0.5
1080262	Soil	14	40	0.54	102	0.083	2	2.14	0.010	0.08	0.1	0.05	2.5	0.1	<0.05	9	<0.5
1080261	Soil	9	56	0.77	120	0.148	1	2.85	0.012	0.09	0.4	0.03	3.4	0.1	<0.05	8	<0.5
1080264	Soil	14	39	0.77	115	0.168	1	2.10	0.027	0.13	0.2	0.02	5.9	0.1	0.10	10	1.4
1080263	Soil	11	49	0.73	118	0.103	3	3.18	0.014	0.08	0.2	0.04	5.1	0.1	<0.05	8	<0.5
1080265	Soil	16	41	0.59	135	0.097	1	2.49	0.015	0.09	0.1	0.02	3.6	0.1	<0.05	7	<0.5
1046809	Soil	11	34	0.49	57	0.055	2	1.39	0.013	0.07	0.1	0.04	1.7	<0.1	<0.05	6	<0.5
1046806	Soil	21	52	0.63	103	0.118	3	2.10	0.016	0.10	0.2	<0.01	3.6	0.1	<0.05	7	<0.5
1046808	Soil	26	42	0.58	74	0.094	2	1.84	0.012	0.06	0.2	0.02	3.3	<0.1	<0.05	7	<0.5
1046810	Soil	12	43	0.45	58	0.083	2	1.88	0.010	0.06	0.2	0.06	2.4	<0.1	<0.05	8	<0.5
1046831	Soil	7	24	0.27	78	0.068	<1	1.20	0.012	0.03	0.1	0.03	1.4	<0.1	<0.05	7	<0.5
1046803	Soil	9	20	0.21	76	0.062	2	1.11	0.011	0.04	0.1	0.02	1.2	<0.1	<0.05	8	0.6
1046805	Soil	27	63	0.71	59	0.070	1	1.98	0.018	0.06	0.1	0.02	5.0	<0.1	<0.05	8	0.9
1046804	Soil	29	63	0.75	60	0.072	1	2.13	0.018	0.06	0.1	0.01	5.3	<0.1	<0.05	8	<0.5
1046807	Soil	34	31	0.37	64	0.061	3	1.32	0.013	0.07	0.2	0.03	2.3	<0.1	<0.05	6	<0.5
1046801	Soil	14	33	0.37	84	0.082	<1	2.12	0.011	0.05	<0.1	0.02	2.4	<0.1	<0.05	8	0.6
1046834	Soil	10	35	0.52	113	0.099	2	2.35	0.013	0.06	0.2	0.02	2.7	<0.1	<0.05	5	<0.5
1046823	Soil	13	37	0.63	119	0.129	2	2.58	0.016	0.08	0.2	0.02	3.3	<0.1	<0.05	6	<0.5
1046821	Soil	6	15	0.23	45	0.080	2	0.88	0.013	0.03	<0.1	0.03	0.9	<0.1	<0.05	5	<0.5
1046829	Soil	10	34	0.41	114	0.073	1	1.88	0.012	0.05	0.2	0.02	2.2	<0.1	<0.05	9	<0.5
1046802	Soil	28	44	0.56	124	0.109	2	2.24	0.016	0.07	0.2	<0.01	3.6	<0.1	<0.05	7	<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
		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
1046817	Soil	1.2	24.4	10.1	63	<0.1	20.6	9.1	328	3.62	9.4	0.9	1.7	2.9	18	0.2	0.3	0.2	69	0.21
1046819	Soil	0.8	25.5	13.9	72	<0.1	28.4	12.8	451	3.25	7.9	1.3	1.9	6.5	16	0.2	0.4	0.2	64	0.19
1046812	Soil	1.1	19.3	15.0	68	<0.1	21.9	8.4	352	2.36	7.2	1.9	1.1	7.7	11	0.1	0.4	0.3	54	0.14
1046816	Soil	0.7	16.3	17.2	79	<0.1	21.1	10.9	499	3.16	6.4	1.8	<0.5	10.3	16	0.2	0.3	0.3	58	0.24
1046814	Soil	1.1	17.8	17.9	63	<0.1	19.0	7.8	408	2.55	7.4	1.7	2.1	7.4	12	0.2	0.4	0.3	57	0.14
1046820	Soil	2.5	20.9	19.4	76	0.2	20.2	8.9	422	3.83	8.6	0.9	0.7	2.1	12	0.3	0.7	0.3	83	0.11
1046830	Soil	1.8	23.9	15.1	77	<0.1	19.9	7.3	371	3.56	9.0	0.8	0.7	1.6	16	0.3	0.7	0.3	79	0.17
1046813	Soil	1.1	19.8	24.7	79	<0.1	19.6	8.2	423	2.56	9.2	2.5	1.4	5.0	12	0.3	0.5	0.3	55	0.13
1046811	Soil	0.5	14.0	19.3	70	<0.1	14.2	6.2	416	1.93	5.4	2.6	6.5	10.8	10	0.3	0.3	0.3	40	0.14
1046815	Soil	0.8	15.6	17.0	64	<0.1	17.4	7.6	313	2.21	6.6	1.3	3.6	5.4	13	0.3	0.3	0.2	47	0.19
1046833	Soil	0.7	21.4	14.4	63	<0.1	29.0	12.1	418	3.02	7.5	1.3	4.2	9.0	17	0.2	0.4	0.2	60	0.24
1046827	Soil	0.6	16.9	11.4	65	<0.1	28.7	11.7	562	3.14	5.0	2.6	1.8	5.9	23	<0.1	0.3	0.1	56	0.33
1046824	Soil	1.1	25.3	12.8	68	<0.1	31.4	13.0	545	3.46	10.2	1.2	1.4	6.0	15	0.2	0.5	0.2	65	0.17
1046826	Soil	2.1	33.3	14.0	76	<0.1	21.5	9.1	566	3.41	9.6	1.1	1.7	2.2	15	0.3	0.6	0.4	67	0.14
1046818	Soil	2.1	24.2	11.9	71	0.2	24.4	10.8	391	3.75	11.6	0.8	1.7	2.1	14	0.2	0.6	0.2	74	0.15
1039582	Soil	0.8	26.6	9.3	59	0.2	38.7	16.1	287	3.21	10.5	0.5	2.0	2.4	16	0.3	0.5	0.1	64	0.20
1039586	Soil	4.3	24.4	13.3	137	0.1	17.6	12.9	1414	7.17	6.6	2.1	<0.5	16.2	55	0.1	0.2	0.7	79	0.55
1039571	Soil	1.3	42.9	25.7	66	0.1	29.9	11.7	341	3.35	13.4	1.1	6.8	5.2	19	0.5	0.5	0.6	70	0.24
1039580	Soil	1.2	33.6	11.9	71	0.5	41.7	12.3	288	3.42	12.5	0.7	2.9	2.9	16	0.3	0.5	0.3	75	0.17
1039584	Soil	1.6	24.5	12.9	60	0.2	29.0	10.9	251	3.49	12.7	0.7	8.3	3.0	17	0.4	0.7	0.3	77	0.21
1039585	Soil	2.1	27.8	11.9	67	<0.1	29.1	10.7	253	3.83	12.0	0.7	<0.5	3.1	17	0.3	0.6	0.2	73	0.18
1039583	Soil	2.0	36.4	14.2	78	0.5	44.7	14.3	265	3.61	13.7	0.8	2.6	3.2	17	0.4	0.7	0.2	91	0.19
1039570	Soil	2.7	84.4	16.6	83	0.2	32.0	11.5	332	4.13	20.6	1.4	11.7	2.4	28	0.3	0.7	2.7	103	0.26
1039587	Soil	2.0	20.1	13.1	51	<0.1	25.9	10.6	258	3.55	11.7	0.9	1.4	6.8	15	<0.1	0.7	0.3	79	0.14
1039592	Soil	1.3	37.6	16.7	80	<0.1	34.7	14.4	525	3.47	13.0	2.4	2.8	27.1	22	<0.1	0.5	0.5	74	0.23
1039591	Soil	1.6	20.5	12.9	82	<0.1	21.2	11.1	511	3.17	8.4	3.1	1.1	20.3	24	<0.1	0.4	0.3	64	0.32
1039588	Soil	6.2	24.2	46.4	92	0.7	21.1	9.5	355	4.10	11.5	1.3	1.2	3.7	58	0.2	0.8	1.4	92	0.23
1039590	Soil	5.3	23.6	14.9	78	<0.1	25.2	11.4	359	3.94	12.4	1.7	2.1	9.4	32	<0.1	0.4	0.4	88	0.32
1039589	Soil	5.8	19.8	15.4	71	<0.1	16.4	9.6	334	3.10	7.1	1.1	2.1	5.3	37	<0.1	0.3	0.4	74	0.26
1039581	Soil	1.0	47.0	16.3	112	0.3	41.6	17.3	505	3.43	12.1	0.6	2.9	3.1	23	0.8	0.5	0.2	93	0.28



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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
1046817	Soil	12	32	0.53	77	0.113	1	2.13	0.011	0.06	0.2	0.05	2.4	<0.1	<0.05	7	<0.5
1046819	Soil	17	33	0.63	105	0.141	2	2.66	0.015	0.10	0.2	0.03	3.1	0.1	<0.05	7	<0.5
1046812	Soil	25	27	0.39	58	0.079	1	1.86	0.010	0.04	0.2	0.01	2.1	<0.1	<0.05	6	0.6
1046816	Soil	35	31	0.61	83	0.131	1	2.34	0.010	0.13	0.3	0.02	2.8	0.2	<0.05	7	<0.5
1046814	Soil	21	27	0.36	69	0.074	2	1.62	0.010	0.05	0.2	0.02	2.4	<0.1	<0.05	6	<0.5
1046820	Soil	11	31	0.38	97	0.079	2	1.85	0.007	0.05	0.1	0.02	2.3	0.1	<0.05	9	0.6
1046830	Soil	7	28	0.33	99	0.066	<1	1.30	0.009	0.05	0.2	0.07	1.6	<0.1	<0.05	8	<0.5
1046813	Soil	39	27	0.39	57	0.071	2	1.73	0.009	0.06	0.2	0.02	2.0	<0.1	<0.05	7	0.6
1046811	Soil	40	22	0.31	48	0.067	<1	1.31	0.008	0.05	0.2	<0.01	1.9	<0.1	<0.05	5	<0.5
1046815	Soil	18	23	0.36	56	0.070	<1	1.69	0.010	0.04	0.3	0.02	1.8	<0.1	<0.05	5	0.8
1046833	Soil	14	40	0.61	109	0.106	2	2.21	0.012	0.06	0.2	0.03	2.9	<0.1	<0.05	6	0.9
1046827	Soil	17	45	0.90	96	0.073	2	1.98	0.012	0.06	0.1	0.01	3.3	<0.1	<0.05	7	<0.5
1046824	Soil	14	35	0.57	118	0.099	3	2.51	0.011	0.07	0.2	0.03	2.9	<0.1	<0.05	7	0.7
1046826	Soil	10	31	0.38	120	0.048	1	1.65	0.010	0.05	0.1	0.05	1.7	0.1	<0.05	7	0.5
1046818	Soil	13	38	0.55	99	0.065	<1	2.36	0.009	0.05	0.1	0.02	3.1	0.1	<0.05	7	<0.5
1039582	Soil	7	38	0.56	125	0.103	2	2.38	0.012	0.09	0.2	0.04	3.5	<0.1	<0.05	6	0.8
1039586	Soil	32	38	1.12	235	0.326	<1	3.00	0.011	0.92	8.6	0.02	6.3	2.7	<0.05	16	<0.5
1039571	Soil	14	37	0.53	111	0.104	2	2.30	0.012	0.06	0.3	0.04	3.2	0.1	<0.05	6	<0.5
1039580	Soil	9	51	0.59	117	0.100	<1	2.29	0.009	0.10	0.3	0.03	3.2	0.2	<0.05	7	<0.5
1039584	Soil	10	36	0.42	137	0.097	2	2.13	0.015	0.07	0.3	0.02	2.7	<0.1	<0.05	7	<0.5
1039585	Soil	9	35	0.51	121	0.106	1	2.23	0.009	0.08	0.6	0.02	2.4	0.1	<0.05	7	<0.5
1039583	Soil	8	44	0.53	121	0.100	2	2.27	0.009	0.09	0.4	0.04	3.1	0.1	<0.05	7	<0.5
1039570	Soil	11	40	0.42	104	0.109	2	1.77	0.014	0.08	0.3	0.04	2.8	0.1	0.07	8	0.8
1039587	Soil	12	34	0.42	97	0.075	2	2.35	0.010	0.04	0.2	0.03	2.5	<0.1	<0.05	7	<0.5
1039592	Soil	18	44	0.71	204	0.130	3	3.03	0.015	0.09	0.4	0.02	3.7	0.2	<0.05	7	<0.5
1039591	Soil	27	29	0.66	130	0.164	1	1.69	0.014	0.15	2.0	<0.01	2.9	0.2	<0.05	6	<0.5
1039588	Soil	14	30	0.51	102	0.114	1	2.01	0.011	0.09	0.6	0.03	2.5	0.2	<0.05	9	<0.5
1039590	Soil	15	38	0.70	121	0.174	2	2.08	0.014	0.10	1.7	0.01	3.0	0.2	<0.05	8	<0.5
1039589	Soil	13	25	0.60	111	0.179	2	1.60	0.016	0.12	3.0	0.02	2.2	0.2	<0.05	7	<0.5
1039581	Soil	10	56	0.88	160	0.162	3	2.54	0.016	0.19	0.2	0.03	4.6	0.2	<0.05	7	<0.5



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Part 1

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
		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
1039598	Soil	0.7	25.5	14.9	75	0.2	16.4	7.7	293	2.73	10.2	5.9	1.4	29.8	25	<0.1	0.5	0.7	59	0.35
1039600	Soil	0.5	20.7	12.3	66	<0.1	19.1	8.1	327	2.41	7.1	3.1	2.1	19.7	32	0.2	0.3	0.4	52	0.42
1039593	Soil	2.3	20.6	14.5	75	<0.1	19.4	10.0	665	2.64	9.1	4.3	2.4	18.5	25	<0.1	0.3	0.6	53	0.30
1039594	Soil	3.9	33.3	23.2	86	0.3	28.6	15.2	866	3.86	16.6	5.2	1.7	26.8	23	0.2	0.6	0.9	80	0.24
1039597	Soil	1.7	16.9	12.8	71	<0.1	17.3	9.8	488	2.82	8.0	1.2	1.3	12.5	18	0.1	0.3	0.5	66	0.20
1039575	Soil	1.1	34.2	13.8	67	<0.1	31.0	12.5	357	3.23	11.8	1.1	5.3	9.6	30	0.1	0.5	0.5	67	0.21
1039577	Soil	1.1	32.9	15.3	73	<0.1	27.7	18.2	561	4.07	11.8	0.7	1.8	4.7	54	0.3	0.4	0.2	80	0.39
1039572	Soil	1.7	30.7	19.2	74	0.1	29.1	10.8	340	3.58	13.0	1.1	2.4	4.4	24	0.3	0.6	0.5	68	0.24
1039573	Soil	1.0	32.2	33.3	73	<0.1	29.4	12.4	523	3.12	11.3	1.0	5.4	6.7	23	0.1	0.4	0.8	66	0.23
1039595	Soil	1.4	31.4	14.2	67	0.2	25.0	11.2	328	2.76	9.6	5.3	4.4	19.7	29	<0.1	0.4	0.5	61	0.34
1039574	Soil	0.9	29.7	21.0	74	0.1	29.1	10.7	411	2.84	11.3	1.1	1.7	9.1	38	0.5	0.4	0.5	59	0.24
1039579	Soil	1.0	42.9	74.3	541	0.4	37.8	13.9	436	3.26	19.7	1.1	2.7	3.3	43	7.6	1.3	0.3	78	0.68
1039576	Soil	1.9	24.4	13.2	67	<0.1	27.9	11.7	337	3.89	14.2	0.9	10.5	5.4	24	<0.1	0.7	0.3	84	0.21
1039569	Soil	1.1	140.7	21.7	114	0.5	53.5	19.6	496	3.80	43.8	1.1	81.8	3.8	44	0.6	0.5	2.3	84	0.28
1039578	Soil	1.9	24.0	13.9	70	0.2	24.5	9.6	286	3.76	13.8	0.5	1.4	2.6	24	0.5	0.6	0.3	90	0.22
1080279	Soil	2.9	84.4	21.9	249	1.0	66.0	13.4	806	3.35	22.9	3.2	3.9	0.5	22	1.2	1.8	0.3	130	0.20
1080283	Soil	5.1	42.6	43.3	123	1.1	30.7	7.8	240	3.28	129.6	1.5	7.6	1.0	16	0.7	3.8	0.3	116	0.10
1080281	Soil	2.2	33.8	13.3	84	0.1	25.7	8.8	390	3.35	28.9	0.9	2.1	1.3	12	0.3	1.3	0.3	87	0.10
1080282	Soil	1.2	60.0	15.4	140	0.3	92.4	20.2	692	3.65	81.6	1.4	9.4	3.4	17	0.4	3.2	0.2	86	0.29
1080295	Soil	2.9	23.3	6.6	37	<0.1	13.3	5.0	94	1.91	10.3	0.6	3.5	0.5	11	<0.1	1.0	0.2	77	0.07
1039599	Soil	0.4	19.5	11.7	65	<0.1	16.6	6.9	276	2.40	7.9	3.3	3.0	21.1	28	0.2	0.4	0.5	46	0.39
1080273	Soil	0.2	9.1	0.8	16	<0.1	2.3	2.7	89	0.94	1.1	0.1	<0.5	0.1	8	<0.1	0.2	<0.1	32	0.12
1080275	Soil	3.4	68.8	9.7	519	0.5	100.0	12.4	515	2.94	24.3	4.4	5.2	3.2	16	3.3	4.9	0.2	183	0.36
1080277	Soil	2.5	97.1	13.5	565	0.8	117.1	14.8	1347	3.53	26.6	4.0	2.2	2.3	20	5.7	2.9	0.2	155	0.25
1080280	Soil	1.8	39.1	13.5	93	0.2	32.6	10.3	443	3.42	24.3	1.0	4.9	1.9	12	0.4	1.3	0.2	84	0.13
1080274	Soil	1.1	27.7	5.7	66	<0.1	14.2	5.6	220	2.03	5.8	0.5	3.6	0.4	11	0.2	1.2	<0.1	63	0.13
1080272	Soil	4.1	45.2	8.1	118	0.3	39.3	11.7	501	2.61	9.9	2.3	2.5	0.9	24	0.4	0.9	0.2	98	0.24
1039596	Soil	1.4	23.7	17.4	69	0.1	20.2	11.1	608	2.88	9.5	3.7	2.5	23.5	22	<0.1	0.4	0.6	62	0.29
1080278	Soil	2.5	71.2	17.6	221	0.8	59.6	11.5	731	2.93	20.9	2.6	7.9	0.7	19	1.1	1.7	0.5	117	0.19
1080276	Soil	3.3	98.7	9.4	558	0.6	113.9	14.8	973	3.05	22.1	3.7	2.1	0.5	22	4.0	3.7	0.2	188	0.28



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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
1039598	Soil	28	34	0.56	133	0.126	1	2.01	0.013	0.10	0.4	0.06	4.4	0.2	<0.05	7	<0.5	<0.2
1039600	Soil	24	32	0.51	150	0.125	1	1.54	0.019	0.08	0.4	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
1039593	Soil	24	29	0.55	85	0.084	1	1.60	0.016	0.08	0.7	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
1039594	Soil	32	43	0.52	133	0.097	4	2.53	0.017	0.11	0.6	0.05	3.7	0.1	0.05	9	<0.5	<0.2
1039597	Soil	12	27	0.47	88	0.108	2	1.64	0.010	0.09	0.3	0.01	2.4	0.1	<0.05	8	<0.5	<0.2
1039575	Soil	17	34	0.56	148	0.143	2	2.44	0.015	0.09	0.3	0.03	2.9	0.2	<0.05	6	<0.5	<0.2
1039577	Soil	14	39	0.77	164	0.157	2	3.15	0.020	0.18	0.2	0.04	4.0	0.1	<0.05	8	<0.5	<0.2
1039572	Soil	15	36	0.55	127	0.108	2	2.11	0.014	0.09	0.3	0.07	2.7	0.1	0.06	7	<0.5	<0.2
1039573	Soil	16	39	0.67	151	0.131	2	2.33	0.016	0.09	0.4	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
1039595	Soil	56	42	0.69	156	0.105	2	2.11	0.013	0.09	0.4	0.03	5.0	0.1	<0.05	6	<0.5	<0.2
1039574	Soil	15	33	0.59	148	0.128	2	2.38	0.016	0.09	0.3	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
1039579	Soil	15	48	0.83	178	0.134	2	2.35	0.026	0.11	0.3	0.03	4.8	0.2	<0.05	7	<0.5	<0.2
1039576	Soil	14	38	0.54	118	0.128	2	2.13	0.013	0.07	0.2	0.02	3.1	0.1	<0.05	8	<0.5	<0.2
1039569	Soil	11	62	0.78	141	0.169	2	2.33	0.033	0.23	1.2	0.02	4.4	0.2	0.12	7	0.8	0.3
1039578	Soil	9	39	0.58	123	0.159	1	1.88	0.011	0.10	0.3	0.02	2.6	<0.1	<0.05	10	<0.5	<0.2
1080279	Soil	18	50	0.75	365	0.065	2	2.16	0.015	0.09	0.2	0.06	2.6	0.2	0.11	8	<0.5	<0.2
1080283	Soil	11	32	0.26	121	0.078	1	1.20	0.008	0.05	0.2	0.06	1.8	0.1	<0.05	7	1.1	<0.2
1080281	Soil	11	37	0.47	76	0.090	1	1.62	0.006	0.09	0.1	0.04	2.2	<0.1	<0.05	7	<0.5	<0.2
1080282	Soil	13	134	0.84	383	0.101	<1	2.34	0.010	0.26	<0.1	0.02	6.3	0.2	<0.05	6	<0.5	<0.2
1080295	Soil	8	14	0.11	53	0.063	2	0.69	0.006	0.03	0.1	0.03	1.1	<0.1	<0.05	5	<0.5	<0.2
1039599	Soil	22	29	0.47	152	0.088	1	1.43	0.013	0.07	0.5	<0.01	3.9	0.1	<0.05	5	<0.5	<0.2
1080273	Soil	2	3	0.06	18	0.045	<1	0.24	0.012	0.01	<0.1	<0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
1080275	Soil	21	51	0.73	305	0.064	<1	1.67	0.006	0.15	0.4	0.05	3.6	0.2	<0.05	6	1.6	<0.2
1080277	Soil	19	49	1.08	372	0.073	<1	2.05	0.011	0.12	0.3	0.05	4.9	0.1	<0.05	7	1.0	<0.2
1080280	Soil	11	39	0.53	100	0.089	2	1.71	0.008	0.09	0.2	0.04	2.5	0.1	<0.05	7	<0.5	<0.2
1080274	Soil	5	15	0.25	46	0.071	<1	0.67	0.012	0.03	<0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1080272	Soil	10	31	0.56	106	0.082	2	1.58	0.021	0.07	0.3	0.07	2.1	0.1	0.11	5	1.1	<0.2
1039596	Soil	30	35	0.58	128	0.097	1	2.10	0.012	0.08	0.3	0.03	4.0	0.1	<0.05	7	<0.5	<0.2
1080278	Soil	17	46	0.59	311	0.054	1	1.98	0.014	0.08	0.2	0.05	3.0	0.2	0.18	7	1.3	<0.2
1080276	Soil	16	42	0.77	247	0.027	2	1.67	0.010	0.06	0.3	0.06	2.0	0.1	0.09	7	1.4	<0.2



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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
1080288	Soil	3.6	81.4	133.8	314	2.0	38.5	12.9	738	3.23	155.8	3.0	69.5	2.4	28	1.6	4.7	0.2	72	0.33
1080296	Soil	2.0	39.9	13.5	79	0.2	34.3	12.7	478	3.80	95.6	1.1	8.9	2.5	11	0.2	2.5	0.3	72	0.10
1080297	Soil	4.4	42.3	12.4	88	0.1	31.4	9.6	496	3.97	83.8	1.1	7.2	1.9	17	0.3	2.6	0.3	106	0.11
1080300	Soil	1.5	32.8	13.0	102	<0.1	34.6	14.3	462	3.32	38.8	0.7	8.2	1.6	15	0.3	1.1	0.3	70	0.18
1085001	Soil	2.4	41.4	9.9	86	<0.1	31.4	9.9	333	3.31	14.3	0.8	3.9	1.0	17	0.2	1.2	0.3	76	0.16
1080289	Soil	0.9	35.3	8.9	71	<0.1	36.4	14.9	405	3.59	23.3	1.2	3.1	5.9	15	0.1	1.6	0.2	57	0.21
1080287	Soil	2.7	44.1	13.2	263	0.2	61.8	16.0	424	3.18	97.9	1.4	8.7	4.3	19	1.8	2.6	0.2	79	0.19
1080285	Soil	7.1	99.5	21.7	608	0.5	120.4	26.7	1778	4.23	136.8	3.1	11.7	6.1	26	3.9	4.0	0.2	111	0.26
1080284	Soil	5.0	49.0	13.9	169	1.1	46.2	8.3	231	2.61	40.8	3.4	5.5	0.7	18	2.4	2.2	0.2	91	0.16
1080286	Soil	4.0	35.6	11.3	119	0.6	24.8	5.0	140	2.05	44.5	1.9	7.9	1.0	15	1.5	1.5	0.2	72	0.12
1080293	Soil	1.8	32.9	85.3	88	1.6	35.3	13.4	426	3.73	215.4	0.8	77.9	4.6	23	0.6	8.0	0.3	73	0.17
1080291	Soil	1.6	25.5	19.8	72	0.1	29.6	14.8	862	3.59	65.3	0.9	4.3	3.7	12	0.2	1.7	0.3	61	0.16
1080292	Soil	1.1	41.0	17.9	126	0.3	31.1	12.4	2531	2.47	170.6	2.8	46.9	2.4	40	0.5	6.4	0.1	34	1.11
1080294	Soil	1.1	29.5	30.7	117	0.2	36.6	14.1	2394	4.03	32.3	1.1	9.3	3.4	24	0.7	2.4	0.3	61	0.64
1080290	Soil	1.1	30.3	9.0	55	0.1	30.5	11.1	338	2.97	21.3	0.7	3.0	3.3	14	0.1	1.0	0.2	61	0.18
1084665	Soil	1.3	27.7	20.9	74	<0.1	25.9	10.0	239	3.61	10.7	1.3	4.8	3.6	22	0.3	0.6	0.3	80	0.23
1084663	Soil	1.4	39.2	97.0	149	0.1	28.4	12.0	359	4.12	12.2	1.8	1.6	5.6	16	0.3	0.5	0.5	76	0.21
1084669	Soil	2.0	23.0	13.4	59	<0.1	17.3	7.7	326	3.49	10.7	0.6	<0.5	2.3	30	0.2	0.7	0.3	101	0.19
1084668	Soil	1.4	26.5	53.7	105	<0.1	27.3	11.5	300	3.74	10.8	0.9	10.5	3.7	21	0.2	0.6	0.6	76	0.25
1084673	Soil	1.9	33.1	12.9	63	0.1	19.9	8.9	294	4.02	11.7	0.5	4.7	2.5	20	0.3	0.8	0.3	96	0.18
1080298	Soil	2.3	31.2	13.0	77	<0.1	26.8	11.1	450	3.76	24.7	0.9	2.1	2.8	13	0.2	1.0	0.2	82	0.14
1084670	Soil	1.2	32.0	12.9	64	0.2	32.9	12.7	270	3.68	11.0	0.6	2.4	3.6	25	0.3	0.6	0.2	86	0.25
1084666	Soil	1.3	23.9	26.6	107	<0.1	25.7	11.4	316	3.76	11.2	1.2	2.1	4.3	21	0.5	0.5	0.3	90	0.25
1084664	Soil	1.5	31.5	13.1	66	0.1	34.0	13.9	294	3.85	12.3	0.8	2.3	5.0	22	0.3	0.6	0.2	85	0.22
1084667	Soil	1.9	35.5	22.9	73	<0.1	27.0	11.4	316	4.40	13.5	0.6	2.6	3.5	20	0.4	0.7	0.2	100	0.23
1085003	Soil	2.3	66.6	11.1	114	0.1	59.4	15.2	541	3.67	52.0	1.0	3.0	2.4	17	0.4	1.7	0.2	83	0.17
1085004	Soil	0.9	26.8	2.8	31	0.1	7.2	4.7	97	1.77	3.9	0.4	4.2	0.3	14	<0.1	0.4	<0.1	56	0.16
1085005	Soil	2.6	70.3	10.3	78	0.3	23.7	9.4	361	3.65	33.8	1.3	2.7	1.4	21	0.3	3.2	0.2	92	0.19
1085002	Soil	0.5	16.4	2.3	39	<0.1	7.4	6.6	196	2.23	2.8	0.2	0.9	0.3	11	0.1	0.3	<0.1	73	0.11
1080299	Soil	1.6	33.9	11.1	89	<0.1	32.8	12.0	514	3.49	93.2	0.9	10.4	2.1	15	0.4	1.5	0.2	68	0.18



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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
		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
1080288	Soil	19	38	0.63	333	0.052	3	2.00	0.010	0.09	0.2	0.06	4.2	0.1	0.08	6	1.7	<0.2
1080296	Soil	13	37	0.60	89	0.060	<1	2.03	0.007	0.10	0.1	0.06	2.6	0.2	<0.05	7	0.8	<0.2
1080297	Soil	11	37	0.42	148	0.063	<1	1.64	0.008	0.09	0.1	0.03	2.5	0.2	0.05	9	1.0	<0.2
1080300	Soil	11	37	0.53	111	0.076	2	1.75	0.009	0.13	0.1	0.05	2.6	0.1	0.05	6	1.0	<0.2
1085001	Soil	10	33	0.44	92	0.081	2	1.44	0.012	0.08	0.2	0.05	2.0	0.1	0.06	7	<0.5	<0.2
1080289	Soil	20	38	0.85	91	0.109	<1	2.14	0.012	0.21	0.1	0.02	3.3	0.2	<0.05	7	<0.5	<0.2
1080287	Soil	15	49	0.68	380	0.103	1	2.09	0.010	0.11	0.2	0.02	3.5	0.2	<0.05	5	2.0	<0.2
1080285	Soil	22	52	0.99	421	0.113	1	2.65	0.016	0.28	0.2	0.02	4.8	0.2	0.12	8	2.3	<0.2
1080284	Soil	14	42	0.36	405	0.060	1	1.79	0.011	0.11	<0.1	0.07	2.4	0.2	0.08	7	1.9	<0.2
1080286	Soil	14	29	0.25	245	0.040	2	1.42	0.007	0.06	0.1	0.05	2.0	0.2	<0.05	6	0.8	<0.2
1080293	Soil	16	33	0.55	143	0.083	2	2.03	0.013	0.12	0.1	0.04	3.0	0.2	0.10	7	1.2	<0.2
1080291	Soil	13	40	0.51	82	0.076	1	2.54	0.008	0.07	0.1	0.05	3.2	0.1	<0.05	7	0.9	<0.2
1080292	Soil	19	23	0.92	291	0.035	1	1.71	0.019	0.07	0.3	0.05	3.4	0.2	0.05	5	1.6	<0.2
1080294	Soil	24	39	2.04	212	0.076	3	2.49	0.014	0.11	0.1	0.06	5.0	0.2	0.06	7	0.9	<0.2
1080290	Soil	11	30	0.63	88	0.105	2	1.62	0.013	0.15	0.1	0.03	2.8	0.2	<0.05	7	<0.5	<0.2
1084665	Soil	37	34	0.45	136	0.080	2	2.81	0.012	0.06	0.1	0.02	3.0	<0.1	<0.05	10	0.7	<0.2
1084663	Soil	38	38	0.44	107	0.064	1	3.61	0.011	0.07	0.3	0.04	3.6	0.1	<0.05	12	0.8	<0.2
1084669	Soil	9	30	0.33	113	0.095	1	1.81	0.012	0.06	<0.1	0.02	2.5	<0.1	<0.05	10	1.3	<0.2
1084668	Soil	9	33	0.40	132	0.072	1	2.92	0.015	0.07	0.1	0.02	2.7	<0.1	<0.05	10	0.6	<0.2
1084673	Soil	10	34	0.34	112	0.088	2	2.25	0.013	0.05	0.1	0.02	2.6	0.1	<0.05	9	0.6	<0.2
1080298	Soil	10	43	0.55	65	0.099	3	2.28	0.009	0.09	0.1	0.06	3.3	0.1	<0.05	9	0.8	<0.2
1084670	Soil	10	41	0.56	133	0.120	2	2.86	0.017	0.07	<0.1	0.03	4.0	<0.1	<0.05	9	0.6	<0.2
1084666	Soil	30	39	0.53	137	0.108	2	2.81	0.018	0.08	<0.1	0.01	3.7	0.1	<0.05	10	0.5	<0.2
1084664	Soil	14	42	0.56	133	0.114	2	3.12	0.014	0.08	0.1	0.03	3.8	0.1	<0.05	9	<0.5	<0.2
1084667	Soil	9	44	0.51	128	0.129	2	2.93	0.011	0.08	0.1	0.04	3.7	0.1	<0.05	10	<0.5	<0.2
1085003	Soil	11	57	0.56	114	0.081	2	1.81	0.010	0.13	0.1	0.04	3.2	0.1	<0.05	7	1.1	<0.2
1085004	Soil	4	10	0.10	50	0.058	2	0.69	0.020	0.03	<0.1	0.04	0.9	<0.1	0.05	3	0.7	<0.2
1085005	Soil	12	30	0.32	137	0.072	2	1.44	0.013	0.06	0.1	0.04	1.9	0.1	0.06	7	1.0	<0.2
1085002	Soil	2	10	0.14	36	0.086	1	0.45	0.017	0.03	<0.1	0.03	0.6	<0.1	<0.05	4	<0.5	<0.2
1080299	Soil	13	36	0.54	130	0.063	2	1.86	0.011	0.15	0.2	0.03	2.7	0.1	0.07	7	1.1	<0.2



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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 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
1080042	Soil	2.3	49.4	20.9	79	0.3	18.0	21.3	790	4.40	11.0	1.5	4.0	5.8	33	0.2	0.7	0.6	94	0.38	0.061
1080102	Soil	1.5	26.2	20.8	81	0.1	34.4	15.0	497	3.54	12.2	1.0	6.5	4.8	21	0.3	0.6	0.2	77	0.26	0.037
1080048	Soil	4.8	31.4	12.2	88	<0.1	16.2	10.2	531	4.02	8.4	1.0	3.0	4.2	17	0.2	0.6	0.2	100	0.18	0.050
1080049	Soil	1.7	38.8	39.1	118	<0.1	33.0	14.5	584	3.48	10.7	1.0	2.8	6.4	21	0.3	0.6	0.4	76	0.27	0.032
1080101	Soil	1.2	32.2	17.6	80	0.2	37.7	15.4	551	3.36	12.3	0.9	3.5	4.7	21	0.4	0.6	0.3	72	0.26	0.044
1080115	Soil	2.0	26.6	12.3	70	<0.1	18.7	7.6	239	2.91	11.3	0.6	3.6	2.6	16	0.2	0.8	0.3	72	0.15	0.028
1080118	Soil	1.2	24.5	14.7	69	<0.1	29.0	10.9	306	3.05	10.7	0.7	1.0	4.0	17	0.3	0.5	0.2	63	0.18	0.045
1080050	Soil	1.3	31.5	17.6	78	0.2	37.2	15.0	556	3.40	11.6	0.9	3.2	4.7	20	0.5	0.6	0.3	74	0.26	0.044
1080114	Soil	1.0	25.5	19.0	100	<0.1	31.8	12.6	379	3.01	11.0	0.8	2.1	4.3	17	0.4	0.5	0.2	64	0.21	0.032
1080047	Soil	2.3	40.0	29.0	100	0.2	25.8	11.5	547	2.96	11.1	1.0	4.7	2.5	16	0.5	0.7	0.3	63	0.20	0.078
1080122	Soil	0.8	21.1	13.0	75	0.2	11.7	5.8	166	1.45	4.2	2.4	1.2	2.8	14	0.4	0.3	0.2	33	0.17	0.052
1080123	Soil	0.8	14.4	6.7	25	<0.1	6.3	2.5	70	0.99	3.5	0.5	5.4	0.3	10	<0.1	0.3	0.1	31	0.10	0.042
1080121	Soil	1.7	28.3	13.0	61	0.1	16.9	7.3	195	2.67	8.9	0.6	11.6	1.4	17	0.3	0.6	0.2	72	0.16	0.033
1080117	Soil	2.4	28.3	12.1	61	0.1	15.2	5.7	189	2.66	9.2	0.6	3.8	1.4	17	0.3	0.7	0.3	81	0.16	0.032
1080116	Soil	1.6	24.3	14.9	92	0.2	24.7	10.5	356	3.24	11.2	0.7	3.9	2.4	17	0.3	0.6	0.3	73	0.20	0.044
1084653	Soil	0.4	65.4	20.2	150	<0.1	31.4	8.6	438	3.40	5.8	1.9	1.4	5.8	34	0.4	0.2	0.4	80	0.66	0.109
1084652	Soil	2.4	35.6	23.4	104	0.1	28.1	10.6	389	3.77	13.6	1.0	3.6	2.7	18	0.3	0.9	0.4	83	0.18	0.041
1084659	Soil	0.9	30.8	14.9	69	<0.1	34.3	13.3	291	2.98	12.5	0.9	12.3	5.2	17	0.4	0.5	0.3	64	0.19	0.028
1084656	Soil	2.1	25.4	15.9	116	0.2	21.0	9.3	335	3.72	23.9	0.5	5.2	1.8	13	0.4	0.7	0.4	87	0.13	0.036
1084657	Soil	1.7	35.7	94.5	168	0.5	24.2	14.4	587	3.42	15.5	0.7	2.9	2.2	20	1.4	0.7	2.0	81	0.19	0.048
1084671	Soil	1.5	29.3	15.3	75	<0.1	17.9	10.8	614	3.02	10.2	0.5	2.4	2.4	19	0.2	0.6	0.3	78	0.19	0.044
1084672	Soil	1.3	25.1	14.8	70	0.1	21.0	10.1	318	3.20	10.6	1.7	1.6	3.7	18	0.6	0.5	0.4	68	0.20	0.036
1084674	Soil	2.2	56.9	13.1	82	0.1	14.0	8.8	395	3.40	10.7	0.4	3.7	1.5	17	0.3	0.7	0.2	82	0.16	0.035
1084651	Soil	2.2	29.3	12.4	62	<0.1	26.0	10.7	384	3.75	11.7	0.6	5.7	2.0	13	0.2	0.7	0.2	86	0.15	0.034
1084654	Soil	0.5	25.2	13.0	77	0.1	9.4	6.3	313	2.17	3.1	1.3	1.5	0.8	24	0.1	0.2	0.3	44	0.35	0.089



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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
1080042	Soil	22	33	0.79	91	0.191	2	2.25	0.020	0.16	0.6	0.03	5.8	0.3	0.08	9	1.1	<0.2
1080102	Soil	13	42	0.74	128	0.131	4	2.84	0.016	0.10	1.2	0.03	4.0	<0.1	<0.05	8	0.8	<0.2
1080048	Soil	14	25	0.86	82	0.213	2	2.01	0.014	0.29	0.3	0.03	4.7	0.3	<0.05	12	1.0	<0.2
1080049	Soil	21	37	0.78	143	0.133	2	2.79	0.017	0.14	0.2	0.04	4.6	0.2	<0.05	8	1.1	<0.2
1080101	Soil	10	44	0.82	141	0.151	1	2.65	0.017	0.14	1.5	0.04	3.3	0.3	<0.05	7	<0.5	0.2
1080115	Soil	12	29	0.36	74	0.072	<1	1.70	0.011	0.04	0.2	0.02	2.0	0.1	<0.05	7	<0.5	<0.2
1080118	Soil	11	34	0.44	112	0.091	2	2.72	0.012	0.05	0.2	0.04	2.7	<0.1	<0.05	7	<0.5	<0.2
1080050	Soil	9	44	0.77	150	0.141	2	2.61	0.015	0.13	1.1	0.03	3.1	0.2	<0.05	7	<0.5	<0.2
1080114	Soil	14	34	0.51	133	0.080	2	2.59	0.013	0.06	0.2	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
1080047	Soil	22	34	0.56	91	0.071	2	2.17	0.014	0.07	0.4	0.05	2.2	0.1	0.07	7	<0.5	<0.2
1080122	Soil	135	19	0.25	97	0.040	1	1.28	0.017	0.05	0.2	0.05	1.8	<0.1	0.05	4	<0.5	<0.2
1080123	Soil	10	10	0.10	52	0.038	1	0.76	0.018	0.03	<0.1	0.02	0.8	<0.1	<0.05	4	<0.5	<0.2
1080121	Soil	15	25	0.26	92	0.048	<1	1.52	0.013	0.04	<0.1	0.02	1.6	<0.1	<0.05	7	<0.5	<0.2
1080117	Soil	10	25	0.24	98	0.059	<1	1.44	0.008	0.04	0.1	0.03	1.8	0.1	<0.05	9	<0.5	<0.2
1080116	Soil	19	32	0.43	109	0.074	1	2.11	0.011	0.06	0.2	0.05	2.4	<0.1	<0.05	7	<0.5	<0.2
1084653	Soil	62	52	0.86	75	0.039	<1	2.32	0.009	0.13	0.2	0.02	5.4	<0.1	<0.05	10	<0.5	<0.2
1084652	Soil	15	36	0.51	116	0.071	2	2.05	0.010	0.06	0.1	0.03	2.4	0.1	<0.05	10	<0.5	<0.2
1084659	Soil	13	40	0.53	149	0.076	2	2.85	0.011	0.06	0.3	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1084656	Soil	10	33	0.35	90	0.064	<1	1.84	0.008	0.03	0.2	0.03	2.0	<0.1	<0.05	9	<0.5	<0.2
1084657	Soil	11	36	0.45	96	0.073	<1	1.99	0.013	0.06	0.3	0.06	2.5	<0.1	<0.05	8	<0.5	<0.2
1084671	Soil	8	28	0.35	162	0.080	1	1.89	0.013	0.06	0.2	0.01	2.3	<0.1	<0.05	7	<0.5	<0.2
1084672	Soil	18	32	0.48	108	0.081	1	2.21	0.011	0.07	0.2	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
1084674	Soil	9	30	0.33	128	0.061	<1	1.77	0.011	0.04	0.1	0.01	2.0	<0.1	<0.05	8	<0.5	<0.2
1084651	Soil	10	39	0.53	94	0.084	<1	1.95	0.009	0.06	0.1	0.03	2.6	0.1	<0.05	8	<0.5	<0.2
1084654	Soil	38	18	0.43	64	0.020	<1	1.32	0.012	0.06	0.1	0.04	1.7	<0.1	0.05	7	<0.5	<0.2



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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																					
1082294	Soil	1.1	25.6	24.3	88	<0.1	34.9	13.2	337	3.65	11.7	0.7	3.9	4.6	15	0.5	0.4	0.2	69	0.19	0.030
REP 1082294	QC	1.0	27.5	25.3	91	<0.1	34.0	14.0	342	3.63	12.0	0.7	<0.5	4.7	15	0.6	0.5	0.2	70	0.20	0.025
1082308	Soil	1.3	25.1	13.7	95	0.1	25.4	14.9	790	3.84	9.6	0.4	<0.5	2.5	22	0.4	0.6	0.3	91	0.21	0.022
REP 1082308	QC	1.4	25.1	13.6	96	<0.1	25.7	14.0	783	3.86	9.9	0.4	<0.5	2.4	21	0.4	0.6	0.3	90	0.22	0.023
1086954	Soil	0.6	22.2	6.0	29	0.2	8.7	5.9	223	1.32	6.2	0.7	1.3	0.7	24	0.2	0.1	0.1	37	0.25	0.041
REP 1086954	QC	0.6	21.5	6.0	29	0.2	8.7	5.6	212	1.29	5.8	0.7	2.8	0.7	25	0.2	0.1	0.1	36	0.23	0.037
1082037	Soil	2.1	50.8	9.3	45	0.3	22.9	9.4	549	2.17	8.9	0.8	4.3	1.5	43	0.2	0.3	0.2	49	0.92	0.057
REP 1082037	QC	1.7	50.0	9.7	45	0.3	22.4	9.2	542	2.15	8.6	0.8	2.6	1.5	42	0.2	0.3	0.2	48	0.92	0.054
1086912	Soil	2.8	47.5	17.1	100	0.2	26.2	9.1	301	4.40	36.9	1.2	8.3	3.4	19	0.3	1.6	0.3	100	0.16	0.059
REP 1086912	QC	2.6	46.4	16.8	97	0.2	25.4	8.5	301	4.29	36.6	1.1	4.2	3.5	19	0.5	1.5	0.3	98	0.15	0.056
1086902	Soil	6.1	49.5	15.8	140	0.9	34.1	10.4	574	4.09	40.5	5.0	2.0	0.5	15	0.9	3.0	0.3	187	0.11	0.114
REP 1086902	QC	5.8	50.6	15.5	140	0.9	34.1	10.2	559	3.98	40.2	5.1	5.7	0.5	15	0.8	2.7	0.3	177	0.11	0.115
1080252	Soil	1.6	43.6	15.8	56	0.3	24.8	14.5	315	3.73	29.3	0.7	7.9	3.0	19	0.2	0.9	0.5	78	0.19	0.044
REP 1080252	QC	1.7	42.7	15.7	54	0.4	24.6	14.4	332	3.75	29.6	0.7	8.7	3.0	20	0.2	0.8	0.5	80	0.20	0.046
1046809	Soil	0.8	34.2	12.4	63	0.2	22.1	8.9	339	2.33	11.0	0.8	4.6	1.8	14	0.2	0.3	0.3	62	0.16	0.052
REP 1046809	QC	0.8	34.7	12.4	62	0.2	22.4	8.7	350	2.36	11.0	0.8	2.1	1.8	14	0.1	0.4	0.3	60	0.16	0.050
1046817	Soil	1.2	24.4	10.1	63	<0.1	20.6	9.1	328	3.62	9.4	0.9	1.7	2.9	18	0.2	0.3	0.2	69	0.21	0.056
REP 1046817	QC	1.2	24.5	10.4	64	<0.1	20.4	8.8	316	3.49	8.8	0.9	1.0	2.9	17	0.1	0.4	0.2	67	0.20	0.054
1046818	Soil	2.1	24.2	11.9	71	0.2	24.4	10.8	391	3.75	11.6	0.8	1.7	2.1	14	0.2	0.6	0.2	74	0.15	0.047
REP 1046818	QC	2.2	24.0	12.5	70	0.2	26.9	10.8	392	3.73	12.0	0.8	1.4	2.1	14	0.2	0.7	0.2	74	0.14	0.048
1039598	Soil	0.7	25.5	14.9	75	0.2	16.4	7.7	293	2.73	10.2	5.9	1.4	29.8	25	<0.1	0.5	0.7	59	0.35	0.075
REP 1039598	QC	0.7	26.3	15.5	76	0.2	16.8	7.8	292	2.80	10.4	5.8	4.5	30.4	26	<0.1	0.5	0.8	59	0.35	0.075
1080281	Soil	2.2	33.8	13.3	84	0.1	25.7	8.8	390	3.35	28.9	0.9	2.1	1.3	12	0.3	1.3	0.3	87	0.10	0.048
REP 1080281	QC	2.1	34.6	13.2	83	0.1	25.3	8.7	379	3.40	28.1	0.9	3.1	1.4	12	0.2	1.4	0.3	85	0.10	0.047
1080291	Soil	1.6	25.5	19.8	72	0.1	29.6	14.8	862	3.59	65.3	0.9	4.3	3.7	12	0.2	1.7	0.3	61	0.16	0.061
REP 1080291	QC	1.6	26.0	20.7	74	0.1	31.1	15.3	878	3.67	66.9	0.9	2.6	3.6	13	0.2	1.7	0.3	61	0.15	0.062
1080048	Soil	4.8	31.4	12.2	88	<0.1	16.2	10.2	531	4.02	8.4	1.0	3.0	4.2	17	0.2	0.6	0.2	100	0.18	0.050
REP 1080048	QC	4.8	30.4	12.2	88	<0.1	15.5	10.5	537	4.05	7.9	1.0	2.9	4.3	17	0.1	0.6	0.2	101	0.18	0.051



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Part 2

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
		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																		
1082294	Soil	13	41	0.59	144	0.100	3	3.02	0.013	0.07	0.1	0.01	3.7	<0.1	<0.05	7	<0.5	<0.2
REP 1082294	QC	13	38	0.56	150	0.103	2	2.98	0.012	0.07	0.2	0.01	3.7	0.1	<0.05	7	<0.5	<0.2
1082308	Soil	9	38	0.41	206	0.081	1	2.29	0.012	0.05	0.1	<0.01	3.0	0.1	<0.05	9	<0.5	<0.2
REP 1082308	QC	8	36	0.39	201	0.079	<1	2.21	0.011	0.05	0.1	<0.01	2.9	0.1	<0.05	9	<0.5	<0.2
1086954	Soil	13	13	0.17	70	0.039	<1	0.94	0.022	0.05	0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
REP 1086954	QC	13	13	0.17	70	0.038	<1	0.96	0.020	0.05	0.1	0.02	1.2	<0.1	<0.05	4	0.6	<0.2
1082037	Soil	9	36	0.77	101	0.068	2	1.43	0.035	0.07	3.0	0.03	3.0	0.1	0.05	5	<0.5	<0.2
REP 1082037	QC	9	35	0.76	101	0.066	1	1.45	0.036	0.07	2.7	0.05	3.0	0.1	0.06	5	0.9	<0.2
1086912	Soil	12	35	0.43	209	0.092	<1	1.79	0.007	0.12	0.1	0.02	2.3	0.2	<0.05	8	0.7	<0.2
REP 1086912	QC	11	34	0.41	198	0.091	1	1.75	0.007	0.11	0.1	0.02	2.5	0.2	<0.05	8	0.5	<0.2
1086902	Soil	11	46	0.39	312	0.030	2	1.80	0.007	0.05	0.2	0.10	1.7	0.2	0.08	8	3.0	<0.2
REP 1086902	QC	11	43	0.38	305	0.031	2	1.73	0.007	0.05	0.2	0.10	1.8	0.2	0.07	8	1.6	<0.2
1080252	Soil	10	36	0.53	93	0.114	2	2.20	0.011	0.09	1.3	0.04	3.1	0.1	<0.05	7	<0.5	<0.2
REP 1080252	QC	10	37	0.54	94	0.116	2	2.23	0.011	0.09	1.0	0.04	3.3	0.1	<0.05	7	<0.5	<0.2
1046809	Soil	11	34	0.49	57	0.055	2	1.39	0.013	0.07	0.1	0.04	1.7	<0.1	<0.05	6	<0.5	<0.2
REP 1046809	QC	11	35	0.47	57	0.054	2	1.33	0.013	0.07	0.1	0.03	1.7	<0.1	<0.05	6	<0.5	<0.2
1046817	Soil	12	32	0.53	77	0.113	1	2.13	0.011	0.06	0.2	0.05	2.4	<0.1	<0.05	7	<0.5	<0.2
REP 1046817	QC	11	31	0.52	76	0.102	1	1.99	0.011	0.05	0.2	0.04	2.1	<0.1	<0.05	7	<0.5	<0.2
1046818	Soil	13	38	0.55	99	0.065	<1	2.36	0.009	0.05	0.1	0.02	3.1	0.1	<0.05	7	<0.5	<0.2
REP 1046818	QC	13	38	0.53	95	0.074	1	2.40	0.009	0.05	0.1	0.03	2.9	0.1	<0.05	7	<0.5	<0.2
1039598	Soil	28	34	0.56	133	0.126	1	2.01	0.013	0.10	0.4	0.06	4.4	0.2	<0.05	7	<0.5	<0.2
REP 1039598	QC	28	34	0.57	135	0.126	2	2.04	0.014	0.10	0.3	0.07	4.4	0.2	<0.05	7	<0.5	<0.2
1080281	Soil	11	37	0.47	76	0.090	1	1.62	0.006	0.09	0.1	0.04	2.2	<0.1	<0.05	7	<0.5	<0.2
REP 1080281	QC	11	36	0.46	76	0.087	<1	1.58	0.006	0.08	0.1	0.04	2.2	0.1	<0.05	8	<0.5	<0.2
1080291	Soil	13	40	0.51	82	0.076	1	2.54	0.008	0.07	0.1	0.05	3.2	0.1	<0.05	7	0.9	<0.2
REP 1080291	QC	13	41	0.52	82	0.078	2	2.59	0.009	0.07	0.1	0.05	3.2	0.1	<0.05	7	1.1	<0.2
1080048	Soil	14	25	0.86	82	0.213	2	2.01	0.014	0.29	0.3	0.03	4.7	0.3	<0.05	12	1.0	<0.2
REP 1080048	QC	14	25	0.87	85	0.214	2	2.07	0.014	0.29	0.4	0.03	5.0	0.3	0.06	11	0.6	<0.2



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Part 1

QUALITY CONTROL REPORT

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		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
Reference Materials																					
STD DS8	Standard	13.9	107.1	123.2	305	1.7	37.0	7.2	621	2.44	26.8	2.8	115.4	7.1	71	2.3	5.5	6.0	42	0.72	0.075
STD DS8	Standard	12.7	104.2	122.9	300	1.8	38.5	7.0	595	2.64	25.7	2.7	116.3	6.7	61	2.3	5.0	6.1	39	0.66	0.075
STD DS8	Standard	12.9	102.2	122.2	300	1.7	36.1	6.8	593	2.44	26.3	2.6	137.6	6.7	63	2.3	5.2	6.2	41	0.64	0.080
STD DS8	Standard	12.1	99.4	119.7	288	1.7	34.9	7.0	573	2.32	25.1	2.7	126.1	6.3	65	2.2	4.9	6.1	38	0.66	0.075
STD DS8	Standard	12.2	104.8	118.3	297	1.7	35.8	7.2	596	2.42	26.1	2.5	94.1	6.2	62	2.4	5.1	5.5	40	0.64	0.077
STD DS8	Standard	12.2	105.5	118.2	297	1.8	36.9	6.7	578	2.30	26.1	2.7	114.0	5.9	63	2.0	5.0	5.9	38	0.65	0.075
STD DS8	Standard	12.7	98.7	127.6	294	1.8	34.2	6.6	597	2.32	25.7	3.0	105.6	7.3	74	2.3	6.0	7.2	39	0.70	0.080
STD DS8	Standard	13.4	109.4	107.4	292	1.8	37.5	7.5	589	2.38	26.1	2.5	107.1	6.2	59	2.2	4.9	6.1	43	0.68	0.074
STD DS8	Standard	13.0	114.8	119.3	319	1.7	39.3	7.7	623	2.49	26.9	2.7	109.5	6.4	70	2.3	5.4	6.9	44	0.68	0.085
STD DS8	Standard	13.2	109.3	115.5	313	1.8	37.3	7.3	590	2.40	26.2	2.6	107.3	6.4	67	2.2	5.8	6.5	41	0.67	0.079
STD DS8	Standard	13.3	112.2	123.3	317	1.8	38.9	7.7	608	2.49	27.1	2.8	112.3	6.6	72	2.2	5.5	6.6	42	0.68	0.080
STD DS8	Standard	11.4	104.3	120.5	310	1.8	37.7	7.3	598	2.44	26.3	2.5	111.3	6.1	62	2.4	5.5	7.0	41	0.64	0.077
STD DS8	Standard	12.5	105.7	128.5	299	1.7	35.9	7.2	564	2.32	25.3	2.8	103.9	6.9	65	2.0	5.6	6.7	40	0.65	0.076
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	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
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

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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
Reference Materials																		
STD DS8	Standard	16	117	0.58	283	0.117	4	0.97	0.114	0.41	2.8	0.20	2.5	5.3	0.16	5	5.0	4.6
STD DS8	Standard	13	115	0.54	267	0.106	3	0.86	0.089	0.41	2.9	0.21	2.4	5.4	0.15	4	4.9	4.9
STD DS8	Standard	14	112	0.53	278	0.106	4	0.89	0.106	0.41	2.8	0.19	2.8	5.3	0.22	4	5.0	5.8
STD DS8	Standard	14	108	0.51	276	0.109	2	0.89	0.101	0.42	2.8	0.18	2.8	5.4	0.15	4	4.5	4.2
STD DS8	Standard	13	110	0.54	268	0.100	1	0.89	0.097	0.40	2.7	0.19	2.3	5.3	0.15	4	5.4	5.2
STD DS8	Standard	13	111	0.52	265	0.107	3	0.88	0.104	0.40	2.9	0.20	2.7	5.4	0.18	4	6.0	5.3
STD DS8	Standard	16	112	0.58	283	0.113	3	0.90	0.112	0.42	2.9	0.19	2.5	5.3	0.14	4	3.5	4.7
STD DS8	Standard	14	115	0.58	275	0.112	2	0.89	0.091	0.41	2.9	0.21	2.4	5.5	0.16	4	5.2	5.1
STD DS8	Standard	14	120	0.64	275	0.130	3	0.95	0.101	0.44	2.9	0.20	2.0	5.4	0.18	4	5.4	5.0
STD DS8	Standard	14	112	0.59	275	0.122	3	0.87	0.084	0.41	2.9	0.20	2.1	5.3	0.13	5	6.3	4.9
STD DS8	Standard	15	116	0.59	284	0.124	3	0.92	0.099	0.44	2.9	0.21	2.6	5.5	0.12	5	4.9	5.0
STD DS8	Standard	12	114	0.62	277	0.105	3	0.86	0.080	0.40	3.0	0.21	2.0	5.5	0.13	4	5.3	5.5
STD DS8	Standard	14	113	0.59	260	0.113	2	0.86	0.084	0.39	2.7	0.20	2.3	5.1	0.15	5	5.1	4.5
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	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	<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
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



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Submitted By: Mike Skead

Receiving Lab: Canada-Whitehorse

Received: July 15, 2011

Report Date: August 11, 2011

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CERTIFICATE OF ANALYSIS

WHI11000616.1

CLIENT JOB INFORMATION

Project: PLU
Shipment ID:
P.O. Number
Number of Samples: 255

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	255	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	255	Dry at 60C			VAN
1DX2	255	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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Project:

PLU

Report Date:

August 11, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000616.1

	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 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
1082340	Soil	1.6	24.5	21.6	97	0.1	17.5	10.1	376	2.98	9.7	0.8	1.8	2.8	19	0.5	0.8	0.4	72	0.16	0.033
1082341	Soil	1.1	27.7	26.0	120	0.1	24.0	11.7	360	3.14	11.8	2.5	2.4	6.2	25	0.6	0.4	0.5	67	0.25	0.055
1082318	Soil	0.8	29.8	22.0	108	<0.1	24.7	9.6	474	2.75	9.0	2.1	4.1	5.8	22	0.5	0.5	0.4	62	0.31	0.061
1082319	Soil	0.8	30.5	23.4	110	<0.1	25.0	10.2	475	2.76	9.0	2.1	3.1	5.8	23	0.5	0.5	0.4	62	0.29	0.063
1082320	Soil	1.7	35.1	16.1	110	<0.1	30.3	11.2	492	3.39	11.4	1.1	2.5	2.8	17	0.3	0.8	0.4	69	0.18	0.045
1082330	Soil	0.5	21.9	19.3	157	<0.1	34.3	14.2	570	3.76	4.3	2.9	2.7	7.8	27	0.5	0.2	0.3	59	0.31	0.019
1082331	Soil	0.8	24.6	14.0	71	<0.1	22.5	9.2	500	2.43	8.1	1.2	2.9	4.5	17	0.4	0.4	0.2	63	0.25	0.036
1082337	Soil	2.4	30.7	24.6	111	0.1	22.1	9.3	759	2.31	7.2	1.8	2.0	3.2	22	1.0	0.6	0.2	46	0.22	0.071
1082339	Soil	1.2	23.1	33.3	123	0.5	23.7	9.0	345	3.06	10.4	2.0	2.4	6.8	18	0.8	0.6	0.4	65	0.25	0.033
1082338	Soil	0.7	25.0	23.4	75	0.1	30.1	11.3	297	2.73	9.3	1.3	1.8	6.0	26	0.5	0.4	0.3	58	0.24	0.033
1082332	Soil	0.9	42.9	35.9	255	<0.1	22.8	7.0	369	3.21	7.0	3.2	4.1	5.2	14	0.9	0.3	1.0	53	0.15	0.041
1082333	Soil	0.7	46.9	39.8	150	0.1	20.8	7.9	400	2.71	4.7	3.6	5.5	8.7	22	0.5	0.2	1.8	45	0.28	0.041
1082334	Soil	1.2	25.9	22.5	87	<0.1	24.8	10.3	350	3.05	10.4	1.2	1.6	4.8	18	0.3	0.6	0.4	71	0.19	0.042
1082335	Soil	0.7	19.7	28.1	105	<0.1	17.3	6.8	456	2.15	5.7	2.9	2.4	7.8	21	0.6	0.3	0.4	47	0.25	0.058
1082336	Soil	0.6	23.1	7.2	38	0.2	6.2	4.9	220	1.44	1.5	0.7	1.2	1.3	16	0.3	0.1	<0.1	44	0.22	0.062
1082352	Soil	0.8	16.7	11.2	64	0.1	14.0	6.5	275	1.97	6.9	0.7	1.1	3.2	23	0.2	0.4	0.2	51	0.25	0.026
1003196	Soil	1.3	27.4	16.6	79	<0.1	19.6	10.2	562	2.55	8.8	1.2	0.9	3.9	32	0.2	0.5	0.3	65	0.35	0.031
1082350	Soil	1.2	34.5	15.6	88	0.2	22.9	12.5	655	2.83	7.7	0.8	0.6	3.9	31	0.6	0.5	0.3	65	0.33	0.032
1082349	Soil	1.4	21.5	16.5	82	<0.1	22.9	9.1	247	2.75	9.9	0.8	3.2	4.7	20	0.3	0.6	0.3	68	0.21	0.021
1082348	Soil	1.5	21.7	21.2	97	0.2	25.9	10.8	354	3.13	9.5	0.8	1.7	4.6	28	0.6	0.6	0.3	74	0.26	0.032
1082325	Soil	0.7	14.3	17.5	103	<0.1	12.0	5.0	380	1.82	4.3	2.7	4.5	6.2	15	0.5	0.3	0.3	34	0.21	0.041
1082327	Soil	1.2	14.9	24.5	99	<0.1	15.3	5.5	504	3.09	5.1	2.0	1.0	5.4	18	0.4	0.3	0.3	35	0.22	0.022
1082328	Soil	3.2	37.9	25.4	126	0.1	27.6	10.6	595	3.64	12.8	1.2	2.0	2.3	20	0.4	1.3	0.4	76	0.16	0.052
1082329	Soil	2.6	31.3	16.9	104	0.3	29.1	9.5	440	2.99	10.4	1.3	0.8	2.0	20	0.4	0.8	0.3	56	0.21	0.065
1082351	Soil	1.4	26.1	17.1	96	0.1	23.3	12.9	679	2.95	7.2	0.8	1.7	4.1	30	0.5	0.5	0.3	69	0.30	0.028
1082322	Soil	2.0	31.5	22.8	100	<0.1	29.1	10.6	472	3.30	11.2	1.2	2.5	3.0	16	0.4	0.9	0.3	66	0.16	0.044
1082321	Soil	0.9	22.2	22.3	98	<0.1	21.8	7.3	401	2.15	7.1	1.9	4.9	4.8	14	0.5	0.4	0.3	44	0.16	0.032
1082324	Soil	0.8	18.5	20.9	104	<0.1	15.9	6.0	414	1.96	5.0	3.9	2.7	6.8	23	0.5	0.3	0.3	42	0.30	0.062
1082323	Soil	1.6	26.4	23.4	108	<0.1	27.0	10.7	484	2.88	9.3	1.3	3.5	2.8	18	0.3	0.7	0.3	60	0.17	0.044
1082326	Soil	0.8	13.4	15.2	95	<0.1	11.7	4.9	363	1.71	3.6	2.5	0.8	5.6	14	0.5	0.3	0.2	32	0.18	0.038



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Project: PLU
Report Date: August 11, 2011

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CERTIFICATE OF ANALYSIS

WHI11000616.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1082340	Soil	15	25	0.35	101	0.083	<1	1.45	0.014	0.08	0.1	0.01	1.7	<0.1	<0.05	8	<0.5	<0.2
1082341	Soil	80	35	0.60	107	0.104	1	2.41	0.014	0.14	0.1	0.02	3.1	0.1	<0.05	8	<0.5	<0.2
1082318	Soil	50	32	0.55	90	0.118	1	1.91	0.015	0.10	0.2	<0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
1082319	Soil	53	31	0.55	94	0.117	2	1.91	0.015	0.10	0.2	0.03	2.9	0.1	<0.05	6	<0.5	<0.2
1082320	Soil	17	32	0.55	117	0.089	2	2.00	0.013	0.06	0.2	0.04	2.4	<0.1	<0.05	8	<0.5	<0.2
1082330	Soil	92	69	0.98	136	0.089	<1	2.59	0.014	0.06	<0.1	<0.01	5.3	<0.1	<0.05	10	<0.5	<0.2
1082331	Soil	21	29	0.51	90	0.126	1	1.71	0.014	0.06	0.2	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
1082337	Soil	23	27	0.35	97	0.068	1	1.22	0.023	0.06	0.1	0.05	1.5	<0.1	<0.05	6	<0.5	<0.2
1082339	Soil	53	29	0.46	61	0.103	2	2.17	0.017	0.07	0.2	0.03	2.2	<0.1	<0.05	8	0.5	<0.2
1082338	Soil	27	30	0.51	96	0.111	2	2.52	0.015	0.08	0.1	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
1082332	Soil	77	32	0.51	86	0.092	<1	2.34	0.013	0.10	0.1	0.02	2.5	0.1	<0.05	12	<0.5	<0.2
1082333	Soil	65	29	0.52	56	0.112	<1	1.78	0.014	0.29	<0.1	0.01	3.7	0.2	<0.05	8	<0.5	<0.2
1082334	Soil	17	34	0.50	111	0.113	2	2.23	0.014	0.06	0.2	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
1082335	Soil	60	24	0.39	86	0.090	<1	1.57	0.016	0.07	0.2	<0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
1082336	Soil	9	8	0.12	37	0.066	1	0.68	0.028	0.03	<0.1	0.02	0.6	<0.1	<0.05	3	<0.5	<0.2
1082352	Soil	13	21	0.33	90	0.087	<1	1.19	0.018	0.07	0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1003196	Soil	25	30	0.45	195	0.089	<1	1.77	0.019	0.09	0.2	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
1082350	Soil	14	31	0.48	252	0.092	2	1.82	0.021	0.15	0.1	0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
1082349	Soil	12	32	0.54	109	0.085	2	1.90	0.010	0.09	0.1	<0.01	2.4	<0.1	<0.05	7	<0.5	<0.2
1082348	Soil	13	35	0.57	194	0.095	<1	2.18	0.014	0.11	0.2	0.02	2.8	0.1	<0.05	8	<0.5	<0.2
1082325	Soil	61	17	0.28	53	0.078	2	1.20	0.011	0.06	0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1082327	Soil	32	18	0.30	72	0.064	2	1.99	0.012	0.06	<0.1	0.02	3.2	<0.1	<0.05	9	<0.5	<0.2
1082328	Soil	13	31	0.49	115	0.075	1	1.91	0.010	0.06	0.1	0.06	2.1	<0.1	<0.05	10	<0.5	<0.2
1082329	Soil	13	36	0.52	117	0.063	1	2.12	0.013	0.07	0.1	0.06	1.9	0.1	0.06	8	0.8	<0.2
1082351	Soil	18	32	0.50	237	0.088	2	1.95	0.015	0.10	0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
1082322	Soil	17	34	0.54	97	0.083	2	2.04	0.011	0.06	0.1	0.03	2.4	<0.1	<0.05	8	<0.5	<0.2
1082321	Soil	41	23	0.38	93	0.091	<1	1.74	0.012	0.07	0.2	0.02	2.2	0.1	<0.05	6	<0.5	<0.2
1082324	Soil	64	22	0.34	51	0.094	1	1.19	0.015	0.07	0.2	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
1082323	Soil	18	29	0.48	106	0.083	<1	1.74	0.014	0.05	0.1	0.05	2.0	<0.1	0.05	7	<0.5	<0.2
1082326	Soil	53	17	0.26	47	0.074	2	1.13	0.011	0.05	0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2



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Project:

PLU

Report Date:

August 11, 2011

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Part 1

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	0.1	2	0.01
1086626	Soil	0.8	25.3	5.4	57	0.2	17.7	13.6	360	3.25	67.1	0.4	6.2	1.5	19	0.1	0.9	0.2	82	0.39	0.087
1086620	Soil	1.0	44.8	3.1	27	0.8	12.4	13.0	739	1.48	6.1	1.6	6.8	0.4	46	0.3	0.3	0.1	29	0.56	0.098
1086618	Soil	0.8	41.7	5.9	63	0.3	44.3	16.0	378	3.07	27.6	0.9	5.9	2.8	38	0.1	0.3	0.3	63	0.61	0.093
1086617	Soil	0.8	53.0	7.4	62	0.6	29.7	10.2	372	2.37	25.8	1.2	7.8	1.4	48	0.2	0.4	0.3	49	0.61	0.088
1086624	Soil	0.6	50.7	5.1	61	0.2	23.6	8.6	342	1.70	17.8	1.2	5.3	0.5	84	0.3	0.6	0.3	36	2.07	0.079
1086616	Soil	0.6	48.6	7.0	64	0.2	55.6	18.4	378	2.95	36.2	0.7	6.4	3.1	36	0.2	0.4	0.2	68	0.55	0.100
1086625	Soil	0.4	29.2	3.7	78	0.2	15.9	20.1	421	4.27	64.9	0.6	7.7	1.6	26	<0.1	0.8	0.1	145	0.72	0.138
1086627	Soil	0.7	28.7	5.4	56	0.1	20.6	18.1	527	3.34	241.6	0.6	26.3	1.9	21	0.2	4.5	0.4	88	0.33	0.074
1082346	Soil	1.1	18.3	16.5	72	<0.1	20.7	8.3	231	2.81	8.5	0.7	2.6	4.6	18	0.2	0.5	0.3	70	0.21	0.024
1086628	Soil	0.9	21.3	5.9	50	0.2	14.2	13.7	443	2.69	63.3	0.4	6.6	1.2	19	0.2	0.7	0.2	79	0.27	0.056
1082347	Soil	1.5	25.3	18.8	87	0.1	25.4	9.8	310	3.25	9.6	0.7	9.2	3.4	27	0.3	0.7	0.3	78	0.27	0.035
1082345	Soil	1.5	22.1	18.6	86	<0.1	24.8	10.6	320	3.21	9.1	0.6	3.8	3.2	26	0.3	0.6	0.3	74	0.25	0.035
1082344	Soil	1.0	23.1	15.7	71	<0.1	21.8	8.3	254	2.35	6.2	1.0	2.1	4.8	17	0.3	0.4	0.2	59	0.20	0.030
1082343	Soil	1.2	19.5	18.8	93	0.1	22.1	9.1	232	3.02	8.3	0.8	2.1	3.8	18	0.5	0.7	0.3	70	0.16	0.021
1082342	Soil	1.8	35.5	25.4	142	0.3	24.3	11.8	613	3.33	8.4	0.8	2.1	2.3	25	1.0	1.0	0.3	76	0.24	0.047
1086635	Soil	0.7	43.2	17.6	76	0.2	37.8	14.9	335	3.08	21.2	0.8	5.0	2.6	65	0.3	0.7	0.3	69	1.27	0.090
1086633	Soil	0.6	55.4	10.7	57	0.3	43.1	14.3	361	2.68	21.2	1.2	8.0	1.9	76	0.2	1.2	0.3	60	1.59	0.078
1086639	Soil	0.9	27.7	1.8	24	<0.1	17.8	8.5	2533	1.17	6.5	0.7	0.6	0.1	105	0.6	0.5	<0.1	24	3.12	0.077
1086642	Soil	0.7	33.7	2.2	56	0.3	19.0	4.9	236	0.91	2.3	2.0	1.0	0.4	54	2.2	0.5	<0.1	44	1.02	0.067
1086615	Soil	1.2	50.8	7.6	67	1.0	26.7	13.0	609	2.59	28.1	1.1	7.0	1.0	61	0.2	0.4	0.3	60	0.82	0.082
1086621	Soil	0.9	72.2	9.7	83	1.4	38.1	14.8	623	2.95	24.1	1.4	12.1	1.9	45	0.4	0.6	0.7	64	0.58	0.079
1086640	Soil	1.1	80.9	10.5	88	0.1	49.5	18.4	294	3.92	13.3	1.5	4.6	5.2	48	0.3	0.7	0.6	87	1.08	0.092
1086638	Soil	0.6	37.9	8.9	64	0.1	25.7	11.3	918	2.14	18.7	0.8	3.5	1.3	86	0.4	0.7	0.2	45	1.84	0.094
1086636	Soil	0.7	42.8	5.8	62	0.2	23.1	8.6	413	1.62	6.6	1.2	1.7	0.5	124	0.4	0.8	0.1	36	2.64	0.083
1086634	Soil	0.4	20.5	1.7	27	<0.1	9.0	7.9	841	1.68	95.5	0.4	3.7	0.3	55	0.2	0.5	<0.1	38	1.13	0.079
1086623	Soil	0.9	36.1	4.9	44	0.2	23.5	11.2	416	2.01	20.3	0.7	4.2	0.8	49	0.2	0.7	0.1	54	0.92	0.072
1086637	Soil	0.3	29.7	13.7	51	0.2	18.8	5.8	170	1.66	5.2	0.7	3.1	0.9	71	0.2	3.4	0.1	42	1.50	0.064
1086641	Soil	1.1	58.8	11.5	97	0.2	46.2	12.9	231	2.96	9.2	2.3	3.9	4.0	53	0.5	0.9	0.4	98	1.24	0.098
1086644	Soil	0.4	12.1	1.9	36	0.4	10.0	2.5	74	0.90	2.9	0.4	1.1	0.1	20	0.6	0.3	<0.1	39	0.33	0.050
1086643	Soil	2.4	32.5	11.2	163	0.6	37.9	11.4	324	3.20	15.7	0.7	<0.5	2.2	22	2.7	1.1	0.2	129	0.27	0.077



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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
1086626	Soil	6	26	0.72	198	0.161	1	1.70	0.022	0.35	0.2	0.02	3.0	0.2	<0.05	7	<0.5	<0.2
1086620	Soil	13	13	0.18	124	0.029	2	0.74	0.027	0.06	<0.1	0.09	1.6	<0.1	0.14	2	<0.5	<0.2
1086618	Soil	10	60	0.92	144	0.139	1	1.91	0.026	0.31	0.2	0.02	3.3	0.2	<0.05	7	<0.5	<0.2
1086617	Soil	11	37	0.56	211	0.077	1	1.76	0.022	0.21	0.1	0.05	3.0	0.2	0.06	6	0.5	<0.2
1086624	Soil	9	24	0.42	154	0.050	6	1.21	0.027	0.14	<0.1	0.03	1.6	<0.1	0.19	4	0.7	<0.2
1086616	Soil	9	69	0.94	168	0.154	2	1.77	0.019	0.40	0.1	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1086625	Soil	12	17	1.07	312	0.256	2	2.04	0.022	0.84	0.1	0.01	5.2	0.4	0.07	9	<0.5	<0.2
1086627	Soil	8	33	0.78	189	0.161	2	1.86	0.021	0.35	0.6	0.03	4.2	0.2	<0.05	6	<0.5	<0.2
1082346	Soil	13	35	0.49	65	0.089	2	1.81	0.014	0.07	0.2	0.01	2.2	<0.1	<0.05	7	<0.5	<0.2
1086628	Soil	5	22	0.50	115	0.117	2	1.36	0.020	0.19	0.3	0.03	2.0	0.1	<0.05	6	<0.5	<0.2
1082347	Soil	11	34	0.52	157	0.095	2	2.21	0.012	0.10	0.2	0.02	2.2	<0.1	<0.05	8	<0.5	<0.2
1082345	Soil	11	36	0.56	133	0.092	1	2.09	0.012	0.11	0.2	0.01	2.2	<0.1	<0.05	8	<0.5	<0.2
1082344	Soil	20	30	0.47	73	0.102	2	1.67	0.012	0.07	0.2	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
1082343	Soil	16	33	0.49	69	0.099	2	2.13	0.014	0.09	0.2	0.01	2.1	<0.1	<0.05	8	<0.5	<0.2
1082342	Soil	11	30	0.47	176	0.077	1	1.86	0.015	0.08	0.2	0.02	1.8	0.1	<0.05	9	<0.5	<0.2
1086635	Soil	12	52	0.81	103	0.095	3	1.68	0.021	0.13	0.1	0.06	3.7	0.2	0.07	6	<0.5	<0.2
1086633	Soil	15	47	0.69	95	0.087	2	1.48	0.020	0.17	0.2	0.06	3.2	0.2	0.12	5	0.7	<0.2
1086639	Soil	4	6	0.14	86	0.034	4	0.39	0.030	0.03	<0.1	0.02	0.2	<0.1	0.17	1	<0.5	<0.2
1086642	Soil	11	14	0.23	129	0.036	2	0.56	0.029	0.05	<0.1	0.05	0.9	<0.1	0.15	2	0.7	<0.2
1086615	Soil	11	35	0.49	197	0.071	2	1.68	0.023	0.16	0.2	0.05	2.8	0.1	0.12	6	<0.5	<0.2
1086621	Soil	16	52	0.69	231	0.087	1	2.47	0.019	0.20	0.3	0.09	4.6	0.2	0.08	7	<0.5	<0.2
1086640	Soil	17	75	1.17	121	0.163	2	1.99	0.022	0.27	0.2	0.03	5.4	0.3	0.08	7	0.7	<0.2
1086638	Soil	11	27	0.47	90	0.063	4	1.16	0.025	0.07	0.4	0.03	2.1	<0.1	0.17	4	<0.5	<0.2
1086636	Soil	7	24	0.42	101	0.042	3	0.98	0.021	0.07	0.4	0.05	1.2	<0.1	0.19	3	<0.5	<0.2
1086634	Soil	5	8	0.16	48	0.054	2	0.41	0.027	0.04	<0.1	0.02	0.6	<0.1	0.14	2	<0.5	<0.2
1086623	Soil	10	25	0.40	144	0.080	2	1.14	0.024	0.10	<0.1	0.04	1.7	<0.1	0.15	4	<0.5	<0.2
1086637	Soil	8	23	0.42	66	0.066	2	0.95	0.025	0.06	0.1	0.03	1.6	<0.1	0.17	3	<0.5	<0.2
1086641	Soil	25	56	0.98	231	0.121	3	2.12	0.017	0.30	0.1	0.04	4.7	0.3	0.13	8	<0.5	<0.2
1086644	Soil	5	9	0.15	124	0.047	<1	0.42	0.033	0.04	<0.1	0.02	0.5	<0.1	0.07	2	<0.5	<0.2
1086643	Soil	8	40	0.49	251	0.103	1	1.84	0.016	0.09	0.2	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2



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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
1086649	Soil	0.9	23.6	7.2	60	0.3	19.7	9.8	263	2.21	6.7	0.5	1.2	0.9	24	0.5	0.4	0.1	77	0.25	0.054
1086651	Soil	1.2	22.9	6.0	51	0.8	12.7	7.2	314	1.70	3.5	0.5	<0.5	0.7	20	1.3	0.4	0.1	57	0.21	0.045
1086652	Soil	0.8	19.8	4.5	41	0.8	10.4	6.2	280	1.54	3.2	0.4	<0.5	0.5	20	1.1	0.3	<0.1	51	0.22	0.045
1085081	Soil	1.9	35.3	7.5	42	0.1	14.0	7.9	297	2.52	10.6	0.5	2.5	0.7	13	0.1	0.7	0.3	84	0.13	0.057
1085075	Soil	3.2	45.5	14.1	93	0.2	27.5	12.8	508	4.10	33.5	1.1	4.5	0.9	20	0.2	1.2	0.3	99	0.12	0.055
1086647	Soil	0.9	32.0	5.2	54	0.5	14.9	8.5	315	1.76	5.0	0.4	1.3	1.0	24	0.8	0.4	0.1	71	0.23	0.059
1086631	Soil	1.2	22.7	6.8	43	0.2	21.1	7.9	178	2.34	33.3	0.5	2.8	2.2	19	0.1	0.6	0.2	71	0.18	0.019
1086630	Soil	0.8	19.6	4.2	29	0.5	13.5	5.4	116	1.91	14.0	0.4	3.1	0.8	15	0.2	0.4	0.2	62	0.17	0.030
1086629	Soil	0.7	41.1	7.2	69	0.1	51.2	19.9	432	4.14	95.3	0.8	10.9	4.7	57	<0.1	1.3	0.3	115	0.65	0.134
1086650	Soil	1.4	26.2	10.1	86	0.3	26.2	10.8	270	2.83	10.3	0.6	<0.5	1.7	24	0.9	0.7	0.2	97	0.21	0.049
1086632	Soil	0.4	33.3	4.7	36	0.4	18.9	6.7	234	1.49	31.3	1.0	13.0	0.8	89	0.1	0.4	0.1	40	1.35	0.053
1086622	Soil	0.4	22.5	2.3	34	0.1	13.2	6.2	291	1.62	18.0	0.6	3.9	0.5	48	0.2	0.3	<0.1	47	0.95	0.061
1086645	Soil	1.0	18.0	2.7	53	0.6	13.0	4.0	125	1.17	3.6	0.6	<0.5	0.4	23	3.1	0.3	<0.1	55	0.28	0.044
1086646	Soil	2.3	22.6	7.4	113	0.4	27.4	9.4	306	2.47	9.9	0.6	1.3	1.6	23	0.8	0.6	0.2	99	0.25	0.038
1086648	Soil	1.4	29.5	8.6	85	0.3	18.4	12.9	777	2.35	9.3	0.4	0.7	1.2	17	1.3	0.5	0.2	70	0.17	0.052
1085053	Soil	0.2	11.9	1.1	21	<0.1	3.5	3.7	77	1.28	1.8	0.1	0.9	0.1	11	<0.1	<0.1	<0.1	43	0.15	0.057
1085061	Soil	1.7	63.1	93.2	221	0.6	43.6	18.1	1369	3.61	260.1	1.0	124.9	4.9	35	1.2	2.1	0.3	50	0.30	0.062
1085051	Soil	1.4	39.7	35.2	108	0.2	31.7	12.4	388	3.40	35.3	1.8	12.0	3.6	37	0.4	0.5	0.4	66	0.30	0.091
1085057	Soil	1.6	35.4	8.6	69	0.2	44.2	15.6	538	3.34	52.0	0.8	8.1	2.7	14	0.2	0.7	0.2	76	0.15	0.043
1085058	Soil	1.2	41.8	11.3	64	0.4	37.0	14.2	527	2.87	40.9	0.8	9.6	2.7	17	0.3	0.5	0.2	70	0.20	0.051
1085080	Soil	0.5	11.4	2.1	26	<0.1	5.7	4.7	97	1.78	2.5	0.2	1.6	0.5	10	<0.1	0.2	<0.1	60	0.14	0.056
1085084	Soil	1.4	44.5	7.6	62	<0.1	30.3	12.3	288	3.41	11.3	0.8	2.1	3.0	16	0.2	0.6	0.2	75	0.16	0.040
1085083	Soil	1.1	59.4	7.8	69	<0.1	41.8	17.8	292	3.64	15.6	0.8	2.7	4.4	18	0.1	0.4	0.2	69	0.23	0.054
1085052	Soil	1.2	39.8	22.1	72	0.3	32.7	10.7	254	2.86	43.6	1.3	12.6	3.8	25	0.3	0.6	0.3	61	0.27	0.090
1085055	Soil	1.1	36.6	8.0	67	<0.1	31.2	13.1	314	3.18	25.8	0.7	2.0	3.2	15	0.2	0.5	0.2	70	0.15	0.051
1085078	Soil	2.3	29.8	14.7	69	0.2	20.3	8.9	412	3.03	19.6	0.6	1.8	0.6	16	0.2	1.0	0.3	83	0.12	0.053
1085077	Soil	2.7	32.1	9.4	70	0.2	19.8	9.0	434	3.48	20.9	0.7	2.5	1.2	15	0.2	0.9	0.2	91	0.11	0.046
1085079	Soil	1.4	25.9	6.4	49	0.2	17.5	8.2	356	2.51	7.2	0.5	1.6	0.8	17	0.1	0.5	0.2	67	0.15	0.040
1085082	Soil	2.3	46.6	8.9	49	0.1	17.8	6.9	211	2.95	17.1	0.6	6.3	1.3	15	<0.1	0.9	0.3	79	0.13	0.039
1085076	Soil	1.0	20.7	4.3	43	0.2	10.0	6.6	272	2.31	10.2	0.4	2.6	0.3	11	0.1	0.4	0.1	71	0.10	0.043



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		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
1086649	Soil	6	27	0.43	352	0.076	1	1.65	0.021	0.07	0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1086651	Soil	7	15	0.26	108	0.071	1	0.87	0.023	0.06	0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1086652	Soil	5	12	0.22	88	0.072	1	0.76	0.028	0.05	<0.1	0.03	0.8	<0.1	<0.05	4	<0.5	<0.2
1085081	Soil	7	20	0.23	81	0.084	1	0.96	0.011	0.03	0.1	0.02	1.1	<0.1	<0.05	6	<0.5	<0.2
1085075	Soil	10	39	0.46	128	0.074	<1	1.73	0.010	0.05	0.1	0.04	2.1	0.2	0.06	8	0.5	<0.2
1086647	Soil	5	18	0.28	273	0.080	1	1.06	0.027	0.06	0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1086631	Soil	10	31	0.42	77	0.119	<1	1.12	0.020	0.10	0.4	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
1086630	Soil	6	21	0.25	68	0.098	<1	0.85	0.023	0.06	0.1	0.03	1.0	<0.1	<0.05	5	<0.5	<0.2
1086629	Soil	14	109	1.60	220	0.230	<1	2.44	0.023	0.51	0.3	0.01	4.7	0.4	<0.05	8	<0.5	<0.2
1086650	Soil	8	32	0.47	277	0.106	<1	1.77	0.020	0.06	0.1	0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
1086632	Soil	16	20	0.28	69	0.055	1	0.97	0.035	0.06	0.1	0.04	2.3	<0.1	0.10	3	<0.5	<0.2
1086622	Soil	6	13	0.22	68	0.057	<1	0.58	0.029	0.04	<0.1	0.03	1.0	<0.1	0.12	3	<0.5	<0.2
1086645	Soil	5	13	0.16	369	0.047	<1	0.54	0.015	0.04	<0.1	0.04	1.3	<0.1	<0.05	3	1.4	<0.2
1086646	Soil	7	34	0.50	392	0.079	<1	1.55	0.016	0.08	0.1	0.02	2.6	<0.1	<0.05	5	0.6	<0.2
1086648	Soil	8	24	0.37	380	0.053	<1	1.40	0.015	0.06	0.2	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
1085053	Soil	3	6	0.10	19	0.059	<1	0.28	0.013	0.02	<0.1	0.03	0.4	<0.1	<0.05	2	<0.5	<0.2
1085061	Soil	18	38	0.85	131	0.011	<1	1.93	0.007	0.12	0.3	0.01	3.2	0.2	<0.05	6	0.9	<0.2
1085051	Soil	18	59	0.68	106	0.076	<1	1.76	0.011	0.11	0.3	0.01	3.9	0.1	<0.05	6	<0.5	<0.2
1085057	Soil	10	40	0.57	84	0.090	<1	1.71	0.007	0.10	0.8	0.04	2.9	0.1	<0.05	6	0.5	<0.2
1085058	Soil	9	37	0.58	97	0.098	<1	1.67	0.010	0.11	0.5	0.04	2.9	0.1	<0.05	5	0.7	<0.2
1085080	Soil	3	8	0.12	20	0.084	<1	0.46	0.015	0.02	<0.1	0.02	0.6	<0.1	<0.05	4	<0.5	<0.2
1085084	Soil	10	39	0.52	95	0.125	<1	2.12	0.012	0.09	1.5	0.03	3.2	0.1	<0.05	8	0.9	<0.2
1085083	Soil	12	49	0.65	126	0.129	1	2.93	0.013	0.11	1.0	0.03	4.2	0.1	<0.05	7	0.8	<0.2
1085052	Soil	13	43	0.54	112	0.072	<1	1.36	0.009	0.11	0.3	0.02	3.5	0.1	<0.05	5	0.5	<0.2
1085055	Soil	10	43	0.52	86	0.086	1	1.65	0.008	0.13	0.5	0.02	2.7	0.1	<0.05	5	0.8	<0.2
1085078	Soil	7	26	0.32	97	0.057	<1	1.17	0.008	0.04	<0.1	0.03	1.3	<0.1	<0.05	7	0.6	<0.2
1085077	Soil	7	28	0.34	89	0.072	<1	1.20	0.013	0.05	0.1	0.05	1.6	<0.1	<0.05	7	<0.5	<0.2
1085079	Soil	5	23	0.33	82	0.075	<1	1.04	0.010	0.05	0.1	0.04	1.5	<0.1	<0.05	5	<0.5	<0.2
1085082	Soil	9	26	0.29	121	0.057	<1	1.23	0.008	0.04	0.5	0.02	1.8	0.1	<0.05	7	0.6	<0.2
1085076	Soil	3	14	0.18	48	0.067	<1	0.61	0.009	0.03	<0.1	0.03	0.8	<0.1	<0.05	4	<0.5	<0.2



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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
1085068	Soil	1.1	41.7	16.7	71	<0.1	39.0	16.2	461	3.48	37.8	0.7	4.1	3.7	16	0.2	0.6	0.2	80	0.19
1085069	Soil	2.6	28.7	10.9	68	0.2	21.3	7.5	240	2.98	15.9	0.7	4.1	0.7	16	0.2	1.1	0.3	84	0.15
1085073	Soil	2.4	25.6	9.4	51	0.1	16.7	7.1	356	2.73	11.1	0.6	2.6	0.3	16	0.1	0.9	0.2	75	0.14
1085070	Soil	3.0	26.9	11.1	57	0.1	22.5	8.2	352	3.22	20.4	0.7	3.8	1.0	15	0.1	1.1	0.3	91	0.12
1085065	Soil	2.2	28.8	8.9	57	0.3	25.3	8.6	426	2.99	21.3	0.7	3.5	1.7	15	0.2	0.8	0.2	85	0.15
1085060	Soil	1.9	58.6	237.0	172	0.6	35.5	13.1	1590	2.99	573.2	1.1	95.3	6.5	51	2.0	3.6	0.3	37	0.21
1085072	Soil	1.8	27.7	21.5	76	0.2	27.5	10.5	302	3.77	24.6	0.6	2.9	1.8	19	0.2	0.9	0.3	79	0.20
1085074	Soil	0.2	9.7	1.1	19	0.1	2.8	3.4	89	1.17	0.8	0.1	<0.5	0.1	13	<0.1	<0.1	<0.1	39	0.17
1085071	Soil	1.8	24.5	14.7	55	0.1	21.0	8.0	292	3.12	26.2	0.6	1.8	1.1	14	0.1	0.8	0.3	69	0.12
1085064	Soil	2.3	30.5	9.9	60	0.2	28.9	8.2	312	2.96	17.8	0.7	4.4	1.2	14	0.1	0.9	0.3	82	0.13
1085054	Soil	1.3	38.6	8.8	65	<0.1	32.5	12.2	425	3.15	16.4	0.7	3.2	2.2	19	0.2	0.6	0.2	71	0.20
1085056	Soil	1.8	39.8	9.1	67	0.1	48.4	16.9	474	3.08	31.0	0.9	5.3	3.2	18	0.2	0.6	0.2	62	0.20
1085062	Soil	2.8	25.5	10.2	61	0.2	19.5	8.2	476	3.07	14.9	0.6	24.3	1.0	15	0.2	1.0	0.3	85	0.12
1085059	Soil	0.7	13.8	3.2	35	0.4	7.2	5.4	316	1.63	8.0	0.3	<0.5	0.2	12	0.1	0.3	<0.1	48	0.11
1085066	Soil	1.3	41.7	11.1	75	0.2	44.0	15.9	466	3.31	36.3	0.9	9.5	2.9	15	0.4	0.7	0.2	80	0.15
1082373	Soil	2.1	47.1	15.0	96	0.3	37.9	11.7	361	3.52	50.5	0.9	8.7	2.4	13	0.3	0.9	0.3	69	0.10
1082374	Soil	2.6	47.1	13.6	80	0.3	29.3	9.0	295	3.45	74.5	0.9	5.6	1.6	13	0.2	1.2	0.3	79	0.10
1082375	Soil	1.3	48.3	13.8	99	0.2	51.2	20.5	525	3.88	30.7	1.0	15.7	3.4	20	0.2	0.5	0.2	84	0.18
1082376	Soil	1.2	45.8	10.8	83	0.1	37.4	15.4	416	3.24	24.7	0.6	5.5	2.3	17	0.2	0.6	0.3	70	0.18
1082353	Soil	1.7	31.1	25.7	106	0.1	26.2	10.4	317	3.08	39.1	2.2	8.3	4.5	18	0.3	0.5	0.3	60	0.16
1082368	Soil	2.4	42.9	19.1	92	0.5	29.7	16.8	753	4.26	94.0	1.0	5.9	1.3	16	0.3	1.0	0.4	80	0.09
1082369	Soil	2.3	41.3	15.7	80	0.6	29.4	18.2	941	4.10	82.0	0.8	14.4	0.8	14	0.2	1.1	0.3	80	0.11
1082370	Soil	1.2	86.4	13.5	105	1.0	53.5	28.0	554	3.89	175.5	0.6	29.9	2.8	24	0.6	1.7	0.4	69	0.18
1082371	Soil	1.6	73.2	46.0	94	3.7	33.5	18.0	607	4.38	234.7	0.7	31.9	2.8	53	0.3	1.8	8.2	67	0.11
1082372	Soil	2.5	43.6	12.7	84	0.2	28.8	9.2	374	3.73	19.9	0.9	3.9	1.3	11	0.2	0.8	0.4	102	0.08
1085063	Soil	2.1	34.6	10.4	49	<0.1	29.9	7.7	255	2.78	37.8	0.7	3.9	2.1	13	0.2	0.7	0.2	95	0.13
1085067	Soil	2.3	50.9	13.4	72	0.2	30.6	11.0	457	3.38	74.2	1.0	3.2	1.8	14	0.2	1.1	0.3	83	0.12
1082365	Soil	0.3	16.6	1.3	24	0.1	4.3	4.9	143	1.38	2.8	0.2	5.0	0.2	9	<0.1	<0.1	<0.1	48	0.14
1082366	Soil	1.7	55.4	82.3	114	0.5	39.6	16.2	484	3.54	115.5	0.9	16.7	2.8	26	0.7	1.0	0.5	65	0.15
1082367	Soil	2.5	35.0	30.5	87	0.5	26.8	15.7	793	4.01	58.8	1.0	9.7	1.9	21	0.4	1.1	0.3	83	0.10



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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
1085068	Soil	10	57	0.91	114	0.114	<1	2.35	0.012	0.08	0.3	0.02	4.0	0.1	<0.05	7	0.8	<0.2
1085069	Soil	8	30	0.33	93	0.055	1	1.33	0.008	0.05	0.1	0.06	1.8	0.1	<0.05	8	0.6	<0.2
1085073	Soil	6	23	0.27	91	0.055	<1	1.06	0.009	0.05	0.1	0.04	1.4	0.1	0.05	7	1.0	<0.2
1085070	Soil	8	30	0.34	93	0.073	<1	1.17	0.009	0.06	0.1	0.05	2.0	0.1	<0.05	8	0.9	<0.2
1085065	Soil	8	34	0.41	89	0.088	<1	1.38	0.008	0.07	0.2	0.05	2.1	<0.1	<0.05	8	<0.5	<0.2
1085060	Soil	22	23	0.49	131	0.006	<1	1.28	0.005	0.11	0.3	0.01	2.3	0.2	<0.05	4	0.8	0.3
1085072	Soil	8	37	0.56	118	0.089	<1	1.96	0.008	0.06	0.1	0.04	2.7	0.1	<0.05	8	0.8	<0.2
1085074	Soil	3	4	0.08	26	0.053	<1	0.32	0.014	0.02	<0.1	0.02	0.4	<0.1	<0.05	2	<0.5	<0.2
1085071	Soil	7	28	0.36	89	0.070	<1	1.26	0.009	0.05	0.1	0.04	1.9	<0.1	<0.05	7	0.7	<0.2
1085064	Soil	7	39	0.44	77	0.075	<1	1.67	0.009	0.06	0.2	0.06	2.2	0.1	<0.05	8	0.8	<0.2
1085054	Soil	9	40	0.61	126	0.093	1	1.88	0.012	0.09	0.3	0.02	3.1	0.1	<0.05	6	0.6	<0.2
1085056	Soil	10	33	0.48	91	0.079	<1	1.30	0.008	0.10	2.1	0.03	2.6	0.1	<0.05	5	0.7	<0.2
1085062	Soil	7	26	0.30	93	0.075	<1	1.20	0.008	0.06	0.1	0.03	1.6	0.1	<0.05	8	0.7	<0.2
1085059	Soil	3	10	0.16	54	0.053	1	0.58	0.014	0.03	<0.1	0.04	0.6	<0.1	<0.05	3	<0.5	<0.2
1085066	Soil	11	52	0.71	94	0.092	2	2.32	0.011	0.12	0.3	0.05	3.2	0.1	<0.05	6	0.9	<0.2
1082373	Soil	9	37	0.54	152	0.094	<1	1.65	0.007	0.30	0.2	0.02	2.5	0.2	<0.05	6	1.1	<0.2
1082374	Soil	10	33	0.39	118	0.079	<1	1.52	0.007	0.17	0.2	0.03	2.2	0.2	<0.05	7	1.1	<0.2
1082375	Soil	12	57	0.82	261	0.139	<1	2.57	0.009	0.38	0.2	0.03	4.2	0.3	<0.05	8	0.8	<0.2
1082376	Soil	8	38	0.63	158	0.109	2	1.82	0.010	0.22	0.2	0.03	3.1	0.2	<0.05	5	0.8	<0.2
1082353	Soil	20	42	0.51	83	0.067	2	1.43	0.011	0.09	0.7	0.02	2.8	<0.1	<0.05	5	0.5	<0.2
1082368	Soil	10	41	0.68	89	0.057	2	2.48	0.008	0.07	0.2	0.07	2.9	0.1	0.08	8	0.7	<0.2
1082369	Soil	11	44	0.74	84	0.050	2	2.45	0.008	0.07	0.1	0.06	2.5	0.1	0.07	7	0.5	<0.2
1082370	Soil	8	39	0.63	143	0.091	2	1.77	0.016	0.20	0.2	0.02	2.8	0.2	0.14	5	1.1	<0.2
1082371	Soil	12	32	0.53	216	0.076	1	1.83	0.010	0.27	0.2	0.04	2.9	0.2	0.31	5	<0.5	0.7
1082372	Soil	8	43	0.51	133	0.105	2	1.68	0.007	0.21	0.2	0.05	2.4	0.2	<0.05	8	1.0	<0.2
1085063	Soil	8	45	0.43	71	0.102	1	1.16	0.007	0.11	0.2	0.03	2.5	<0.1	<0.05	7	0.5	<0.2
1085067	Soil	10	40	0.53	71	0.064	1	2.02	0.009	0.06	0.4	0.08	2.4	0.1	<0.05	8	0.8	<0.2
1082365	Soil	3	6	0.10	25	0.061	1	0.37	0.012	0.03	<0.1	0.03	0.4	<0.1	<0.05	2	<0.5	<0.2
1082366	Soil	10	37	0.61	92	0.089	2	1.89	0.012	0.11	0.3	0.03	2.9	0.1	<0.05	5	0.9	0.3
1082367	Soil	12	43	0.59	101	0.076	1	2.04	0.010	0.10	0.2	0.04	3.2	0.1	<0.05	7	0.6	<0.2



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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
1082364	Soil	2.1	45.3	12.5	80	0.3	29.5	11.7	471	3.79	61.4	0.7	15.3	2.1	19	0.2	0.8	0.2	69	0.15	0.063
1082378	Soil	1.7	33.0	8.3	56	0.2	17.4	7.0	230	2.16	18.2	0.6	3.7	0.3	18	0.4	0.8	0.2	50	0.17	0.071
1082377	Soil	3.0	40.2	17.0	71	0.3	26.1	9.2	270	3.40	45.0	0.6	3.8	0.7	14	0.2	1.8	0.3	84	0.09	0.058
1082380	Soil	1.8	50.5	23.3	59	0.6	17.8	7.8	269	3.22	57.4	0.8	16.2	0.6	30	0.3	0.9	0.4	57	0.15	0.103
1082383	Soil	2.7	65.9	11.9	61	0.1	22.8	9.1	251	3.82	18.9	0.8	3.5	2.5	40	0.2	1.0	0.4	107	0.14	0.064
1082359	Soil	1.3	39.4	8.6	74	0.2	33.9	18.1	503	3.34	21.7	0.9	5.0	2.9	15	0.3	0.5	0.3	67	0.18	0.071
1082360	Soil	1.5	47.8	8.6	57	0.5	26.7	13.1	337	3.25	83.0	0.7	6.5	3.1	19	0.2	0.6	0.3	65	0.16	0.069
1082361	Soil	2.3	38.4	13.1	50	0.7	18.7	8.3	248	3.21	221.5	0.9	19.8	4.2	24	0.2	1.0	0.4	52	0.18	0.090
1082362	Soil	2.4	36.9	13.0	72	0.7	29.3	14.4	585	3.60	86.0	0.9	14.9	2.4	17	0.3	0.9	0.3	66	0.13	0.063
1082363	Soil	2.4	43.0	48.4	81	0.6	29.5	11.5	399	3.86	50.5	1.0	36.2	2.7	15	0.4	0.8	0.4	74	0.11	0.057
1082355	Soil	1.8	32.2	25.1	127	0.3	28.8	9.8	452	2.97	43.1	1.8	7.1	4.9	17	0.4	0.5	0.5	53	0.22	0.080
1082354	Soil	1.1	36.9	13.4	78	0.1	33.7	13.6	465	3.00	31.4	0.9	6.9	2.5	17	0.4	0.6	0.2	66	0.18	0.062
1082356	Soil	2.1	32.4	17.3	88	<0.1	25.7	10.9	414	3.54	18.9	0.7	4.9	1.6	18	0.3	0.8	0.4	73	0.17	0.056
1082357	Soil	1.9	44.3	17.2	126	0.3	33.3	17.1	455	4.08	57.4	1.2	8.8	2.9	21	0.8	0.7	0.7	63	0.21	0.113
1082358	Soil	2.0	38.1	23.5	129	0.2	37.2	14.4	508	3.98	53.2	2.8	5.8	2.7	13	0.5	0.7	0.5	55	0.13	0.082
1080038	Soil	3.3	27.9	21.7	76	0.3	29.2	11.6	359	4.17	24.8	0.7	3.4	2.1	11	0.3	0.9	0.3	97	0.11	0.051
1080036	Soil	2.6	35.3	31.4	67	0.3	30.5	10.7	333	3.02	34.2	0.7	11.4	3.0	16	0.3	0.7	0.2	76	0.21	0.066
1080025	Soil	4.6	51.4	23.4	112	0.2	26.9	11.3	731	3.75	17.1	3.1	2.7	1.4	13	0.2	1.2	0.3	79	0.11	0.070
1080026	Soil	2.6	44.4	13.5	80	<0.1	31.6	10.7	340	3.41	12.6	1.0	4.9	1.8	13	0.3	0.7	0.2	79	0.13	0.040
1080035	Soil	1.6	40.2	37.5	78	0.2	26.7	10.2	221	2.91	18.8	0.9	23.4	3.1	17	0.3	0.5	0.2	67	0.24	0.057
1080031	Soil	2.5	38.9	14.1	67	0.2	27.5	10.5	331	2.54	16.7	0.7	3.5	1.4	20	0.3	0.5	0.2	71	0.25	0.062
1080027	Soil	2.8	45.3	12.8	61	0.3	29.5	10.5	252	3.61	16.7	0.9	4.6	2.3	15	0.4	0.9	0.2	93	0.15	0.043
1080034	Soil	2.2	61.1	30.7	82	0.1	34.3	16.5	514	3.22	29.6	1.1	4.6	3.9	19	0.4	0.5	0.2	70	0.20	0.070
1080023	Soil	1.7	45.8	15.4	93	0.2	32.3	11.9	358	2.96	12.3	1.8	3.8	4.8	13	0.8	0.4	0.2	64	0.16	0.042
1080037	Soil	2.4	30.1	23.1	85	0.2	34.4	20.6	793	4.00	27.5	0.8	7.4	2.8	12	0.6	0.7	0.4	86	0.14	0.060
1082385	Soil	2.2	150.4	23.4	90	1.0	95.2	45.5	2512	7.83	687.2	2.2	31.9	12.6	86	0.7	4.6	1.6	75	0.41	0.159
1082379	Soil	1.4	49.5	11.4	53	0.8	15.9	5.7	139	2.24	47.4	1.0	11.2	0.3	19	0.3	0.9	0.6	39	0.15	0.081
1082381	Soil	4.7	54.2	10.4	56	0.3	31.1	12.5	368	3.56	67.2	0.9	13.9	3.1	24	0.2	1.0	0.4	66	0.13	0.056
1082382	Soil	4.6	63.9	13.5	66	0.3	21.8	8.1	273	4.05	45.4	0.8	8.9	1.7	16	0.1	1.1	0.3	93	0.11	0.061
1082384	Soil	2.3	152.7	25.4	89	1.0	94.8	46.1	2451	7.62	747.6	2.2	34.6	12.9	85	0.7	4.9	1.5	70	0.41	0.155



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Part 2

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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
1082364	Soil	10	39	0.52	111	0.073	<1	2.00	0.010	0.09	0.6	0.04	2.5	0.1	0.10	6	1.1	<0.2
1082378	Soil	6	21	0.26	92	0.041	2	1.06	0.016	0.06	0.1	0.06	1.2	<0.1	0.07	4	0.9	<0.2
1082377	Soil	7	36	0.39	112	0.072	2	1.40	0.007	0.10	0.2	0.06	2.1	0.1	0.05	7	0.5	<0.2
1082380	Soil	9	27	0.30	113	0.034	1	1.17	0.016	0.11	0.1	0.06	1.1	0.1	0.22	5	0.8	<0.2
1082383	Soil	12	48	0.73	125	0.090	<1	2.26	0.015	0.10	0.2	0.03	3.7	0.1	0.12	10	1.3	<0.2
1082359	Soil	12	40	0.55	89	0.073	1	1.87	0.009	0.10	0.6	0.02	3.0	<0.1	<0.05	5	0.8	<0.2
1082360	Soil	12	37	0.51	96	0.056	<1	1.71	0.013	0.10	0.2	0.03	2.7	<0.1	0.11	5	0.7	<0.2
1082361	Soil	12	27	0.33	94	0.057	<1	1.11	0.011	0.10	0.2	0.02	2.1	<0.1	0.08	3	1.1	<0.2
1082362	Soil	12	36	0.58	108	0.085	2	1.96	0.010	0.11	0.3	0.04	3.4	0.1	0.09	6	0.9	<0.2
1082363	Soil	11	40	0.55	101	0.075	<1	2.02	0.010	0.10	0.5	0.04	2.8	0.1	0.07	6	1.0	<0.2
1082355	Soil	28	32	0.46	98	0.065	1	1.64	0.010	0.08	0.8	0.02	2.5	<0.1	<0.05	6	0.8	0.2
1082354	Soil	12	43	0.57	94	0.080	2	1.86	0.011	0.09	0.5	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1082356	Soil	12	37	0.49	103	0.070	2	1.81	0.009	0.06	0.4	0.03	2.3	<0.1	<0.05	7	<0.5	<0.2
1082357	Soil	20	29	0.61	122	0.047	<1	1.81	0.007	0.08	1.6	0.02	3.2	0.1	<0.05	7	0.9	<0.2
1082358	Soil	35	44	0.50	78	0.047	<1	1.83	0.009	0.08	1.2	0.03	2.6	0.1	<0.05	6	1.0	<0.2
1080038	Soil	9	43	0.52	75	0.084	2	2.22	0.007	0.07	0.6	0.04	2.8	0.1	<0.05	9	0.8	<0.2
1080036	Soil	10	37	0.52	81	0.085	1	1.67	0.008	0.09	0.8	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
1080025	Soil	21	36	0.44	86	0.049	1	1.87	0.009	0.07	1.2	0.06	1.8	0.1	0.05	8	1.2	<0.2
1080026	Soil	10	43	0.50	81	0.081	2	1.97	0.008	0.07	1.0	0.05	2.7	0.1	<0.05	7	0.6	<0.2
1080035	Soil	12	42	0.55	104	0.089	1	2.04	0.009	0.08	1.1	0.02	3.2	0.1	<0.05	6	0.8	<0.2
1080031	Soil	9	33	0.41	104	0.072	1	1.24	0.011	0.08	0.3	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
1080027	Soil	10	38	0.43	78	0.096	1	1.63	0.008	0.08	0.6	0.03	2.6	0.1	<0.05	8	0.5	<0.2
1080034	Soil	11	45	0.64	97	0.092	1	2.24	0.010	0.08	0.4	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
1080023	Soil	15	39	0.53	82	0.088	1	1.60	0.009	0.11	0.3	0.02	2.9	0.1	<0.05	4	0.9	<0.2
1080037	Soil	10	48	0.71	93	0.105	2	2.33	0.009	0.09	0.7	0.03	3.4	0.1	0.06	8	<0.5	<0.2
1082385	Soil	21	52	1.07	143	0.066	2	2.88	0.035	0.12	0.3	0.03	5.7	0.3	0.12	6	2.4	0.4
1082379	Soil	7	15	0.16	113	0.018	2	0.80	0.013	0.12	0.1	0.04	1.0	0.1	0.23	3	0.8	<0.2
1082381	Soil	9	38	0.55	140	0.072	1	1.51	0.012	0.19	0.6	0.02	2.5	0.2	0.16	4	0.8	<0.2
1082382	Soil	8	40	0.48	78	0.071	2	1.92	0.010	0.07	0.3	0.05	2.3	<0.1	0.10	8	0.8	<0.2
1082384	Soil	22	49	1.05	139	0.059	2	2.68	0.033	0.13	0.3	0.03	6.0	0.3	0.09	6	2.1	0.6



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Part 1

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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	%	%
1080014	Soil	1.4	53.6	17.6	69	0.2	33.6	15.5	377	3.44	61.2	0.8	41.3	2.9	18	0.3	0.8	0.4	63	0.17	0.076
1080017	Soil	1.5	38.8	12.6	82	<0.1	31.4	13.9	428	3.40	24.3	0.8	7.2	2.5	13	0.4	0.6	0.2	69	0.15	0.057
1080020	Soil	2.0	41.0	13.1	98	<0.1	30.7	14.3	522	3.74	13.1	0.9	5.1	1.7	12	0.4	0.8	0.3	79	0.12	0.055
1080032	Soil	3.3	54.2	21.0	101	0.3	43.6	21.6	830	4.03	25.3	1.1	8.7	2.9	45	0.3	0.4	0.2	86	0.37	0.090
1080039	Soil	2.8	27.8	21.5	75	0.2	31.0	12.7	410	4.15	24.5	0.7	7.2	2.5	11	0.3	0.8	0.4	92	0.11	0.054
1080012	Soil	1.2	45.8	14.3	61	0.2	27.3	10.8	329	3.32	34.0	0.7	27.4	2.9	18	0.2	0.6	0.4	64	0.14	0.056
1080013	Soil	1.2	52.3	17.7	66	0.2	32.3	14.8	337	3.21	54.0	0.7	31.2	3.0	18	0.3	0.7	0.4	60	0.17	0.071
1080019	Soil	2.7	38.7	14.7	97	<0.1	29.2	11.3	424	3.81	18.9	1.0	6.5	1.7	12	0.2	1.0	0.4	93	0.10	0.044
1080015	Soil	3.4	44.9	15.8	87	0.1	27.2	13.4	750	4.11	18.2	1.0	5.6	0.8	13	0.2	1.4	0.4	96	0.09	0.061
1080011	Soil	1.3	88.3	15.1	69	0.2	31.0	14.7	316	3.27	49.7	0.7	10.8	2.5	19	0.3	0.6	0.3	67	0.14	0.056
1080029	Soil	2.1	89.6	16.8	104	0.6	61.9	17.5	537	3.94	18.1	1.5	14.1	4.3	17	0.4	0.4	0.3	105	0.21	0.071
1080021	Soil	2.0	49.0	17.9	106	0.2	36.3	14.2	393	3.51	15.8	1.9	6.6	3.0	12	0.5	0.5	0.3	75	0.12	0.051
1080016	Soil	1.4	38.1	12.4	80	<0.1	30.7	14.0	418	3.23	22.8	0.8	7.5	2.5	13	0.4	0.5	0.2	69	0.15	0.059
1080018	Soil	1.4	64.6	17.2	100	0.2	43.1	17.7	637	3.57	29.8	1.7	13.3	3.2	12	0.6	0.5	0.3	76	0.12	0.061
1080022	Soil	2.4	42.1	14.8	121	<0.1	35.0	13.7	627	4.01	14.2	1.4	3.9	1.5	14	0.4	0.8	0.3	90	0.11	0.062
1084724	Soil	2.8	28.8	13.7	58	<0.1	25.8	8.5	280	3.40	21.6	0.6	4.5	1.9	13	0.2	1.1	0.4	95	0.10	0.038
1084723	Soil	1.2	57.7	7.8	63	0.2	77.7	17.3	429	3.35	50.8	0.8	12.2	2.3	13	0.1	0.9	0.3	70	0.15	0.056
1084722	Soil	1.3	57.3	7.7	63	0.2	72.0	15.2	394	3.15	49.6	0.7	10.4	2.1	12	0.1	0.9	0.3	72	0.14	0.052
1084716	Soil	1.9	41.3	10.6	79	<0.1	44.8	10.7	246	3.48	47.1	1.2	6.7	2.1	10	0.1	1.0	0.3	63	0.09	0.060
1084718	Soil	1.6	40.5	7.5	51	<0.1	36.1	8.4	235	2.96	11.8	0.5	2.5	0.8	10	<0.1	0.7	0.2	75	0.09	0.046
1080009	Soil	3.3	44.2	20.7	93	0.3	25.7	10.2	495	3.49	30.2	1.1	152.8	0.3	15	0.4	1.3	0.3	87	0.10	0.089
1080010	Soil	2.5	38.8	14.4	77	0.2	25.2	11.5	568	3.86	63.3	0.8	21.8	1.2	15	0.2	1.2	0.5	72	0.11	0.057
1080028	Soil	1.4	52.2	10.7	73	0.2	38.9	13.5	438	2.93	10.8	1.1	8.3	3.4	17	0.4	0.5	0.2	71	0.27	0.081
1080033	Soil	1.4	44.0	13.8	63	0.2	30.8	13.7	438	3.03	15.8	0.8	5.3	2.7	18	0.3	0.4	0.2	71	0.18	0.047
1080030	Soil	1.9	45.5	19.9	78	0.2	32.2	11.7	417	2.97	18.4	1.0	6.5	2.7	16	0.5	0.4	0.2	70	0.19	0.066
1080024	Soil	2.5	197.1	17.2	167	0.6	49.7	21.2	526	4.19	10.5	4.4	3.7	6.4	24	0.5	0.4	0.2	115	0.21	0.065
1080006	Soil	2.1	50.0	77.3	101	0.5	25.4	9.2	324	3.10	87.5	2.0	27.3	3.2	18	0.6	1.1	0.4	57	0.11	0.059
1080007	Soil	1.9	84.2	280.5	237	2.2	40.1	10.0	344	2.99	187.7	2.2	49.8	5.1	37	1.6	1.9	0.4	47	0.11	0.072
1080005	Soil	2.6	40.0	79.4	146	0.2	25.8	12.2	456	3.62	69.0	3.9	9.0	3.0	15	0.5	1.1	0.4	63	0.10	0.063
1080008	Soil	2.7	40.1	28.3	92	0.3	25.6	8.6	313	3.51	52.9	0.8	6.5	1.1	18	0.2	1.2	0.3	81	0.11	0.059



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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
1080014	Soil	9	34	0.54	100	0.084	1	1.73	0.011	0.10	0.2	<0.01	2.6	0.1	0.07	4	0.8	<0.2
1080017	Soil	8	40	0.59	90	0.094	2	1.92	0.008	0.11	0.2	0.02	3.0	0.1	<0.05	6	0.7	<0.2
1080020	Soil	9	42	0.58	82	0.088	2	2.04	0.008	0.09	0.1	0.03	2.7	0.1	<0.05	7	0.7	<0.2
1080032	Soil	12	81	1.31	185	0.071	<1	2.62	0.022	0.26	0.2	<0.01	4.6	0.4	<0.05	8	<0.5	<0.2
1080039	Soil	9	41	0.54	78	0.091	2	2.35	0.007	0.07	0.9	0.03	2.8	0.1	<0.05	8	0.6	<0.2
1080012	Soil	9	35	0.54	103	0.090	1	1.73	0.011	0.11	0.2	0.01	2.8	0.1	0.07	4	0.6	<0.2
1080013	Soil	9	33	0.52	98	0.079	1	1.60	0.010	0.10	0.2	<0.01	2.6	0.1	<0.05	4	<0.5	0.2
1080019	Soil	9	40	0.47	82	0.095	2	1.80	0.006	0.09	0.1	0.04	2.5	0.2	<0.05	8	<0.5	<0.2
1080015	Soil	8	35	0.42	89	0.080	1	1.56	0.006	0.07	0.1	0.05	1.9	0.1	<0.05	9	<0.5	<0.2
1080011	Soil	9	38	0.56	105	0.082	<1	1.78	0.013	0.10	0.2	0.03	2.8	0.1	<0.05	5	0.6	<0.2
1080029	Soil	14	80	0.90	205	0.119	<1	2.50	0.013	0.28	1.1	0.03	5.1	0.4	<0.05	8	<0.5	<0.2
1080021	Soil	15	44	0.54	84	0.085	1	1.90	0.007	0.13	0.2	0.04	3.0	0.2	<0.05	6	0.6	<0.2
1080016	Soil	9	40	0.59	88	0.097	1	1.92	0.010	0.11	0.2	0.03	3.0	0.1	<0.05	6	<0.5	<0.2
1080018	Soil	13	42	0.62	125	0.109	2	2.26	0.010	0.12	0.2	0.05	3.6	0.1	<0.05	6	0.6	<0.2
1080022	Soil	12	49	0.65	101	0.079	<1	2.37	0.008	0.10	0.2	0.04	2.6	0.2	<0.05	8	<0.5	<0.2
1084724	Soil	9	34	0.39	91	0.082	1	1.67	0.008	0.05	0.1	0.04	2.4	0.1	<0.05	9	<0.5	<0.2
1084723	Soil	9	92	0.85	108	0.065	1	2.15	0.010	0.12	0.2	0.04	3.9	0.2	<0.05	6	<0.5	<0.2
1084722	Soil	9	89	0.81	106	0.067	<1	2.16	0.009	0.12	0.2	0.04	3.9	0.1	<0.05	6	0.7	<0.2
1084716	Soil	11	46	0.38	83	0.056	<1	1.07	0.005	0.12	<0.1	0.02	1.8	0.1	<0.05	5	0.7	<0.2
1084718	Soil	6	59	0.51	66	0.084	<1	1.33	0.008	0.09	0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
1080009	Soil	8	34	0.36	96	0.045	1	1.25	0.007	0.06	<0.1	0.08	1.4	0.1	0.07	7	<0.5	<0.2
1080010	Soil	9	36	0.49	80	0.068	1	1.56	0.009	0.07	0.2	0.05	2.2	0.1	<0.05	7	0.9	<0.2
1080028	Soil	10	42	0.59	127	0.099	<1	1.64	0.012	0.13	0.5	0.03	3.2	0.1	<0.05	5	<0.5	<0.2
1080033	Soil	9	41	0.61	86	0.106	1	2.14	0.011	0.07	0.3	0.02	3.5	<0.1	<0.05	6	0.6	<0.2
1080030	Soil	12	44	0.62	110	0.080	<1	1.78	0.009	0.11	0.4	0.03	3.0	0.1	<0.05	6	<0.5	<0.2
1080024	Soil	35	81	1.05	193	0.137	<1	2.52	0.012	0.34	10.5	0.01	7.3	0.4	<0.05	10	1.0	<0.2
1080006	Soil	13	28	0.37	89	0.061	<1	1.45	0.008	0.08	0.2	0.05	2.3	0.1	0.05	5	0.9	<0.2
1080007	Soil	17	45	0.43	197	0.065	<1	1.43	0.011	0.19	0.1	0.01	2.6	0.2	0.16	4	0.8	0.3
1080005	Soil	13	32	0.45	76	0.045	<1	1.71	0.007	0.06	0.2	0.06	1.8	0.1	<0.05	7	0.9	<0.2
1080008	Soil	9	34	0.40	106	0.059	1	1.66	0.007	0.07	<0.1	0.04	2.1	0.1	<0.05	8	0.5	<0.2



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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
1084708	Soil	1.1	40.0	13.9	75	0.3	47.8	11.9	344	2.83	17.7	0.8	9.3	3.0	14	0.3	0.8	0.3	59	0.26	0.097
1084705	Soil	1.6	50.1	9.3	82	0.3	31.9	12.7	430	3.21	20.8	0.7	4.3	1.0	13	0.1	1.4	0.3	82	0.14	0.070
1084712	Soil	0.4	18.3	1.8	24	<0.1	7.2	4.5	125	1.35	3.5	0.2	0.7	0.2	11	<0.1	0.2	<0.1	42	0.16	0.069
1084706	Soil	1.1	48.7	8.8	111	0.2	42.2	15.6	407	3.58	24.5	0.6	6.3	2.5	16	0.2	0.8	0.3	72	0.16	0.045
1084707	Soil	2.1	36.2	11.3	80	0.2	28.4	10.3	370	3.45	17.8	0.6	6.1	0.9	16	0.2	1.0	0.3	80	0.15	0.066
1084715	Soil	1.7	43.9	8.9	73	0.1	46.5	10.0	264	3.41	17.4	0.8	4.0	1.9	12	0.2	0.7	0.3	71	0.15	0.058
1084717	Soil	0.2	73.1	1.4	24	<0.1	55.1	10.9	193	1.25	6.2	0.2	1.1	0.8	9	<0.1	0.2	0.6	28	0.24	0.061
1084711	Soil	2.9	47.7	14.4	81	0.1	31.2	10.6	502	3.48	33.6	0.8	5.2	1.0	14	0.2	1.4	0.4	85	0.10	0.051
1084709	Soil	1.5	108.2	1048	74	4.6	31.3	9.3	284	3.00	78.7	0.8	28.7	2.5	16	0.3	44.3	0.3	64	0.14	0.062
1084710	Soil	2.5	42.5	22.1	79	0.4	28.5	8.8	263	3.49	18.2	0.7	6.9	0.5	16	0.3	1.4	0.3	88	0.15	0.054
1084721	Soil	2.2	32.8	9.5	53	0.3	23.7	7.2	222	3.15	26.0	0.5	3.6	0.6	12	0.1	1.0	0.3	80	0.12	0.053
1084720	Soil	0.9	56.1	5.8	66	0.1	93.1	16.6	375	2.83	25.2	0.6	19.8	3.1	12	0.1	0.7	0.2	61	0.27	0.082
1084719	Soil	0.7	93.2	4.9	49	0.7	122.0	20.0	387	2.92	21.5	0.4	7.2	0.8	11	<0.1	0.7	0.3	63	0.19	0.053
1084714	Soil	2.6	34.6	11.5	75	0.1	28.2	9.1	305	3.70	15.4	0.6	3.1	1.4	11	0.1	1.0	0.3	89	0.10	0.034
1084713	Soil	0.9	38.5	8.1	67	<0.1	52.6	15.3	374	2.93	16.9	0.7	6.4	3.3	14	0.2	0.6	0.2	66	0.23	0.055
1084730	Soil	1.0	37.1	7.1	73	0.1	36.9	13.1	290	3.04	30.0	0.7	3.8	2.9	10	0.2	0.4	0.2	57	0.14	0.046
1084734	Soil	1.1	36.6	9.5	89	<0.1	44.0	13.6	420	3.23	15.1	0.7	1.8	2.7	10	0.2	0.4	0.2	67	0.15	0.062
1084735	Soil	1.9	34.2	10.6	67	<0.1	32.7	10.8	346	3.59	15.9	0.6	1.8	1.5	14	0.2	0.9	0.3	86	0.14	0.043
1084727	Soil	1.5	38.0	8.2	69	0.2	34.4	11.5	364	3.01	50.4	0.6	3.5	1.7	14	0.1	0.8	0.4	62	0.12	0.051
1084733	Soil	1.7	33.0	8.9	61	<0.1	29.3	8.1	198	3.15	19.8	0.5	2.7	1.9	10	0.2	0.6	0.3	63	0.10	0.039
1084726	Soil	0.9	43.4	7.1	66	<0.1	51.5	16.2	432	2.89	32.0	0.7	4.9	2.8	11	0.2	0.6	0.2	54	0.16	0.058
1084728	Soil	1.3	33.7	8.0	66	<0.1	34.3	13.2	348	2.97	30.2	0.9	2.2	3.1	12	0.2	0.6	0.2	58	0.16	0.051
1084729	Soil	1.2	35.7	7.5	74	<0.1	34.9	12.7	317	3.01	31.6	0.8	6.1	3.0	11	0.1	0.5	0.2	60	0.11	0.041
1084731	Soil	1.3	33.7	9.7	72	0.1	38.5	12.2	321	2.95	32.3	0.8	2.7	2.7	11	0.2	0.5	0.3	55	0.12	0.055
1084732	Soil	1.4	31.1	11.1	58	<0.1	28.2	8.4	209	3.15	19.8	0.5	2.3	1.9	10	0.2	0.6	0.3	65	0.11	0.038
1084701	Soil	0.9	46.8	9.2	82	0.1	42.5	15.6	418	3.33	37.7	0.7	4.6	3.0	21	0.3	0.7	0.2	70	0.23	0.058
1084703	Soil	1.8	35.4	12.4	72	0.2	24.5	8.6	341	3.45	42.9	0.7	10.4	1.0	16	0.2	1.0	0.3	74	0.14	0.057
1084704	Soil	1.2	47.6	11.3	78	0.2	32.7	10.6	330	4.09	51.5	1.0	7.3	2.2	17	0.2	1.0	0.4	64	0.15	0.073
1084702	Soil	2.2	34.1	12.0	84	0.3	29.6	13.3	532	3.80	72.7	0.8	6.8	1.6	15	0.2	1.3	0.3	77	0.13	0.053
1084725	Soil	1.2	39.0	13.4	76	<0.1	40.2	12.7	335	3.25	45.3	0.6	6.4	1.8	11	0.5	0.8	0.2	63	0.12	0.047



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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	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1084708	Soil	10	45	0.63	116	0.085	1	1.60	0.009	0.23	0.3	0.02	2.5	0.2	<0.05	4	<0.5
1084705	Soil	8	38	0.55	112	0.093	2	1.54	0.008	0.17	0.3	0.05	2.3	0.2	0.06	7	<0.5
1084712	Soil	4	10	0.13	39	0.057	<1	0.45	0.010	0.04	<0.1	0.01	0.5	<0.1	<0.05	3	<0.5
1084706	Soil	9	42	0.68	149	0.102	2	1.90	0.009	0.20	1.2	0.03	3.1	0.2	0.07	6	<0.5
1084707	Soil	9	38	0.52	129	0.076	1	1.62	0.006	0.15	0.2	0.04	2.4	0.1	0.06	7	<0.5
1084715	Soil	9	54	0.62	125	0.107	1	1.57	0.004	0.20	0.1	0.03	2.4	0.2	<0.05	7	<0.5
1084717	Soil	3	62	0.53	63	0.047	<1	0.90	0.010	0.06	0.1	0.01	1.8	<0.1	<0.05	2	<0.5
1084711	Soil	11	37	0.36	108	0.067	<1	1.42	0.004	0.07	0.2	0.03	1.9	0.1	<0.05	8	<0.5
1084709	Soil	9	38	0.50	122	0.089	1	1.43	0.011	0.14	0.2	0.05	2.8	<0.1	0.12	5	1.8
1084710	Soil	9	36	0.39	119	0.059	<1	1.56	0.005	0.04	0.1	0.04	1.9	0.1	<0.05	8	<0.5
1084721	Soil	8	38	0.35	68	0.066	<1	1.32	0.006	0.05	0.1	0.04	1.7	0.1	<0.05	7	<0.5
1084720	Soil	11	112	1.01	146	0.086	<1	1.62	0.007	0.19	0.3	0.02	3.5	0.2	<0.05	5	<0.5
1084719	Soil	5	145	1.06	122	0.074	<1	2.21	0.007	0.12	0.2	0.03	3.9	0.2	<0.05	6	<0.5
1084714	Soil	9	41	0.48	67	0.090	1	1.67	0.003	0.08	0.1	0.04	2.2	0.1	<0.05	9	<0.5
1084713	Soil	13	55	0.75	109	0.113	1	2.02	0.008	0.19	0.2	0.03	3.1	0.2	<0.05	5	<0.5
1084730	Soil	10	39	0.59	123	0.110	<1	1.82	0.005	0.33	0.1	0.02	2.5	0.2	<0.05	5	<0.5
1084734	Soil	9	43	0.63	150	0.124	<1	1.90	0.004	0.33	0.1	0.02	2.6	0.2	<0.05	6	<0.5
1084735	Soil	8	36	0.46	106	0.109	<1	1.71	0.006	0.11	0.1	0.03	2.3	0.1	<0.05	8	<0.5
1084727	Soil	10	40	0.51	99	0.076	<1	1.51	0.008	0.16	0.1	0.04	2.2	0.2	<0.05	6	<0.5
1084733	Soil	8	35	0.42	94	0.095	<1	1.35	0.005	0.14	0.1	0.01	1.9	0.1	<0.05	6	<0.5
1084726	Soil	9	44	0.64	102	0.108	1	2.20	0.009	0.17	0.2	0.03	3.0	0.1	<0.05	5	<0.5
1084728	Soil	12	37	0.54	88	0.096	<1	1.80	0.006	0.17	0.1	0.03	2.8	0.1	<0.05	5	<0.5
1084729	Soil	10	41	0.62	94	0.097	<1	1.93	0.004	0.21	0.1	0.03	2.7	0.2	<0.05	5	<0.5
1084731	Soil	11	50	0.58	94	0.076	<1	1.62	0.003	0.21	0.1	0.03	2.3	0.2	<0.05	5	<0.5
1084732	Soil	8	34	0.42	90	0.096	<1	1.43	0.005	0.12	0.1	0.02	2.0	0.1	<0.05	6	<0.5
1084701	Soil	10	40	0.68	125	0.122	<1	2.23	0.012	0.13	0.2	0.02	3.5	0.1	<0.05	6	<0.5
1084703	Soil	9	36	0.50	129	0.076	<1	1.53	0.007	0.11	0.2	0.03	2.1	0.1	<0.05	7	0.5
1084704	Soil	10	41	0.57	131	0.081	<1	1.94	0.012	0.10	2.5	0.04	2.7	<0.1	0.11	6	1.1
1084702	Soil	10	44	0.67	90	0.087	1	2.33	0.006	0.10	0.2	0.06	3.3	0.1	<0.05	8	0.6
1084725	Soil	9	48	0.68	94	0.101	<1	1.85	0.007	0.22	0.2	0.03	2.8	0.2	<0.05	6	<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	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
1080190	Soil	23.2	88.2	13.6	92	0.1	89.9	33.3	673	4.40	7.3	0.8	1.5	3.2	94	0.5	0.2	7.3	85	1.58	0.072
1080158	Soil	2.5	30.0	13.2	59	0.1	28.6	10.2	263	4.31	13.9	0.7	3.9	2.4	13	0.3	0.9	0.3	95	0.14	0.047
1080157	Soil	2.1	31.8	13.5	70	<0.1	36.7	15.5	478	4.04	12.5	0.7	2.9	3.3	15	0.2	0.8	0.3	78	0.16	0.047
1080162	Soil	0.9	39.1	10.2	63	0.1	48.8	20.3	352	3.84	10.0	1.1	3.1	6.4	14	0.2	0.4	0.2	63	0.18	0.036
1080160	Soil	1.2	31.9	11.3	68	0.2	39.2	14.7	402	3.54	6.9	1.0	13.0	4.3	17	0.2	0.4	0.3	51	0.23	0.069
1080185	Soil	3.3	49.0	41.8	39	0.8	16.8	17.2	640	2.09	41.3	0.7	7.9	0.9	30	0.2	0.3	0.7	53	0.25	0.048
1080186	Soil	2.6	68.9	21.9	103	0.7	35.1	20.5	684	3.64	97.7	3.2	8.3	2.2	55	0.3	0.3	1.0	71	0.54	0.110
1080188	Soil	2.5	49.7	17.0	75	0.2	22.7	16.1	523	3.44	76.8	0.5	5.5	1.9	30	0.3	0.6	0.5	75	0.29	0.073
1080187	Soil	1.9	28.2	11.0	36	0.3	12.3	6.6	221	1.77	10.1	0.5	3.4	1.3	13	0.2	0.3	0.4	60	0.13	0.035
1080191	Soil	2.3	61.3	8.1	51	0.2	55.3	15.9	274	2.78	8.8	0.7	3.1	2.2	89	0.2	0.2	0.8	54	1.11	0.043
1080183	Soil	4.7	243.8	515.7	597	4.1	100.4	34.1	1118	6.26	510.6	1.6	499.9	6.1	19	2.7	1.0	4.3	73	0.32	0.107
1080182	Soil	2.7	99.0	17.5	197	0.3	140.7	43.0	1630	5.08	8.5	1.5	1.9	6.4	32	1.2	0.3	2.0	94	0.22	0.085
1080184	Soil	4.7	240.4	492.9	603	4.2	103.3	33.5	1065	6.13	497.0	1.6	731.9	5.9	20	2.6	1.0	4.2	72	0.32	0.107
1080189	Soil	1.6	61.5	11.0	49	0.2	19.9	8.7	482	1.47	6.8	1.3	1.7	0.8	62	0.6	0.2	0.5	30	1.52	0.082
1080181	Soil	2.3	77.0	13.1	109	1.0	52.3	20.9	338	4.46	24.4	1.0	5.9	2.8	27	0.3	0.8	1.3	77	0.13	0.064
1080173	Soil	0.8	36.4	11.7	63	0.3	47.5	15.1	631	3.06	18.1	0.8	3.3	2.9	74	0.3	0.6	0.5	55	1.37	0.107
1080177	Soil	1.6	44.7	17.0	99	0.2	38.4	15.6	316	3.40	26.8	0.9	7.2	4.4	22	0.4	0.4	0.9	59	0.14	0.054
1080180	Soil	2.7	31.3	11.8	67	0.8	17.7	5.2	147	3.20	11.9	0.6	3.6	1.9	18	0.2	0.9	0.9	86	0.11	0.061
1080172	Soil	0.8	35.1	8.7	58	0.1	67.5	16.9	500	2.87	13.5	0.6	2.5	1.3	58	0.4	0.5	0.3	54	1.26	0.073
1080174	Soil	1.7	35.2	11.8	68	0.3	30.4	11.6	358	3.82	30.7	0.8	2.1	2.8	22	0.2	0.6	0.4	75	0.23	0.067
1080165	Soil	1.5	34.4	10.1	45	0.3	21.4	7.0	175	2.40	9.1	1.2	11.6	1.3	19	0.2	0.5	0.2	51	0.18	0.046
1080163	Soil	0.9	29.3	8.5	61	0.1	36.9	13.7	314	3.16	8.7	0.8	3.0	4.9	17	0.1	0.3	0.2	55	0.23	0.052
1080164	Soil	1.2	32.6	7.7	47	0.4	31.0	10.8	495	2.72	9.4	1.2	2.0	1.4	23	<0.1	0.3	0.2	46	0.27	0.074
1080171	Soil	0.6	39.8	9.1	58	0.2	53.7	14.8	263	3.14	18.1	1.0	3.8	1.4	55	0.2	0.6	0.3	52	1.19	0.079
1080170	Soil	0.7	60.2	10.5	91	0.4	65.5	32.0	1063	6.14	17.9	0.9	14.9	6.6	41	0.2	0.6	0.9	68	0.91	0.185
1080159	Soil	1.1	40.7	8.7	58	0.1	58.9	18.8	360	3.38	9.3	0.7	5.4	3.5	18	0.1	0.4	0.3	66	0.27	0.077
1080161	Soil	1.0	36.2	11.9	69	<0.1	41.8	15.4	376	3.81	10.7	1.0	32.2	5.5	15	0.2	0.4	0.3	59	0.20	0.056
1080178	Soil	0.9	40.5	9.4	75	0.3	38.9	17.1	306	3.30	21.9	0.7	6.5	3.3	21	0.3	0.4	0.4	61	0.20	0.056
1080179	Soil	1.4	52.3	11.5	81	0.6	41.4	19.5	371	4.04	18.8	0.9	6.6	3.8	28	0.4	0.5	2.0	73	0.23	0.062
1080167	Soil	0.8	43.7	11.3	70	0.2	60.9	21.6	440	4.12	9.9	1.1	2.8	6.5	17	0.2	0.3	0.3	64	0.17	0.036



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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
		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
1080190	Soil	14	135	1.45	104	0.175	1	2.56	0.083	0.12	10.3	0.02	5.3	0.2	<0.05	10	<0.5	0.2
1080158	Soil	10	48	0.55	87	0.127	2	1.93	0.007	0.10	<0.1	0.04	2.9	0.1	<0.05	11	<0.5	<0.2
1080157	Soil	11	45	0.73	82	0.121	2	2.45	0.007	0.13	0.1	0.03	3.3	0.1	<0.05	9	<0.5	<0.2
1080162	Soil	17	50	0.81	99	0.112	2	2.78	0.008	0.15	0.1	0.03	3.8	0.1	<0.05	6	<0.5	<0.2
1080160	Soil	19	41	0.73	80	0.080	<1	1.89	0.006	0.22	<0.1	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
1080185	Soil	8	29	0.30	82	0.046	<1	1.34	0.014	0.05	0.5	0.03	1.7	<0.1	<0.05	6	<0.5	<0.2
1080186	Soil	16	47	1.13	159	0.096	<1	2.38	0.046	0.19	0.3	0.04	4.1	0.2	0.06	8	<0.5	<0.2
1080188	Soil	7	52	0.55	109	0.079	<1	2.30	0.016	0.09	0.7	0.03	2.7	0.1	<0.05	8	0.6	<0.2
1080187	Soil	5	22	0.29	58	0.053	<1	0.83	0.015	0.04	0.2	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
1080191	Soil	8	72	0.84	127	0.124	<1	2.04	0.052	0.09	3.2	0.02	3.2	0.1	0.05	7	<0.5	<0.2
1080183	Soil	15	76	1.22	61	0.075	<1	2.64	0.027	0.06	3.2	0.04	6.0	<0.1	<0.05	8	2.0	0.3
1080182	Soil	15	89	1.07	349	0.042	<1	2.54	0.008	0.17	0.2	0.02	5.2	0.3	<0.05	7	1.4	0.2
1080184	Soil	15	73	1.17	60	0.075	<1	2.58	0.027	0.06	2.6	0.03	5.7	<0.1	<0.05	8	2.0	0.4
1080189	Soil	9	25	1.25	150	0.030	2	0.87	0.015	0.02	40.6	0.02	1.5	<0.1	0.08	3	0.7	<0.2
1080181	Soil	10	37	0.54	185	0.054	<1	2.18	0.015	0.14	<0.1	0.04	2.9	0.2	0.12	8	0.9	<0.2
1080173	Soil	20	47	0.79	168	0.061	1	1.95	0.021	0.09	0.2	0.03	4.6	0.1	<0.05	5	0.6	<0.2
1080177	Soil	12	34	0.51	140	0.080	<1	1.77	0.013	0.24	0.1	0.01	2.3	0.2	0.05	5	0.9	0.2
1080180	Soil	7	19	0.16	91	0.034	<1	1.02	0.007	0.08	0.1	0.03	1.3	<0.1	<0.05	7	<0.5	0.2
1080172	Soil	8	67	0.72	92	0.053	<1	1.88	0.016	0.07	0.1	0.03	3.2	<0.1	0.05	5	<0.5	<0.2
1080174	Soil	11	44	0.60	134	0.090	<1	2.31	0.010	0.11	0.3	0.04	3.2	0.1	<0.05	7	0.6	<0.2
1080165	Soil	13	32	0.43	81	0.045	<1	1.65	0.008	0.07	0.1	0.03	2.3	<0.1	<0.05	6	<0.5	<0.2
1080163	Soil	16	45	0.73	79	0.101	<1	1.91	0.010	0.18	0.2	0.02	3.0	0.2	<0.05	6	<0.5	<0.2
1080164	Soil	15	39	0.52	86	0.035	<1	1.53	0.012	0.11	0.1	0.03	2.7	0.1	0.06	5	<0.5	<0.2
1080171	Soil	11	63	0.78	96	0.046	1	1.70	0.016	0.07	0.1	0.05	3.4	<0.1	0.08	5	<0.5	<0.2
1080170	Soil	24	58	1.04	123	0.053	<1	2.00	0.013	0.21	0.1	0.02	6.2	0.2	<0.05	7	<0.5	<0.2
1080159	Soil	11	80	0.98	101	0.102	<1	1.98	0.011	0.15	0.1	0.01	3.5	0.2	<0.05	7	<0.5	<0.2
1080161	Soil	19	49	0.75	78	0.087	<1	1.91	0.009	0.20	0.1	<0.01	3.2	0.2	<0.05	6	<0.5	<0.2
1080178	Soil	8	39	0.60	144	0.104	<1	2.21	0.015	0.20	<0.1	0.03	3.1	0.1	<0.05	5	0.7	<0.2
1080179	Soil	10	52	0.84	224	0.093	<1	3.26	0.015	0.17	0.1	0.04	4.1	0.2	<0.05	7	0.9	0.3
1080167	Soil	16	61	1.04	100	0.120	<1	2.48	0.011	0.30	0.1	0.02	3.7	0.2	<0.05	7	<0.5	<0.2



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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 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
1082250	Soil	1.7	29.5	11.1	52	0.1	31.5	16.9	343	3.47	32.8	0.8	5.5	3.8	20	0.3	0.5	0.2	69	0.22	0.039
1082249	Soil	17.8	28.6	25.8	51	0.5	13.8	6.1	184	2.40	16.0	0.6	2.4	2.8	21	0.3	0.6	0.2	71	0.16	0.022
1082246	Soil	7.2	31.8	14.4	67	0.3	21.0	9.0	267	3.30	42.4	0.8	7.7	2.1	19	0.4	0.8	0.3	83	0.18	0.042
1082244	Soil	4.0	36.9	18.5	75	0.2	27.2	11.0	290	3.77	21.1	0.8	4.1	2.7	20	0.3	0.8	0.9	85	0.16	0.031
1082241	Soil	0.8	35.2	11.2	54	0.2	67.4	11.9	280	2.62	14.2	0.7	3.4	2.7	23	0.2	0.5	0.3	67	0.32	0.060
1082243	Soil	1.6	29.5	6.3	40	0.1	12.4	8.5	462	2.12	7.5	0.4	1.5	1.1	19	0.2	0.4	0.4	55	0.18	0.064
1082245	Soil	13.2	42.9	14.0	42	1.0	11.9	6.2	225	2.56	78.4	1.1	6.2	1.6	24	0.2	0.5	0.4	77	0.28	0.052
1082247	Soil	4.8	39.7	25.9	73	0.5	24.9	13.0	522	2.92	64.2	2.8	36.5	6.9	39	0.4	0.6	0.2	71	0.44	0.091
1082248	Soil	2.6	23.2	15.0	57	0.3	26.1	12.5	279	4.16	15.7	0.8	1.9	3.6	19	0.5	0.6	0.2	77	0.18	0.052
1082240	Soil	1.1	31.8	30.0	58	0.1	33.1	13.1	232	2.62	17.2	0.5	3.2	2.5	15	0.2	0.7	0.2	62	0.17	0.033
1080166	Soil	0.8	41.9	11.1	68	0.2	57.2	20.9	420	3.94	9.3	1.0	3.0	6.2	16	0.2	0.3	0.3	61	0.17	0.033
1080175	Soil	1.9	34.6	13.4	61	0.1	23.3	7.2	180	3.06	23.3	0.8	4.0	3.4	21	<0.1	0.4	1.3	63	0.13	0.049
1080169	Soil	0.7	41.2	9.9	60	0.1	63.4	19.3	535	3.55	11.3	0.8	1.9	4.3	29	0.2	0.6	0.3	57	0.51	0.093
1080176	Soil	1.1	40.4	10.1	80	0.2	34.2	14.0	395	3.40	16.8	0.8	3.8	3.5	20	0.3	0.4	0.6	68	0.26	0.079
1080168	Soil	0.9	39.0	8.6	63	0.1	65.6	15.7	394	3.37	8.8	0.8	2.4	3.6	21	<0.1	0.4	0.3	58	0.27	0.047



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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
		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
1082250	Soil	8	41	0.79	115	0.093	1	3.42	0.013	0.06	0.6	0.04	4.1	<0.1	<0.05	7	<0.5	<0.2
1082249	Soil	9	23	0.43	122	0.066	<1	1.28	0.011	0.05	0.2	0.02	2.0	<0.1	<0.05	7	<0.5	<0.2
1082246	Soil	8	35	0.48	109	0.093	<1	1.86	0.015	0.05	0.3	0.02	2.2	0.1	<0.05	8	<0.5	<0.2
1082244	Soil	9	41	0.54	99	0.101	<1	2.49	0.009	0.04	0.5	0.03	3.2	0.1	<0.05	8	<0.5	<0.2
1082241	Soil	10	97	0.93	123	0.109	<1	2.18	0.013	0.07	0.7	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
1082243	Soil	6	18	0.30	72	0.069	<1	1.27	0.018	0.03	0.2	0.03	1.2	<0.1	<0.05	5	<0.5	<0.2
1082245	Soil	8	24	0.39	114	0.055	<1	1.56	0.013	0.04	0.6	0.03	1.8	0.1	<0.05	8	<0.5	<0.2
1082247	Soil	14	41	0.88	162	0.109	<1	1.93	0.027	0.09	0.6	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
1082248	Soil	9	43	0.49	100	0.111	<1	3.59	0.009	0.05	0.2	0.05	3.3	<0.1	<0.05	8	0.9	<0.2
1082240	Soil	8	37	0.51	105	0.079	<1	1.89	0.012	0.05	0.3	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
1080166	Soil	15	58	1.01	97	0.114	<1	2.41	0.010	0.30	0.1	0.01	3.6	0.2	<0.05	7	<0.5	<0.2
1080175	Soil	12	29	0.40	100	0.070	<1	1.31	0.009	0.14	0.1	0.01	1.8	0.1	<0.05	6	<0.5	0.3
1080169	Soil	12	70	0.96	144	0.095	2	2.70	0.016	0.17	0.2	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
1080176	Soil	10	40	0.74	165	0.100	2	2.15	0.014	0.23	0.1	0.02	2.7	0.2	<0.05	6	0.9	<0.2
1080168	Soil	13	84	1.08	99	0.097	<1	1.98	0.009	0.20	0.1	<0.01	3.1	0.2	<0.05	7	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI11000616.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
Pulp Duplicates		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
1082334	Soil	1.2	25.9	22.5	87	<0.1	24.8	10.3	350	3.05	10.4	1.2	1.6	4.8	18	0.3	0.6	0.4	71	0.19
REP 1082334	QC	1.3	25.3	21.7	82	<0.1	23.8	9.9	347	2.94	10.2	1.1	2.0	4.8	17	0.4	0.6	0.3	68	0.19
1082324	Soil	0.8	18.5	20.9	104	<0.1	15.9	6.0	414	1.96	5.0	3.9	2.7	6.8	23	0.5	0.3	0.3	42	0.30
REP 1082324	QC	0.8	18.0	21.8	104	<0.1	15.7	6.1	418	1.99	4.8	3.7	0.6	7.0	24	0.5	0.4	0.2	44	0.30
1086640	Soil	1.1	80.9	10.5	88	0.1	49.5	18.4	294	3.92	13.3	1.5	4.6	5.2	48	0.3	0.7	0.6	87	1.08
REP 1086640	QC	1.2	83.3	11.1	97	0.2	52.6	19.7	301	4.09	14.3	1.6	6.7	5.4	50	0.4	0.6	0.7	88	1.10
1086629	Soil	0.7	41.1	7.2	69	0.1	51.2	19.9	432	4.14	95.3	0.8	10.9	4.7	57	<0.1	1.3	0.3	115	0.65
REP 1086629	QC	0.8	40.5	7.1	67	<0.1	49.5	20.1	418	4.13	94.9	0.8	9.6	4.7	56	0.1	1.3	0.3	113	0.64
1085051	Soil	1.4	39.7	35.2	108	0.2	31.7	12.4	388	3.40	35.3	1.8	12.0	3.6	37	0.4	0.5	0.4	66	0.30
REP 1085051	QC	1.3	39.6	35.0	107	0.2	32.3	12.3	391	3.39	35.2	1.8	7.2	3.4	37	0.4	0.5	0.3	67	0.30
1085059	Soil	0.7	13.8	3.2	35	0.4	7.2	5.4	316	1.63	8.0	0.3	<0.5	0.2	12	0.1	0.3	<0.1	48	0.11
REP 1085059	QC	0.8	14.0	3.5	36	0.4	7.7	5.3	338	1.56	8.5	0.3	1.1	0.2	13	<0.1	0.3	<0.1	45	0.12
1082378	Soil	1.7	33.0	8.3	56	0.2	17.4	7.0	230	2.16	18.2	0.6	3.7	0.3	18	0.4	0.8	0.2	50	0.17
REP 1082378	QC	1.8	33.5	8.3	56	0.2	18.4	7.2	235	2.16	18.7	0.6	3.2	0.3	18	0.5	0.8	0.2	51	0.17
1082362	Soil	2.4	36.9	13.0	72	0.7	29.3	14.4	585	3.60	86.0	0.9	14.9	2.4	17	0.3	0.9	0.3	66	0.13
REP 1082362	QC	2.2	36.7	13.4	72	0.7	28.7	14.4	568	3.52	88.7	0.9	16.7	2.5	17	0.4	0.9	0.4	64	0.13
1080011	Soil	1.3	88.3	15.1	69	0.2	31.0	14.7	316	3.27	49.7	0.7	10.8	2.5	19	0.3	0.6	0.3	67	0.14
REP 1080011	QC	1.2	95.2	15.7	75	0.2	32.9	15.2	323	3.38	51.1	0.7	16.7	2.7	20	0.3	0.6	0.3	68	0.15
1084718	Soil	1.6	40.5	7.5	51	<0.1	36.1	8.4	235	2.96	11.8	0.5	2.5	0.8	10	<0.1	0.7	0.2	75	0.09
REP 1084718	QC	1.5	42.0	8.2	53	<0.1	36.6	8.5	246	3.07	12.4	0.5	2.8	0.8	10	<0.1	0.7	0.3	78	0.09
1080028	Soil	1.4	52.2	10.7	73	0.2	38.9	13.5	438	2.93	10.8	1.1	8.3	3.4	17	0.4	0.5	0.2	71	0.27
REP 1080028	QC	1.4	51.8	11.1	74	0.2	39.8	13.9	459	2.95	11.0	1.1	9.2	3.7	18	0.3	0.5	0.2	73	0.28
1084734	Soil	1.1	36.6	9.5	89	<0.1	44.0	13.6	420	3.23	15.1	0.7	1.8	2.7	10	0.2	0.4	0.2	67	0.15
REP 1084734	QC	1.2	35.9	9.3	84	<0.1	41.4	13.6	404	3.07	15.0	0.6	1.8	2.5	9	0.2	0.4	0.2	63	0.15
1080162	Soil	0.9	39.1	10.2	63	0.1	48.8	20.3	352	3.84	10.0	1.1	3.1	6.4	14	0.2	0.4	0.2	63	0.18
REP 1080162	QC	0.8	40.8	11.7	66	0.1	52.2	21.6	363	4.03	10.6	1.0	3.5	6.5	14	0.4	0.4	0.3	64	0.18
1080183	Soil	4.7	243.8	515.7	597	4.1	100.4	34.1	1118	6.26	510.6	1.6	499.9	6.1	19	2.7	1.0	4.3	73	0.32
REP 1080183	QC	4.5	237.4	507.0	598	4.1	101.9	33.6	1100	6.17	486.4	1.6	564.0	5.9	20	2.4	1.0	4.2	71	0.31



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Project: PLU
Report Date: August 11, 2011

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QUALITY CONTROL REPORT

WHI11000616.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1082334	Soil	17	34	0.50	111	0.113	2	2.23	0.014	0.06	0.2	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
REP 1082334	QC	17	33	0.49	109	0.108	2	2.16	0.013	0.06	0.2	0.01	2.6	<0.1	<0.05	7	<0.5	<0.2
1082324	Soil	64	22	0.34	51	0.094	1	1.19	0.015	0.07	0.2	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
REP 1082324	QC	65	22	0.33	50	0.092	2	1.12	0.014	0.07	0.2	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
1086640	Soil	17	75	1.17	121	0.163	2	1.99	0.022	0.27	0.2	0.03	5.4	0.3	0.08	7	0.7	<0.2
REP 1086640	QC	18	76	1.26	126	0.164	2	2.14	0.023	0.28	0.3	0.03	5.5	0.4	0.11	8	0.6	<0.2
1086629	Soil	14	109	1.60	220	0.230	<1	2.44	0.023	0.51	0.3	0.01	4.7	0.4	<0.05	8	<0.5	<0.2
REP 1086629	QC	14	108	1.60	221	0.227	<1	2.46	0.022	0.50	0.3	<0.01	4.6	0.4	<0.05	8	<0.5	<0.2
1085051	Soil	18	59	0.68	106	0.076	<1	1.76	0.011	0.11	0.3	0.01	3.9	0.1	<0.05	6	<0.5	<0.2
REP 1085051	QC	18	59	0.68	107	0.075	<1	1.76	0.011	0.10	0.3	0.02	3.9	0.1	<0.05	6	<0.5	<0.2
1085059	Soil	3	10	0.16	54	0.053	1	0.58	0.014	0.03	<0.1	0.04	0.6	<0.1	<0.05	3	<0.5	<0.2
REP 1085059	QC	3	11	0.16	58	0.047	1	0.61	0.015	0.03	<0.1	0.04	0.6	<0.1	<0.05	4	<0.5	<0.2
1082378	Soil	6	21	0.26	92	0.041	2	1.06	0.016	0.06	0.1	0.06	1.2	<0.1	0.07	4	0.9	<0.2
REP 1082378	QC	7	21	0.27	90	0.042	1	1.05	0.016	0.06	0.1	0.06	1.3	<0.1	0.07	4	0.5	<0.2
1082362	Soil	12	36	0.58	108	0.085	2	1.96	0.010	0.11	0.3	0.04	3.4	0.1	0.09	6	0.9	<0.2
REP 1082362	QC	12	36	0.58	108	0.079	1	1.95	0.010	0.11	0.3	0.03	3.3	<0.1	0.07	5	0.9	<0.2
1080011	Soil	9	38	0.56	105	0.082	<1	1.78	0.013	0.10	0.2	0.03	2.8	0.1	<0.05	5	0.6	<0.2
REP 1080011	QC	10	37	0.59	107	0.090	1	1.91	0.014	0.11	0.2	0.02	2.8	0.2	0.07	5	0.9	<0.2
1084718	Soil	6	59	0.51	66	0.084	<1	1.33	0.008	0.09	0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
REP 1084718	QC	6	62	0.55	70	0.092	<1	1.41	0.008	0.09	0.1	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
1080028	Soil	10	42	0.59	127	0.099	<1	1.64	0.012	0.13	0.5	0.03	3.2	0.1	<0.05	5	<0.5	<0.2
REP 1080028	QC	11	43	0.61	133	0.105	2	1.69	0.013	0.13	0.7	0.02	3.3	0.1	<0.05	5	0.5	<0.2
1084734	Soil	9	43	0.63	150	0.124	<1	1.90	0.004	0.33	0.1	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
REP 1084734	QC	8	41	0.59	152	0.116	<1	1.80	0.004	0.32	0.1	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
1080162	Soil	17	50	0.81	99	0.112	2	2.78	0.008	0.15	0.1	0.03	3.8	0.1	<0.05	6	<0.5	<0.2
REP 1080162	QC	17	53	0.85	105	0.116	2	2.99	0.008	0.17	0.2	0.03	4.1	0.1	<0.05	7	<0.5	<0.2
1080183	Soil	15	76	1.22	61	0.075	<1	2.64	0.027	0.06	3.2	0.04	6.0	<0.1	<0.05	8	2.0	0.3
REP 1080183	QC	15	75	1.17	59	0.077	<1	2.58	0.027	0.06	2.9	0.04	5.7	<0.1	<0.05	8	2.1	0.3



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Project: PLU
Report Date: August 11, 2011

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QUALITY CONTROL REPORT

WHI11000616.1

		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
1082250	Soil	1.7	29.5	11.1	52	0.1	31.5	16.9	343	3.47	32.8	0.8	5.5	3.8	20	0.3	0.5	0.2	69	0.22	0.039
REP 1082250	QC	1.8	29.6	11.0	54	0.1	31.7	16.8	345	3.44	32.9	0.8	4.6	3.9	20	0.2	0.5	0.2	71	0.22	0.039
1080169	Soil	0.7	41.2	9.9	60	0.1	63.4	19.3	535	3.55	11.3	0.8	1.9	4.3	29	0.2	0.6	0.3	57	0.51	0.093
REP 1080169	QC	0.6	40.4	9.4	60	<0.1	58.9	18.9	510	3.59	11.4	0.8	2.0	4.4	28	0.3	0.6	0.3	57	0.49	0.082
Reference Materials																					
STD DS8	Standard	13.5	112.1	119.7	317	1.8	39.4	7.8	627	2.48	27.0	2.3	113.3	6.2	61	2.5	5.4	6.6	44	0.67	0.081
STD DS8	Standard	13.9	119.6	120.2	330	1.9	40.3	7.8	631	2.56	26.6	2.8	135.2	6.5	63	2.5	5.5	6.6	44	0.70	0.083
STD DS8	Standard	12.8	111.0	127.3	309	1.7	38.9	8.0	624	2.58	27.0	2.9	111.8	6.8	66	2.5	5.6	6.6	46	0.66	0.081
STD DS8	Standard	12.8	104.1	118.4	300	1.8	36.4	7.2	572	2.31	25.5	2.5	108.4	6.0	62	2.3	5.3	6.1	40	0.63	0.074
STD DS8	Standard	13.7	117.9	131.4	321	1.9	41.8	8.4	627	2.51	25.6	2.9	130.8	7.2	69	2.3	5.9	6.6	46	0.69	0.079
STD DS8	Standard	13.4	103.3	134.9	322	1.9	37.0	7.4	617	2.49	26.2	2.8	109.3	6.9	67	2.3	5.2	6.6	41	0.71	0.074
STD DS8	Standard	12.3	107.8	119.4	310	1.7	36.9	7.3	584	2.44	27.0	2.5	117.4	6.3	64	2.2	4.7	6.7	40	0.67	0.080
STD DS8	Standard	13.9	120.0	132.8	323	1.8	40.4	8.4	630	2.59	27.3	3.0	120.4	7.3	70	2.4	5.4	6.9	45	0.70	0.083
STD DS8	Standard	12.6	113.8	122.6	310	1.7	37.8	7.4	577	2.35	25.0	2.7	110.8	6.4	67	2.3	5.8	6.6	41	0.63	0.073
STD DS8	Standard	13.9	115.2	135.8	322	1.8	39.8	8.2	623	2.46	26.0	2.9	109.4	7.0	69	2.2	5.8	6.5	44	0.71	0.085
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	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
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project:

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Report Date:

August 11, 2011

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Part 2

QUALITY CONTROL REPORT

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		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
1082250	Soil	8	41	0.79	115	0.093	1	3.42	0.013	0.06	0.6	0.04	4.1	<0.1	<0.05	7	<0.5	<0.2
REP 1082250	QC	8	42	0.76	116	0.092	<1	3.39	0.012	0.06	0.6	0.04	4.1	<0.1	<0.05	7	<0.5	<0.2
1080169	Soil	12	70	0.96	144	0.095	2	2.70	0.016	0.17	0.2	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
REP 1080169	QC	12	70	0.92	140	0.093	2	2.64	0.015	0.17	0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	13	120	0.64	272	0.113	3	0.90	0.086	0.42	3.1	0.24	2.4	5.4	0.16	5	5.6	5.2
STD DS8	Standard	15	121	0.64	282	0.115	3	0.93	0.086	0.43	3.0	0.21	2.4	5.5	0.16	5	5.1	5.2
STD DS8	Standard	14	118	0.60	281	0.119	2	0.89	0.095	0.41	3.2	0.19	2.6	5.7	0.15	5	5.8	4.8
STD DS8	Standard	13	109	0.57	262	0.104	1	0.85	0.091	0.40	2.8	0.20	2.1	5.2	0.16	4	5.2	4.9
STD DS8	Standard	14	127	0.64	266	0.134	3	0.94	0.096	0.43	3.0	0.23	2.0	5.6	0.23	5	5.1	4.9
STD DS8	Standard	14	113	0.61	296	0.113	3	0.92	0.094	0.43	3.0	0.22	2.1	5.6	0.17	5	5.7	4.7
STD DS8	Standard	14	111	0.60	269	0.108	2	0.85	0.082	0.42	2.7	0.19	2.2	5.1	0.15	4	4.9	5.2
STD DS8	Standard	15	122	0.61	285	0.128	3	0.92	0.084	0.41	3.1	0.21	2.2	5.6	0.20	5	5.9	4.9
STD DS8	Standard	13	118	0.58	264	0.123	3	0.87	0.087	0.41	2.8	0.19	2.1	5.0	0.15	4	5.5	4.7
STD DS8	Standard	14	121	0.64	284	0.118	2	0.94	0.095	0.43	3.0	0.23	2.3	5.4	0.15	5	5.3	5.3
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	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	<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
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



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Submitted By: Mike Skead
Receiving Lab: Canada-Whitehorse
Received: July 15, 2011
Report Date: August 08, 2011
Page: 1 of 10

CERTIFICATE OF ANALYSIS

WHI11000709.1

CLIENT JOB INFORMATION

Project: PLU
Shipment ID:
P.O. Number
Number of Samples: 265

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: Ryan Gold Corp.
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Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	265	Dry at 60C			VAN
SS80	265	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	265	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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Project:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000709.1

	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
1084679	Soil	0.9	20.4	32.7	60	<0.1	12.9	6.7	341	2.38	6.5	4.0	0.6	30.8	14	0.1	0.3	2.2	33	0.17	0.017
1084681	Soil	1.0	11.4	24.8	56	<0.1	9.7	11.0	1629	2.85	5.4	1.5	1.0	17.3	22	0.2	0.2	0.4	38	0.17	0.034
1084682	Soil	0.6	11.3	9.9	32	<0.1	10.5	4.7	135	1.57	3.4	0.7	1.3	1.8	15	0.1	0.3	0.2	41	0.13	0.023
1039530	Soil	0.3	10.5	24.7	95	<0.1	5.7	4.9	415	2.49	2.5	5.2	0.5	61.9	158	0.1	0.2	2.4	23	0.25	0.043
1039532	Soil	0.4	5.3	19.0	88	<0.1	5.2	6.0	618	2.51	2.5	7.4	0.5	61.2	40	0.2	0.2	0.9	25	0.24	0.081
1084655	Soil	1.2	26.0	9.0	69	<0.1	15.4	8.6	253	3.31	6.0	0.4	<0.5	1.2	13	0.1	0.5	0.2	94	0.12	0.032
1084680	Soil	1.3	18.3	25.7	120	<0.1	21.0	10.3	429	3.40	7.8	1.7	1.1	3.8	16	0.2	0.4	0.4	54	0.19	0.068
1084678	Soil	2.1	29.6	15.4	81	0.3	23.7	10.1	369	3.31	11.8	0.9	1.5	3.5	24	0.3	0.8	0.3	77	0.22	0.034
1084675	Soil	1.6	31.5	34.5	105	0.4	39.4	13.9	430	3.73	14.2	0.7	0.5	6.0	23	0.7	0.8	1.2	77	0.21	0.024
1084676	Soil	1.3	23.4	19.7	67	0.3	20.7	8.3	315	2.86	9.2	2.0	<0.5	12.4	14	0.4	0.6	2.5	60	0.13	0.024
1084658	Soil	0.6	33.0	41.7	136	0.1	25.0	11.5	773	3.12	10.4	2.1	0.7	7.6	32	0.9	0.2	0.5	59	0.57	0.111
1084661	Soil	0.3	7.6	19.2	43	<0.1	3.6	3.8	293	1.27	2.4	2.4	<0.5	35.5	10	<0.1	0.1	0.4	12	0.14	0.024
1084662	Soil	0.3	6.6	19.4	44	<0.1	3.1	3.3	296	1.21	2.0	2.7	<0.5	37.1	10	0.1	<0.1	0.4	11	0.14	0.024
1084660	Soil	0.3	8.2	74.2	84	<0.1	4.2	4.4	868	1.47	2.6	3.8	<0.5	64.8	14	<0.1	<0.1	2.3	9	0.13	0.027
1084677	Soil	1.3	34.8	14.6	67	0.3	33.0	13.8	294	3.21	10.9	1.5	1.6	9.9	20	0.5	0.7	0.7	67	0.18	0.025
1039542	Soil	0.4	13.6	19.7	88	<0.1	9.7	5.3	509	2.43	3.9	4.7	1.8	50.7	33	0.1	0.2	1.2	31	0.19	0.028
1039543	Soil	0.5	17.6	15.0	63	<0.1	15.8	8.0	495	2.34	5.2	2.1	1.1	23.2	27	<0.1	0.3	0.8	43	0.21	0.030
1039545	Soil	0.6	27.9	21.5	78	<0.1	23.6	10.7	404	2.95	8.2	2.1	3.1	14.4	30	0.2	0.4	1.0	62	0.30	0.026
1039547	Soil	0.8	16.6	10.1	64	<0.1	5.2	4.0	163	1.62	2.7	0.8	1.9	5.5	91	0.3	0.2	1.6	39	0.19	0.025
1039549	Soil	0.8	24.1	15.0	62	<0.1	26.3	9.7	318	3.04	10.8	0.8	0.9	6.8	28	0.1	0.5	0.4	64	0.23	0.018
1039537	Soil	0.5	14.2	34.2	70	<0.1	8.9	4.7	446	1.70	3.3	2.9	<0.5	35.4	43	0.1	0.1	2.2	15	0.11	0.016
1039539	Soil	0.7	20.9	20.6	78	<0.1	15.9	6.8	478	2.26	6.2	7.1	1.0	35.8	43	0.5	0.3	4.0	35	0.13	0.027
1039538	Soil	0.6	26.0	16.5	70	<0.1	25.1	12.3	475	2.83	9.8	2.4	3.0	25.0	36	0.3	0.4	2.8	52	0.23	0.043
1039540	Soil	0.5	49.1	31.3	113	<0.1	7.3	5.0	384	2.28	3.5	3.2	<0.5	37.1	25	0.5	0.1	8.4	23	0.10	0.019
1039541	Soil	1.0	24.6	17.3	73	<0.1	25.4	12.2	339	3.39	10.8	1.0	1.5	14.1	27	0.1	0.5	0.8	61	0.19	0.031
1039531	Soil	0.3	10.9	25.8	98	<0.1	6.0	5.0	464	2.60	2.4	5.8	0.8	66.8	187	0.1	0.2	3.0	23	0.28	0.048
1039533	Soil	0.3	9.8	18.5	82	<0.1	6.9	7.4	488	2.62	2.8	3.1	<0.5	46.5	83	0.1	0.1	0.9	30	0.39	0.051
1039535	Soil	0.3	16.7	10.3	53	<0.1	15.5	5.4	128	2.18	2.2	2.8	2.6	7.1	87	<0.1	0.2	0.4	35	0.26	0.083
1039534	Soil	1.5	24.3	18.0	64	0.2	15.3	8.6	505	3.15	10.6	2.4	2.9	14.8	70	0.2	0.6	1.2	58	0.20	0.067
1039536	Soil	0.7	9.4	41.1	86	<0.1	2.2	3.6	355	1.38	6.6	1.8	<0.5	9.6	31	0.2	0.1	3.0	17	0.16	0.045



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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
1084679	Soil	10	17	0.24	67	0.035	<1	1.85	0.012	0.07	0.2	0.02	1.7	<0.1	<0.05	7	0.9	<0.2
1084681	Soil	8	21	0.32	60	0.026	<1	1.59	0.008	0.05	0.1	<0.01	1.4	<0.1	<0.05	8	<0.5	<0.2
1084682	Soil	7	17	0.25	66	0.058	<1	0.92	0.017	0.04	<0.1	<0.01	1.0	<0.1	<0.05	4	<0.5	<0.2
1039530	Soil	70	10	0.32	81	0.029	<1	1.70	0.011	0.27	0.2	<0.01	1.8	0.2	<0.05	7	<0.5	<0.2
1039532	Soil	51	9	0.33	67	0.109	<1	1.50	0.012	0.38	0.3	<0.01	2.0	0.5	<0.05	8	<0.5	<0.2
1084655	Soil	6	23	0.26	48	0.110	<1	0.93	0.012	0.03	0.1	0.01	1.0	<0.1	<0.05	7	<0.5	<0.2
1084680	Soil	30	27	0.47	78	0.030	<1	2.40	0.012	0.08	0.2	0.04	2.0	<0.1	<0.05	8	<0.5	<0.2
1084678	Soil	12	36	0.37	135	0.065	<1	2.69	0.015	0.06	<0.1	0.02	2.6	0.1	<0.05	8	<0.5	<0.2
1084675	Soil	8	41	0.59	243	0.094	<1	3.15	0.012	0.06	0.2	0.02	2.9	<0.1	<0.05	8	<0.5	<0.2
1084676	Soil	7	27	0.33	123	0.073	<1	1.88	0.010	0.05	0.2	0.02	2.0	0.1	<0.05	7	<0.5	<0.2
1084658	Soil	43	41	0.74	151	0.025	<1	2.29	0.008	0.12	0.8	<0.01	2.8	<0.1	<0.05	9	<0.5	<0.2
1084661	Soil	47	6	0.19	25	0.003	<1	1.56	0.006	0.05	<0.1	<0.01	0.7	<0.1	<0.05	7	<0.5	<0.2
1084662	Soil	52	6	0.19	24	0.003	<1	1.43	0.011	0.05	<0.1	<0.01	0.6	<0.1	<0.05	6	<0.5	<0.2
1084660	Soil	47	6	0.17	36	0.002	<1	1.51	0.007	0.10	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
1084677	Soil	9	39	0.55	170	0.099	1	2.97	0.013	0.07	0.2	0.03	3.4	<0.1	<0.05	7	0.7	<0.2
1039542	Soil	50	16	0.35	86	0.061	<1	1.76	0.010	0.13	0.8	<0.01	2.5	0.2	<0.05	8	<0.5	<0.2
1039543	Soil	26	35	0.47	86	0.051	<1	1.68	0.013	0.06	0.3	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
1039545	Soil	34	37	0.61	135	0.091	<1	2.14	0.015	0.10	0.1	0.02	4.5	0.1	<0.05	6	<0.5	<0.2
1039547	Soil	6	9	0.13	74	0.023	<1	0.85	0.017	0.06	0.1	0.01	0.7	<0.1	<0.05	4	<0.5	<0.2
1039549	Soil	11	38	0.61	148	0.092	<1	2.28	0.012	0.09	0.2	0.01	2.9	<0.1	<0.05	7	<0.5	<0.2
1039537	Soil	11	9	0.14	48	0.011	<1	1.41	0.007	0.09	0.3	<0.01	1.5	0.1	<0.05	5	0.5	<0.2
1039539	Soil	13	19	0.27	85	0.062	<1	1.67	0.011	0.09	0.4	<0.01	2.0	0.2	<0.05	6	0.5	<0.2
1039538	Soil	18	33	0.61	140	0.082	<1	2.39	0.013	0.10	0.3	0.02	3.3	0.1	<0.05	7	<0.5	<0.2
1039540	Soil	14	11	0.21	46	0.011	<1	1.84	0.009	0.08	0.5	<0.01	1.8	<0.1	<0.05	8	<0.5	<0.2
1039541	Soil	10	34	0.60	120	0.058	<1	2.68	0.012	0.08	0.4	<0.01	2.7	0.1	<0.05	8	<0.5	<0.2
1039531	Soil	76	9	0.33	87	0.028	<1	1.81	0.012	0.28	0.2	<0.01	1.8	0.2	<0.05	7	<0.5	<0.2
1039533	Soil	53	15	0.46	78	0.037	<1	2.24	0.011	0.20	0.1	<0.01	2.8	0.2	<0.05	8	0.9	<0.2
1039535	Soil	19	24	0.57	82	0.027	<1	1.84	0.014	0.06	<0.1	0.02	1.8	<0.1	<0.05	7	<0.5	<0.2
1039534	Soil	20	28	0.38	97	0.056	<1	2.07	0.012	0.08	0.1	0.01	2.1	0.1	<0.05	8	<0.5	<0.2
1039536	Soil	27	5	0.16	37	0.012	<1	0.85	0.009	0.07	0.2	<0.01	0.5	<0.1	<0.05	6	<0.5	<0.2



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		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
1039520	Soil	0.8	29.0	11.1	66	<0.1	25.4	11.6	473	3.04	9.9	2.4	1.8	22.0	60	0.1	0.5	0.2	64	0.30	0.036
1039522	Soil	0.6	15.7	22.1	79	<0.1	14.9	7.5	688	2.79	6.2	2.9	1.0	47.8	24	<0.1	0.3	0.4	40	0.23	0.059
1039523	Soil	0.7	15.5	19.1	93	<0.1	18.8	12.2	655	2.91	6.3	3.5	0.8	18.8	49	0.3	0.3	0.2	55	0.31	0.080
1039524	Soil	0.8	14.9	18.4	89	<0.1	17.7	11.0	587	2.80	6.2	3.8	1.3	19.7	51	0.2	0.3	0.2	51	0.34	0.078
1039525	Soil	0.9	10.3	13.4	88	<0.1	9.9	7.3	652	3.16	3.1	3.8	<0.5	72.9	19	0.1	0.2	0.3	43	0.22	0.085
1082202	Soil	1.1	24.2	12.8	60	<0.1	30.4	11.7	336	3.00	12.7	0.7	0.7	5.4	23	0.2	0.5	0.4	76	0.25	0.026
1039548	Soil	1.0	30.0	18.7	74	<0.1	32.1	11.3	321	3.18	10.5	1.0	2.1	12.5	24	0.4	0.5	0.6	84	0.17	0.019
1039519	Soil	1.1	32.3	11.9	73	<0.1	30.0	12.8	402	3.41	11.4	1.1	2.1	17.4	45	0.1	0.5	0.3	79	0.25	0.035
1039518	Soil	0.5	9.8	3.4	23	<0.1	4.6	4.4	112	1.48	<0.5	0.5	<0.5	1.1	12	0.1	0.1	0.1	58	0.10	0.028
1039521	Soil	0.8	29.8	10.7	62	<0.1	26.0	11.6	440	3.05	9.7	2.0	1.8	20.0	52	0.1	0.4	0.2	76	0.28	0.037
1082201	Soil	1.0	22.1	18.0	68	0.1	20.5	10.4	717	2.61	7.4	1.0	2.7	6.4	18	0.3	0.4	0.2	73	0.18	0.036
1082203	Soil	1.0	26.1	15.7	61	<0.1	24.2	9.4	407	2.93	9.1	1.7	1.4	7.8	43	0.1	0.4	0.2	67	0.29	0.035
1039550	Soil	0.9	21.5	21.5	90	<0.1	20.5	10.0	376	2.78	8.3	1.4	<0.5	8.8	23	0.3	0.4	0.3	55	0.22	0.024
1039544	Soil	0.8	21.1	11.7	65	0.1	22.6	10.3	410	2.95	8.3	2.5	2.7	25.9	30	0.1	0.4	0.7	69	0.31	0.057
1039546	Soil	0.8	23.3	12.3	66	<0.1	24.5	9.4	315	2.74	8.2	0.9	<0.5	8.8	21	0.1	0.5	0.4	69	0.17	0.017
1084616	Soil	0.6	30.6	9.6	74	0.2	32.5	15.6	370	2.70	9.7	0.6	0.8	2.4	20	0.2	0.5	0.1	66	0.28	0.072
1084619	Soil	1.0	39.6	10.2	73	<0.1	38.8	16.5	495	3.34	9.1	0.6	2.2	2.6	16	0.2	0.5	0.2	85	0.20	0.034
1084614	Soil	3.5	50.3	17.2	87	0.2	28.8	14.4	794	4.25	14.3	1.1	5.1	1.1	17	0.2	1.6	0.3	110	0.12	0.062
1084617	Soil	1.3	52.3	19.5	100	0.2	42.6	17.6	414	3.66	12.4	0.9	6.6	3.5	21	0.6	0.5	0.2	80	0.25	0.058
1084620	Soil	1.3	60.8	11.3	78	<0.1	36.7	13.5	383	3.52	16.3	0.9	1.9	3.6	18	0.3	0.5	0.2	80	0.18	0.050
1084621	Soil	2.4	42.2	24.1	75	0.3	23.0	8.4	307	3.81	15.4	0.8	<0.5	1.2	14	0.4	0.9	0.3	101	0.13	0.040
1084622	Soil	1.5	63.8	20.9	73	0.2	38.4	12.5	313	3.45	21.5	0.9	4.1	2.7	19	0.1	0.5	0.2	78	0.16	0.051
1084624	Soil	0.5	29.4	5.9	109	0.1	24.4	26.9	740	5.64	7.9	0.4	2.4	2.6	202	0.1	0.2	<0.1	102	0.90	0.167
1084623	Soil	2.8	54.5	13.0	73	0.2	26.5	11.6	796	3.62	10.1	1.1	0.5	0.8	17	0.2	1.0	0.3	114	0.12	0.074
1084615	Soil	1.1	51.8	17.8	93	0.2	44.2	16.5	491	3.23	20.6	1.0	5.0	2.8	19	0.4	0.7	0.4	84	0.19	0.045
1039526	Soil	0.6	10.1	12.3	74	<0.1	11.6	16.6	1718	3.34	1.6	2.5	<0.5	38.4	19	0.3	<0.1	0.2	51	0.29	0.183
1039529	Soil	0.8	23.2	12.8	72	<0.1	26.8	11.1	367	3.05	7.6	2.4	1.3	16.3	27	0.2	0.4	0.2	73	0.21	0.016
1039527	Soil	1.1	29.9	12.6	65	<0.1	25.8	11.1	330	3.23	8.9	1.2	1.2	9.5	23	0.2	0.5	0.2	72	0.16	0.036
1039528	Soil	0.7	26.7	11.6	75	<0.1	28.0	11.9	606	3.43	6.7	2.7	3.0	34.1	45	0.2	0.3	0.2	80	0.43	0.062
1084618	Soil	2.0	34.3	10.5	68	0.2	20.9	11.4	537	3.39	5.4	0.6	<0.5	0.5	18	<0.1	0.7	0.1	108	0.17	0.062



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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
1039520	Soil	31	42	0.70	167	0.097	<1	2.26	0.017	0.10	0.2	0.01	4.8	0.1	<0.05	7	<0.5	<0.2
1039522	Soil	42	20	0.49	100	0.039	<1	1.85	0.012	0.09	0.2	<0.01	2.5	<0.1	<0.05	8	<0.5	<0.2
1039523	Soil	34	31	0.56	104	0.093	<1	1.68	0.014	0.14	0.4	<0.01	2.7	0.1	<0.05	7	0.8	<0.2
1039524	Soil	35	30	0.57	108	0.097	<1	1.66	0.015	0.14	0.3	<0.01	2.6	0.1	<0.05	7	<0.5	<0.2
1039525	Soil	55	14	0.42	79	0.097	1	1.93	0.011	0.21	0.2	0.01	2.5	0.3	0.12	9	<0.5	<0.2
1082202	Soil	10	34	0.49	166	0.094	3	2.03	0.013	0.09	0.3	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
1039548	Soil	9	35	0.50	120	0.079	<1	2.43	0.012	0.09	0.2	<0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
1039519	Soil	15	43	0.60	170	0.120	<1	2.49	0.011	0.10	0.2	0.02	4.1	0.2	<0.05	8	<0.5	<0.2
1039518	Soil	4	8	0.07	39	0.080	2	0.42	0.028	0.03	<0.1	0.02	0.7	<0.1	<0.05	3	0.5	<0.2
1039521	Soil	28	40	0.57	153	0.093	1	2.19	0.016	0.09	0.2	0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
1082201	Soil	8	28	0.33	138	0.069	<1	1.79	0.014	0.06	0.2	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
1082203	Soil	18	31	0.42	125	0.080	<1	2.01	0.014	0.08	0.2	0.01	2.6	<0.1	<0.05	6	0.5	<0.2
1039550	Soil	13	27	0.41	120	0.049	<1	2.22	0.011	0.10	0.2	<0.01	2.0	<0.1	<0.05	7	<0.5	<0.2
1039544	Soil	26	33	0.56	129	0.102	<1	2.01	0.013	0.08	1.1	<0.01	3.3	0.1	<0.05	7	<0.5	<0.2
1039546	Soil	17	33	0.47	85	0.067	<1	1.97	0.012	0.08	0.2	0.01	2.7	0.1	<0.05	6	0.6	<0.2
1084616	Soil	10	35	0.58	73	0.101	1	2.13	0.012	0.07	0.2	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
1084619	Soil	9	43	0.71	107	0.128	<1	2.37	0.011	0.13	0.1	0.03	3.7	0.1	<0.05	7	0.6	0.2
1084614	Soil	10	37	0.47	86	0.108	1	1.81	0.010	0.07	0.1	0.09	2.3	0.2	<0.05	8	0.9	<0.2
1084617	Soil	11	39	0.62	132	0.136	<1	2.47	0.014	0.09	0.2	0.05	3.5	0.1	<0.05	6	<0.5	<0.2
1084620	Soil	10	44	0.60	123	0.117	1	2.38	0.012	0.13	0.2	0.05	3.6	0.1	<0.05	6	0.6	<0.2
1084621	Soil	9	34	0.36	88	0.086	<1	1.53	0.008	0.06	0.1	0.06	2.0	<0.1	<0.05	8	<0.5	<0.2
1084622	Soil	10	40	0.57	110	0.108	<1	2.22	0.012	0.16	0.2	0.04	2.9	0.2	<0.05	6	0.8	<0.2
1084624	Soil	17	48	2.53	418	0.201	<1	3.93	0.056	0.66	<0.1	<0.01	5.3	0.4	<0.05	12	<0.5	<0.2
1084623	Soil	10	40	0.42	117	0.069	<1	1.61	0.008	0.09	0.1	0.04	2.0	0.2	<0.05	8	<0.5	0.2
1084615	Soil	13	50	0.65	115	0.099	<1	2.14	0.009	0.09	0.2	0.03	2.8	0.2	<0.05	6	1.0	<0.2
1039526	Soil	41	26	0.58	82	0.011	<1	1.72	0.009	0.09	0.1	<0.01	2.1	<0.1	<0.05	9	<0.5	<0.2
1039529	Soil	24	42	0.53	161	0.118	<1	2.43	0.014	0.12	0.2	0.01	3.9	0.1	<0.05	7	<0.5	<0.2
1039527	Soil	11	35	0.50	126	0.088	<1	2.40	0.011	0.07	0.3	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
1039528	Soil	38	39	0.81	180	0.136	<1	2.37	0.020	0.12	0.1	0.01	5.2	0.2	<0.05	7	<0.5	<0.2
1084618	Soil	7	29	0.37	88	0.101	<1	1.29	0.013	0.06	0.1	0.05	1.5	0.1	<0.05	7	<0.5	<0.2



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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
1084630	Soil	3.1	77.9	12.3	58	0.2	26.0	8.9	225	3.54	9.5	0.7	3.1	2.3	31	0.2	1.0	0.5	123	0.14	0.028
1084633	Soil	1.1	73.7	8.4	50	0.2	39.1	12.8	278	2.75	5.6	0.7	6.8	3.1	28	0.1	0.3	0.1	101	0.22	0.043
1084613	Soil	1.0	38.1	11.4	72	0.1	33.8	13.5	410	3.00	10.5	0.8	5.0	3.1	21	0.3	0.6	0.1	71	0.20	0.040
1084602	Soil	1.5	121.8	36.4	147	0.4	72.1	16.6	349	4.67	36.3	1.2	42.4	4.1	58	0.3	0.5	0.8	104	0.16	0.066
1084611	Soil	1.3	32.9	16.5	71	0.1	27.8	12.6	439	3.44	13.3	0.8	1.4	2.4	16	0.2	1.0	0.2	82	0.15	0.049
1084629	Soil	1.2	77.9	7.7	54	0.1	43.8	15.7	261	2.86	6.1	0.6	2.7	4.1	40	<0.1	0.3	0.1	101	0.21	0.033
1084627	Soil	2.7	38.5	12.8	66	0.2	26.3	8.0	249	3.87	13.8	0.7	1.6	1.9	20	0.2	1.0	0.2	123	0.15	0.041
1084631	Soil	1.3	173.1	11.3	60	0.5	52.3	15.0	389	3.07	8.1	0.9	2.8	3.0	34	0.1	0.4	0.4	100	0.31	0.062
1084628	Soil	1.4	65.8	16.1	70	0.2	50.1	12.9	308	3.60	9.3	0.9	<0.5	2.8	27	0.2	0.6	0.1	124	0.15	0.037
1084626	Soil	2.6	38.3	11.9	72	<0.1	25.4	11.7	647	3.44	11.2	0.8	6.8	1.0	22	0.1	1.2	0.2	98	0.12	0.047
1084612	Soil	1.0	36.1	11.0	68	0.1	34.2	12.9	392	2.83	11.7	0.8	4.0	2.6	18	0.3	0.6	0.2	59	0.18	0.042
1084635	Soil	1.8	39.3	9.4	34	<0.1	22.9	6.7	181	2.87	8.3	0.4	3.9	1.9	13	<0.1	0.6	0.2	102	0.13	0.026
1084634	Soil	2.0	34.4	9.1	33	<0.1	19.4	5.5	153	2.51	7.3	0.4	20.2	1.8	13	<0.1	0.6	0.2	102	0.12	0.023
1084625	Soil	0.6	38.8	12.1	57	<0.1	45.4	19.0	561	3.26	7.5	0.5	3.7	1.9	31	0.1	0.3	<0.1	76	0.20	0.041
1084632	Soil	1.1	70.0	9.4	47	0.2	42.5	15.1	269	2.61	7.6	0.5	7.6	2.3	20	0.2	0.4	0.2	65	0.18	0.033
1082069	Soil	1.1	23.3	37.4	82	0.1	20.3	7.7	395	2.44	6.7	1.4	2.4	8.1	13	0.3	0.5	0.5	50	0.15	0.032
1082070	Soil	0.9	36.9	23.7	102	0.2	33.9	12.4	288	3.24	11.5	0.9	1.1	3.1	17	0.4	0.5	0.3	69	0.22	0.036
1082062	Soil	<0.1	11.2	2.8	34	<0.1	2.6	4.9	109	1.87	1.4	0.2	<0.5	0.3	9	<0.1	<0.1	<0.1	65	0.11	0.030
1082067	Soil	1.4	27.2	25.2	108	<0.1	28.4	11.3	391	3.35	11.5	0.9	2.0	3.3	16	0.1	0.6	0.2	74	0.20	0.033
1082065	Soil	1.8	31.1	24.5	113	<0.1	25.7	11.1	516	3.66	12.7	0.9	1.3	1.7	13	0.4	0.8	0.2	75	0.15	0.044
1084605	Soil	0.3	11.5	4.3	23	0.2	3.6	3.8	121	1.25	1.4	0.3	2.6	0.1	14	<0.1	0.1	<0.1	41	0.14	0.054
1084603	Soil	1.2	41.2	17.2	76	0.2	29.2	11.2	347	3.14	18.2	1.0	4.8	2.9	21	0.2	0.5	0.2	62	0.14	0.051
1084606	Soil	2.1	50.8	26.6	87	0.1	24.0	9.5	419	3.56	21.7	1.0	6.1	0.4	18	0.2	1.2	0.6	78	0.12	0.074
1084601	Soil	1.3	31.8	15.4	100	0.2	29.6	19.0	688	4.36	19.6	0.7	18.2	2.9	51	0.1	0.4	0.2	75	0.42	0.145
1082064	Soil	1.6	32.1	25.5	136	<0.1	31.3	12.4	539	3.40	11.8	0.9	2.2	2.3	17	0.4	0.7	0.2	70	0.18	0.039
1084608	Soil	1.0	40.4	13.2	69	0.2	30.0	11.9	391	3.21	15.5	0.8	4.8	2.9	21	0.1	0.6	0.2	62	0.20	0.061
1084609	Soil	2.1	41.4	39.2	104	0.4	23.2	8.2	370	3.64	32.3	0.9	2.3	2.2	18	0.3	3.4	0.4	75	0.10	0.046
1084610	Soil	1.8	37.3	19.1	75	0.2	23.7	8.5	332	3.79	21.3	0.9	3.8	1.0	17	<0.1	1.5	0.4	75	0.11	0.046
1084607	Soil	1.2	32.3	15.5	68	0.2	23.7	8.4	329	3.12	10.6	0.7	2.6	1.2	17	0.2	0.7	0.2	64	0.17	0.056
1084604	Soil	1.4	51.5	24.4	105	0.4	36.5	15.5	399	3.40	21.7	1.3	11.3	3.2	23	0.3	0.7	0.2	61	0.12	0.045



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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	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1084630	Soil	9	35	0.35	89	0.133	<1	1.43	0.008	0.05	0.2	0.02	2.1	0.1	<0.05	9	<0.5
1084633	Soil	10	56	0.67	146	0.135	<1	2.00	0.014	0.16	0.2	0.02	3.3	0.2	<0.05	7	<0.5
1084613	Soil	10	37	0.57	94	0.125	<1	1.97	0.012	0.12	0.2	0.03	3.0	0.1	<0.05	6	<0.5
1084602	Soil	14	254	1.95	144	0.127	<1	3.30	0.016	0.34	0.1	0.01	4.4	0.5	0.07	9	0.7
1084611	Soil	11	35	0.56	79	0.118	<1	2.23	0.010	0.12	0.2	0.03	2.7	0.1	<0.05	7	<0.5
1084629	Soil	9	62	0.84	148	0.150	<1	2.66	0.013	0.19	0.3	0.02	4.6	0.3	<0.05	7	<0.5
1084627	Soil	8	40	0.44	78	0.125	<1	1.56	0.008	0.07	0.2	0.04	2.2	0.1	<0.05	10	<0.5
1084631	Soil	10	65	0.86	155	0.138	<1	2.23	0.017	0.21	0.3	0.02	3.9	0.2	<0.05	7	<0.5
1084628	Soil	9	77	1.04	98	0.153	2	2.89	0.011	0.13	0.2	0.05	4.3	0.2	<0.05	9	<0.5
1084626	Soil	8	36	0.43	92	0.078	<1	1.61	0.008	0.07	0.1	0.06	2.1	0.1	0.06	9	0.6
1084612	Soil	9	35	0.60	98	0.104	1	1.84	0.011	0.13	0.2	0.03	2.8	0.1	<0.05	5	0.6
1084635	Soil	6	39	0.37	75	0.128	<1	1.36	0.011	0.05	0.4	0.02	2.1	<0.1	<0.05	9	0.5
1084634	Soil	6	33	0.30	73	0.116	<1	1.17	0.008	0.05	0.3	0.01	1.8	<0.1	<0.05	9	<0.5
1084625	Soil	9	63	1.15	104	0.092	<1	2.85	0.008	0.05	<0.1	0.01	3.9	<0.1	<0.05	7	<0.5
1084632	Soil	7	50	0.60	98	0.098	<1	2.21	0.013	0.07	0.5	0.03	2.8	<0.1	<0.05	6	0.7
1082069	Soil	23	27	0.45	86	0.054	<1	1.84	0.010	0.08	0.3	0.05	2.1	<0.1	<0.05	6	<0.5
1082070	Soil	16	35	0.58	137	0.078	2	2.59	0.013	0.06	0.2	0.04	3.3	<0.1	<0.05	8	0.7
1082062	Soil	2	7	0.10	22	0.074	2	0.27	0.015	0.01	<0.1	0.02	0.4	<0.1	<0.05	3	0.6
1082067	Soil	12	34	0.53	120	0.067	1	2.11	0.012	0.07	0.2	0.04	2.9	<0.1	<0.05	8	<0.5
1082065	Soil	12	35	0.57	98	0.053	2	1.92	0.010	0.06	0.1	0.03	2.6	<0.1	<0.05	9	<0.5
1084605	Soil	2	5	0.09	27	0.053	<1	0.35	0.019	0.02	<0.1	0.03	0.4	<0.1	0.08	2	<0.5
1084603	Soil	11	37	0.56	107	0.095	1	1.79	0.017	0.20	0.2	0.03	2.5	0.2	0.09	5	1.0
1084606	Soil	9	33	0.36	75	0.048	1	1.25	0.008	0.08	0.1	0.05	1.3	0.1	0.09	7	<0.5
1084601	Soil	12	43	1.18	288	0.137	2	2.86	0.021	0.35	0.1	0.02	3.4	0.3	<0.05	9	<0.5
1082064	Soil	15	38	0.65	110	0.072	2	2.22	0.011	0.06	0.1	0.03	2.5	<0.1	0.05	7	<0.5
1084608	Soil	10	35	0.67	97	0.101	1	1.83	0.012	0.20	<0.1	0.03	2.5	0.2	<0.05	6	<0.5
1084609	Soil	10	35	0.50	119	0.099	1	1.64	0.011	0.18	0.1	0.06	2.1	0.2	0.07	7	<0.5
1084610	Soil	10	40	0.52	107	0.071	<1	1.75	0.010	0.11	0.1	0.04	1.9	0.2	<0.05	8	<0.5
1084607	Soil	8	34	0.62	79	0.085	<1	1.73	0.012	0.11	0.1	0.05	1.9	0.1	<0.05	6	<0.5
1084604	Soil	12	35	0.52	104	0.082	1	1.77	0.013	0.12	0.1	0.03	2.5	0.1	0.07	5	<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	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
1082080	Soil	3.9	20.1	61.1	133	0.4	14.8	7.9	250	2.50	8.3	7.1	3.9	12.6	20	0.3	0.4	0.5	49	0.27	0.078
1082078	Soil	1.0	13.8	7.0	25	<0.1	6.2	2.8	112	0.99	3.5	0.9	1.7	0.6	14	<0.1	0.4	0.1	29	0.12	0.045
1082075	Soil	0.4	9.4	8.4	30	<0.1	4.2	3.8	102	1.34	1.1	0.2	<0.5	0.8	10	0.2	0.1	<0.1	42	0.09	0.031
1082057	Soil	1.7	68.6	34.8	125	0.6	50.9	17.0	678	3.84	31.6	2.1	5.2	1.8	55	1.2	0.9	1.3	85	0.56	0.095
1082063	Soil	1.7	36.0	12.0	66	<0.1	16.0	8.2	430	2.71	6.5	0.6	1.5	0.6	15	0.3	0.7	0.2	67	0.12	0.045
1082072	Soil	1.7	37.5	19.1	78	0.3	19.2	6.7	300	2.37	7.3	1.1	1.9	0.5	19	0.6	0.9	0.3	53	0.15	0.059
1082074	Soil	0.9	22.1	73.3	133	<0.1	19.3	7.9	276	2.50	7.7	2.2	6.3	16.1	15	0.5	0.5	0.3	50	0.19	0.037
1082077	Soil	<0.1	8.1	0.8	16	<0.1	1.9	2.8	65	1.09	<0.5	<0.1	0.5	0.1	9	<0.1	<0.1	<0.1	37	0.08	0.028
1082076	Soil	0.3	13.3	2.0	22	<0.1	3.1	3.2	80	1.23	0.9	0.3	<0.5	0.6	9	<0.1	0.1	<0.1	40	0.10	0.037
1082079	Soil	0.4	7.5	0.9	10	<0.1	1.5	1.3	29	0.49	<0.5	0.1	<0.5	0.2	7	<0.1	<0.1	0.2	16	0.05	0.012
1082059	Soil	0.3	10.3	4.3	28	0.1	3.7	4.1	131	1.54	0.7	0.2	<0.5	0.2	14	0.1	<0.1	<0.1	51	0.14	0.049
1082066	Soil	1.9	33.2	26.1	119	<0.1	34.1	13.1	530	3.81	13.0	1.1	2.0	2.4	19	0.3	0.9	0.3	81	0.19	0.046
1082071	Soil	1.2	26.3	30.7	80	<0.1	24.8	9.5	284	2.75	10.3	1.2	3.7	3.9	20	0.3	0.7	0.3	68	0.22	0.026
1082068	Soil	1.8	26.4	26.2	103	<0.1	29.5	11.0	429	3.56	12.5	1.1	1.7	4.6	17	0.3	0.8	0.4	71	0.19	0.043
1082073	Soil	1.2	27.9	34.7	92	0.2	29.0	11.6	287	3.18	11.6	1.3	4.1	6.6	17	0.3	0.7	0.5	69	0.17	0.027
1080218	Soil	2.2	48.8	14.9	70	0.2	33.0	14.8	366	3.10	43.4	1.2	4.5	3.7	21	0.2	0.6	0.2	66	0.20	0.043
1080212	Soil	3.2	40.5	10.0	55	0.1	22.5	8.6	273	2.94	33.9	1.0	2.3	1.4	21	0.1	0.7	0.3	78	0.15	0.069
1080211	Soil	1.2	28.7	11.4	89	<0.1	30.3	12.7	413	3.03	22.5	0.7	3.3	2.3	18	0.2	0.6	0.2	64	0.21	0.048
1080216	Soil	5.6	43.2	13.4	62	0.5	22.3	8.0	295	3.58	371.4	1.0	49.3	2.8	30	0.1	1.4	0.3	62	0.15	0.058
1080213	Soil	3.6	36.2	12.3	87	0.1	28.0	9.3	376	3.41	17.5	1.0	3.2	0.9	17	0.3	1.2	0.3	88	0.13	0.054
1082061	Soil	2.0	41.1	41.3	117	0.2	23.9	11.1	562	3.37	12.1	0.9	2.3	0.7	21	0.4	0.9	0.3	80	0.20	0.070
1082058	Soil	0.8	32.5	29.3	83	0.2	34.6	11.4	578	2.88	16.0	0.8	5.5	3.5	23	0.6	0.6	0.3	66	0.28	0.045
1082081	Soil	1.2	26.0	29.0	81	<0.1	27.8	9.8	290	2.79	10.5	1.2	3.7	3.8	20	0.3	0.6	0.2	67	0.21	0.030
1082051	Soil	0.9	33.0	22.0	155	<0.1	38.7	11.9	536	2.84	23.1	1.2	11.2	2.6	18	0.7	0.7	0.4	77	0.22	0.059
1082060	Soil	1.4	41.3	64.6	193	0.2	28.4	11.1	815	2.81	13.5	1.4	2.3	2.7	21	1.0	0.7	0.5	63	0.27	0.083
1082053	Soil	3.3	46.2	16.8	120	0.2	32.5	9.5	413	3.56	17.6	1.1	4.2	0.3	13	0.4	1.1	0.4	130	0.11	0.078
1082052	Soil	2.4	39.4	10.6	70	0.1	21.7	10.6	648	3.37	10.7	0.6	2.6	0.4	19	0.3	0.8	0.3	87	0.19	0.072
1082056	Soil	1.3	35.5	18.7	81	0.3	12.6	8.2	411	2.22	4.5	1.1	2.6	0.6	22	0.6	0.4	0.2	58	0.29	0.095
1082054	Soil	2.9	37.3	24.1	150	0.6	21.2	9.4	1357	3.37	13.0	1.2	1.5	0.8	20	2.0	0.7	0.7	92	0.25	0.124
1082055	Soil	1.6	32.1	27.8	113	<0.1	31.1	11.9	695	3.18	12.2	0.9	2.5	2.5	18	0.5	0.6	0.3	75	0.21	0.042



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Part 2

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
		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
1082080	Soil	79	27	0.46	86	0.055	2	1.48	0.021	0.06	0.2	0.05	2.5	0.1	<0.05	6	<0.5	<0.2
1082078	Soil	7	12	0.13	58	0.030	2	0.57	0.021	0.03	0.1	0.02	0.7	<0.1	<0.05	3	<0.5	<0.2
1082075	Soil	5	7	0.08	25	0.061	<1	0.46	0.022	0.03	<0.1	0.03	0.5	<0.1	<0.05	3	<0.5	<0.2
1082057	Soil	33	66	0.89	152	0.061	3	2.17	0.017	0.07	0.2	0.07	4.2	0.2	0.06	8	<0.5	<0.2
1082063	Soil	7	20	0.26	71	0.056	<1	0.91	0.010	0.04	<0.1	0.03	1.3	<0.1	<0.05	6	<0.5	<0.2
1082072	Soil	9	21	0.29	117	0.041	2	1.35	0.015	0.04	0.1	0.06	1.1	<0.1	0.07	7	<0.5	<0.2
1082074	Soil	45	25	0.41	73	0.047	<1	1.97	0.014	0.05	0.3	0.04	2.1	0.1	<0.05	7	<0.5	<0.2
1082077	Soil	2	3	0.06	10	0.055	<1	0.15	0.025	0.02	<0.1	<0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
1082076	Soil	10	5	0.07	23	0.061	<1	0.36	0.029	0.03	<0.1	0.01	0.5	<0.1	<0.05	2	<0.5	<0.2
1082079	Soil	1	3	0.03	11	0.026	1	0.17	0.029	0.02	<0.1	0.02	0.3	0.1	<0.05	1	0.5	<0.2
1082059	Soil	3	6	0.10	25	0.067	<1	0.32	0.018	0.02	<0.1	0.06	0.4	<0.1	0.05	3	<0.5	<0.2
1082066	Soil	12	41	0.69	106	0.098	2	2.53	0.011	0.07	0.2	0.03	3.2	0.1	<0.05	9	<0.5	<0.2
1082071	Soil	19	34	0.51	96	0.088	2	2.29	0.012	0.05	0.2	0.03	2.5	0.1	<0.05	7	<0.5	<0.2
1082068	Soil	12	34	0.57	107	0.069	2	2.46	0.012	0.06	0.2	0.04	2.4	0.1	<0.05	9	<0.5	<0.2
1082073	Soil	23	35	0.51	95	0.099	2	2.47	0.016	0.05	0.4	0.03	2.7	<0.1	<0.05	8	0.6	<0.2
1080218	Soil	13	40	0.63	100	0.095	1	2.14	0.017	0.10	0.4	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
1080212	Soil	10	32	0.37	107	0.057	<1	1.28	0.009	0.08	0.1	0.02	1.9	<0.1	<0.05	7	<0.5	<0.2
1080211	Soil	9	36	0.60	97	0.088	3	2.31	0.013	0.07	0.2	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
1080216	Soil	12	34	0.51	125	0.068	3	1.72	0.018	0.14	1.0	0.04	2.3	0.1	0.16	6	<0.5	<0.2
1080213	Soil	11	34	0.43	92	0.066	2	1.56	0.008	0.07	0.1	0.04	1.9	0.1	<0.05	8	<0.5	<0.2
1082061	Soil	15	33	0.49	115	0.054	2	1.60	0.014	0.05	<0.1	0.06	1.6	0.1	<0.05	8	<0.5	<0.2
1082058	Soil	14	40	0.71	156	0.110	2	2.12	0.020	0.08	0.3	0.04	3.4	0.1	<0.05	6	<0.5	<0.2
1082081	Soil	19	33	0.54	95	0.087	1	2.36	0.013	0.05	0.2	0.03	2.5	<0.1	<0.05	7	<0.5	<0.2
1082051	Soil	12	44	0.72	126	0.078	3	2.78	0.015	0.08	0.2	0.06	3.1	0.1	<0.05	7	<0.5	<0.2
1082060	Soil	22	35	0.61	96	0.056	<1	1.50	0.014	0.07	0.5	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
1082053	Soil	10	41	0.44	89	0.032	1	1.73	0.008	0.04	0.2	0.05	1.3	0.1	0.08	9	<0.5	<0.2
1082052	Soil	7	30	0.41	114	0.051	1	1.45	0.010	0.04	0.2	0.08	1.4	0.1	0.07	8	<0.5	<0.2
1082056	Soil	23	16	0.26	108	0.048	3	0.96	0.023	0.06	0.1	0.13	0.6	<0.1	0.09	5	<0.5	<0.2
1082054	Soil	17	32	0.40	402	0.028	2	1.36	0.012	0.10	0.3	0.07	1.5	<0.1	0.09	6	0.9	<0.2
1082055	Soil	16	37	0.60	130	0.065	2	1.95	0.012	0.06	0.3	0.03	2.3	<0.1	<0.05	8	<0.5	<0.2



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Part 1

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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
1080215	Soil	6.1	41.0	16.9	120	0.3	25.7	9.5	375	3.97	111.3	2.0	11.0	1.5	22	0.4	0.9	0.3	77	0.19
1080224	Soil	2.2	30.3	6.8	54	<0.1	24.4	10.4	308	3.27	12.7	0.5	1.5	0.5	14	0.1	0.5	0.2	77	0.15
1080226	Soil	4.1	36.1	10.0	77	0.1	22.9	10.1	409	3.71	20.0	0.8	4.6	0.8	17	0.3	0.8	0.3	85	0.15
1080228	Soil	1.7	36.3	9.6	64	<0.1	27.2	10.5	424	3.15	25.3	0.8	4.5	1.5	13	0.2	0.6	0.5	72	0.11
1080225	Soil	3.1	36.0	9.7	69	<0.1	24.5	9.4	397	4.02	19.3	0.7	2.9	1.0	15	0.2	0.8	0.2	95	0.13
1080209	Soil	3.2	33.1	9.2	57	0.2	26.5	12.2	368	3.04	28.9	0.7	5.5	2.8	18	0.3	0.6	0.2	70	0.20
1080206	Soil	1.2	39.9	5.1	46	0.5	9.7	8.2	291	2.33	8.4	0.5	0.6	0.2	21	0.2	0.4	0.1	64	0.25
1080227	Soil	4.2	41.7	10.5	53	0.2	24.6	6.9	176	3.13	25.1	1.0	2.7	0.3	19	0.3	1.0	0.4	90	0.10
1080229	Soil	2.4	34.5	12.8	72	0.1	23.7	8.9	319	3.43	34.2	0.8	4.4	1.1	14	0.2	0.9	2.5	78	0.11
1080222	Soil	3.4	42.9	7.6	84	<0.1	33.7	12.9	378	3.16	19.7	0.7	3.1	1.4	16	0.3	0.7	0.2	73	0.18
1080203	Soil	2.9	29.3	43.1	68	1.1	21.5	7.7	268	3.56	18.9	0.7	6.9	1.0	14	0.3	1.1	0.3	88	0.12
1080205	Soil	2.9	38.8	11.4	64	0.3	26.4	11.6	363	2.84	28.7	0.8	8.3	2.0	18	0.4	0.5	0.2	67	0.17
1080217	Soil	3.1	33.0	6.6	47	<0.1	14.9	6.7	274	2.51	14.4	0.6	1.7	0.3	12	0.1	0.6	0.2	67	0.10
1080220	Soil	3.5	36.6	12.4	70	0.1	27.7	9.7	312	3.57	21.2	0.7	3.6	0.7	15	0.4	1.1	0.3	95	0.13
1080208	Soil	3.7	34.0	11.2	75	0.1	23.8	9.2	347	3.54	25.2	0.7	2.9	1.1	16	0.3	0.8	0.2	92	0.14
1083985	Soil	1.8	54.7	20.3	76	0.1	34.8	13.9	547	3.65	18.8	1.0	3.8	2.4	18	0.3	0.6	0.2	81	0.16
1080202	Soil	3.5	49.0	463.4	88	10.5	33.7	12.3	429	3.10	44.9	0.8	21.1	2.4	18	0.7	6.7	0.7	68	0.19
1080201	Soil	2.5	35.2	258.1	108	4.7	25.6	11.8	516	3.80	41.5	0.7	17.6	1.8	23	0.6	2.2	0.5	70	0.14
1083988	Soil	1.9	45.2	10.7	86	0.6	19.2	9.9	430	2.51	28.9	0.8	4.7	0.5	17	0.5	0.8	0.2	60	0.14
1080303	Soil	0.9	48.4	10.9	88	0.2	47.4	13.9	618	3.77	16.3	0.7	2.9	4.1	58	0.4	0.5	0.3	75	1.03
1083986	Soil	1.7	38.4	9.5	58	0.1	30.6	11.8	324	3.19	16.4	0.9	3.3	2.1	12	0.2	0.5	0.2	80	0.13
1080204	Soil	1.6	34.2	19.1	76	0.5	27.9	9.4	293	3.00	16.0	0.7	3.4	2.0	16	0.3	0.6	0.2	72	0.20
1080214	Soil	8.1	76.7	9.6	106	0.2	47.4	14.6	722	4.02	51.0	1.8	7.5	3.3	17	0.2	0.6	0.2	75	0.18
1083989	Soil	2.4	41.7	76.7	93	0.9	29.2	11.8	475	3.54	55.9	0.9	12.9	1.5	20	0.7	1.1	0.4	79	0.18
1083984	Soil	2.6	112.8	187.9	117	0.4	30.7	13.0	310	3.25	29.7	3.6	5.3	6.0	19	0.5	0.6	0.7	59	0.11
1080210	Soil	2.7	32.4	8.9	57	0.2	26.2	12.3	366	2.99	26.0	0.7	4.0	2.9	18	0.2	0.6	0.2	71	0.22
1080221	Soil	5.3	38.2	27.3	84	<0.1	30.9	13.0	396	3.07	24.3	2.0	2.7	3.5	18	0.2	0.5	0.2	61	0.21
1080223	Soil	5.2	63.3	6.2	54	0.1	31.2	15.0	434	3.12	17.3	0.9	8.4	0.8	16	0.1	0.4	0.2	73	0.16
1080219	Soil	2.0	31.6	9.2	79	0.2	28.9	14.1	484	3.86	95.8	0.7	15.0	2.9	20	0.3	0.5	0.2	81	0.32
1083987	Soil	1.8	29.1	13.1	73	0.3	23.7	10.3	446	3.25	14.5	0.8	2.9	0.8	16	0.3	0.7	0.2	74	0.19



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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
1080215	Soil	18	35	0.53	144	0.057	2	1.74	0.022	0.09	0.3	0.06	1.9	0.2	0.15	8	<0.5	<0.2
1080224	Soil	7	42	0.48	60	0.065	2	1.65	0.010	0.08	0.2	0.03	1.8	0.1	0.14	7	0.6	<0.2
1080226	Soil	9	38	0.52	92	0.065	2	1.56	0.010	0.06	0.2	0.06	2.1	0.1	0.06	8	<0.5	<0.2
1080228	Soil	11	38	0.46	80	0.071	<1	1.65	0.009	0.08	0.3	0.03	2.1	0.1	<0.05	6	<0.5	<0.2
1080225	Soil	9	44	0.51	104	0.069	1	1.66	0.008	0.07	0.2	0.02	2.3	<0.1	0.06	9	<0.5	<0.2
1080209	Soil	9	37	0.57	114	0.093	1	1.91	0.014	0.08	0.2	0.02	2.8	<0.1	0.07	5	<0.5	<0.2
1080206	Soil	6	17	0.23	101	0.070	3	0.92	0.026	0.05	0.2	0.07	0.9	<0.1	0.09	4	<0.5	<0.2
1080227	Soil	10	40	0.23	108	0.042	<1	1.27	0.009	0.07	0.3	0.06	1.3	0.1	0.09	7	<0.5	<0.2
1080229	Soil	12	36	0.40	76	0.051	<1	1.44	0.008	0.07	0.2	0.04	1.8	0.1	0.06	7	0.6	<0.2
1080222	Soil	8	40	0.65	94	0.078	1	2.09	0.011	0.07	0.2	0.04	2.7	<0.1	<0.05	6	<0.5	<0.2
1080203	Soil	9	37	0.43	97	0.070	1	1.71	0.008	0.05	0.1	0.05	2.2	0.1	<0.05	8	<0.5	<0.2
1080205	Soil	11	36	0.49	111	0.071	2	1.78	0.012	0.07	0.3	0.05	2.5	<0.1	0.06	5	<0.5	<0.2
1080217	Soil	7	21	0.21	59	0.045	1	0.85	0.012	0.04	0.1	0.03	1.0	<0.1	0.05	5	<0.5	<0.2
1080220	Soil	9	37	0.44	94	0.057	<1	1.64	0.009	0.05	0.2	0.03	2.1	0.1	<0.05	9	<0.5	<0.2
1080208	Soil	10	39	0.49	100	0.085	1	1.75	0.009	0.07	0.2	0.02	2.3	0.1	<0.05	8	<0.5	<0.2
1083985	Soil	12	45	0.62	118	0.084	2	2.10	0.011	0.09	0.6	0.03	3.1	<0.1	0.06	6	<0.5	<0.2
1080202	Soil	10	34	0.53	129	0.111	2	2.20	0.013	0.08	0.3	0.08	3.0	<0.1	0.08	6	0.6	<0.2
1080201	Soil	10	37	0.56	181	0.073	1	1.65	0.015	0.14	0.2	0.04	2.4	0.1	0.21	6	0.9	<0.2
1083988	Soil	7	25	0.41	94	0.050	2	1.24	0.017	0.06	0.7	0.04	1.4	<0.1	0.09	5	0.7	<0.2
1080303	Soil	23	50	0.98	162	0.093	2	2.45	0.024	0.14	0.3	0.02	5.6	0.2	<0.05	7	<0.5	<0.2
1083986	Soil	10	43	0.54	74	0.095	<1	1.83	0.008	0.14	0.2	0.04	2.7	0.2	<0.05	6	<0.5	<0.2
1080204	Soil	9	41	0.54	95	0.091	1	2.08	0.011	0.06	0.4	0.06	2.9	<0.1	<0.05	6	<0.5	<0.2
1080214	Soil	16	38	0.52	96	0.050	<1	1.71	0.008	0.10	0.4	0.04	3.7	0.1	<0.05	5	0.7	<0.2
1083989	Soil	11	42	0.56	125	0.091	2	1.98	0.012	0.07	0.4	0.04	2.7	<0.1	0.06	6	<0.5	<0.2
1083984	Soil	18	30	0.34	110	0.045	<1	1.41	0.011	0.08	0.3	<0.01	2.6	<0.1	0.07	4	1.1	0.3
1080210	Soil	10	36	0.57	115	0.105	2	1.85	0.018	0.08	0.3	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
1080221	Soil	25	38	0.55	98	0.082	1	1.98	0.013	0.06	0.3	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
1080223	Soil	9	47	0.63	79	0.066	2	2.15	0.016	0.07	0.2	0.05	2.3	<0.1	0.10	5	0.7	<0.2
1080219	Soil	13	37	0.73	134	0.094	<1	2.31	0.014	0.16	0.3	0.02	4.4	0.1	<0.05	7	<0.5	<0.2
1083987	Soil	10	38	0.58	84	0.069	1	1.80	0.009	0.05	0.1	0.03	2.0	<0.1	<0.05	7	<0.5	<0.2



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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
1082146	Soil	0.6	26.8	13.3	83	<0.1	20.8	8.0	262	2.28	7.4	1.0	4.5	4.5	17	0.2	0.3	0.2	53	0.27	0.045
1080314	Soil	1.2	28.1	6.6	60	<0.1	23.8	17.2	299	4.06	13.1	0.5	16.9	2.6	16	0.2	0.6	0.3	96	0.24	0.056
1080311	Soil	1.3	103.0	6.5	59	0.1	84.4	23.4	330	4.15	10.2	0.7	4.2	3.5	16	0.2	0.4	2.7	86	0.25	0.049
1080313	Soil	1.7	34.2	12.6	57	0.1	33.5	17.8	462	4.69	16.8	0.6	5.5	3.2	19	0.3	0.5	0.6	105	0.27	0.060
1080312	Soil	1.2	68.3	6.2	54	<0.1	133.9	27.9	405	3.67	10.6	0.6	5.1	3.4	19	0.2	0.4	1.0	76	0.28	0.052
1082150	Soil	0.5	86.4	12.0	188	<0.1	77.9	15.2	287	4.86	24.7	2.7	3.2	16.2	36	0.6	0.7	0.4	59	0.66	0.160
1082147	Soil	0.6	26.4	13.7	82	<0.1	20.2	8.0	242	2.22	6.6	1.1	3.2	4.6	18	0.2	0.3	0.2	51	0.30	0.046
1080301	Soil	0.5	87.3	12.5	192	<0.1	78.5	15.2	295	5.01	24.8	2.7	1.8	15.7	36	0.5	0.7	0.4	61	0.71	0.164
1082149	Soil	0.5	142.8	152.1	80	0.1	40.2	9.5	228	3.07	12.7	1.1	9.5	4.7	33	0.3	1.6	1.3	55	0.85	0.322
1082148	Soil	0.7	52.7	14.5	87	0.1	37.3	12.2	311	3.09	9.5	1.5	4.0	4.8	35	0.1	0.4	0.3	65	0.69	0.103
1080304	Soil	1.3	65.0	13.5	104	0.2	45.7	12.0	440	3.48	17.7	0.6	4.3	4.9	85	0.3	0.5	0.3	63	2.97	0.140
1080302	Soil	0.9	52.0	11.0	113	0.2	46.0	15.9	540	3.79	15.8	0.7	5.7	4.9	97	0.4	0.5	0.2	60	3.20	0.245
1080306	Soil	1.0	37.3	12.5	79	<0.1	65.1	20.2	456	3.52	17.4	0.6	2.2	2.8	29	0.2	0.4	0.2	69	0.63	0.053
1080305	Soil	1.0	35.2	12.9	74	0.2	45.1	14.8	780	3.16	13.6	0.9	3.7	1.6	57	0.2	0.5	0.2	60	1.74	0.134
1080307	Soil	1.5	43.7	36.5	90	1.3	75.1	19.5	596	4.73	45.8	0.8	19.7	5.3	55	0.6	0.7	0.2	77	0.79	0.086
1082141	Soil	2.7	23.0	19.0	62	0.2	17.9	5.9	158	3.04	12.0	0.7	4.4	3.1	10	0.3	0.6	0.3	78	0.11	0.032
1082144	Soil	0.8	25.0	24.6	76	<0.1	32.9	13.6	282	2.94	12.3	1.0	0.5	5.0	11	0.2	0.4	0.2	55	0.13	0.024
1082137	Soil	1.7	30.4	24.3	99	0.1	31.7	12.7	561	3.67	14.5	1.0	2.3	4.8	16	0.6	0.7	0.2	73	0.20	0.037
1082136	Soil	0.9	31.3	13.1	76	0.2	24.3	11.7	435	2.93	11.0	0.8	3.0	3.6	17	0.4	0.5	0.2	64	0.29	0.063
1082135	Soil	1.3	35.4	18.5	83	0.2	27.9	12.7	464	3.41	11.4	1.4	4.9	4.2	20	0.5	0.5	0.3	78	0.28	0.057
1080318	Soil	0.9	22.4	6.0	67	<0.1	20.0	16.6	344	4.11	7.7	0.4	1.2	1.9	11	0.2	0.3	0.1	83	0.56	0.232
1080308	Soil	1.2	29.1	12.1	73	0.3	130.2	28.6	447	4.46	12.4	0.8	2.0	4.8	15	0.3	0.4	0.2	91	0.28	0.034
1082140	Soil	3.1	25.5	22.2	87	0.4	22.2	14.2	571	4.26	15.7	0.7	4.0	3.6	12	0.5	0.7	0.3	89	0.14	0.047
1082145	Soil	0.7	23.3	15.7	71	0.1	26.0	9.9	406	2.57	9.2	1.1	2.9	6.3	10	0.4	0.3	0.2	56	0.13	0.022
1082142	Soil	2.0	23.9	21.0	77	0.4	24.4	10.0	300	4.27	32.8	0.7	3.6	3.6	10	0.4	0.6	0.2	84	0.13	0.044
1080317	Soil	1.0	23.5	6.5	68	<0.1	20.4	16.6	353	4.11	7.7	0.5	3.3	2.0	11	0.2	0.3	0.2	83	0.54	0.217
1080309	Soil	1.0	52.1	9.2	65	<0.1	69.0	20.0	437	3.52	21.7	0.7	4.6	4.1	18	0.3	0.5	0.4	68	0.23	0.044
1080310	Soil	1.0	32.6	10.3	64	<0.1	40.8	16.9	412	3.39	19.9	0.6	2.8	3.8	11	0.3	0.5	0.4	65	0.17	0.042
1080316	Soil	0.8	24.3	7.1	73	<0.1	19.7	18.0	408	5.01	9.7	0.4	2.9	1.7	10	<0.1	0.4	0.2	123	0.26	0.063
1080315	Soil	1.3	38.5	8.0	53	<0.1	25.9	16.2	315	4.40	43.1	0.6	47.0	2.9	24	0.2	0.5	0.4	95	0.23	0.062



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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
1082146	Soil	22	34	0.50	103	0.094	1	1.72	0.012	0.07	0.2	0.01	3.6	0.1	<0.05	6	<0.5	<0.2
1080314	Soil	8	32	0.72	141	0.159	1	2.72	0.015	0.23	0.3	0.03	3.8	0.2	<0.05	8	0.5	<0.2
1080311	Soil	10	125	1.36	139	0.162	2	3.19	0.014	0.20	0.2	0.02	5.2	0.3	<0.05	9	<0.5	1.0
1080313	Soil	7	50	0.66	123	0.167	1	2.21	0.013	0.13	0.4	0.04	3.4	0.1	<0.05	10	<0.5	<0.2
1080312	Soil	10	127	0.96	127	0.135	<1	2.15	0.014	0.17	0.3	0.01	3.9	0.2	<0.05	7	<0.5	<0.2
1082150	Soil	65	64	1.06	115	0.032	<1	2.63	0.009	0.36	0.2	<0.01	4.9	0.2	<0.05	10	<0.5	<0.2
1082147	Soil	23	34	0.51	100	0.097	1	1.68	0.013	0.08	0.2	0.01	3.7	0.1	<0.05	6	<0.5	<0.2
1080301	Soil	61	67	1.12	117	0.034	<1	2.80	0.009	0.37	0.2	<0.01	5.3	0.2	<0.05	10	<0.5	<0.2
1082149	Soil	19	40	0.69	116	0.056	1	1.77	0.008	0.11	0.4	0.01	4.4	<0.1	<0.05	6	0.6	0.2
1082148	Soil	20	55	0.72	175	0.095	1	2.22	0.018	0.07	0.2	0.02	6.7	<0.1	<0.05	7	<0.5	<0.2
1080304	Soil	18	55	0.98	144	0.085	1	1.98	0.019	0.17	0.6	0.01	5.1	0.2	<0.05	7	<0.5	<0.2
1080302	Soil	14	43	1.09	112	0.066	2	2.08	0.025	0.15	0.4	0.01	4.8	0.2	<0.05	7	0.6	<0.2
1080306	Soil	7	76	1.44	109	0.100	2	2.42	0.016	0.10	0.2	0.02	3.2	0.2	<0.05	7	<0.5	<0.2
1080305	Soil	11	45	0.94	147	0.055	2	2.05	0.016	0.08	0.3	0.02	2.8	0.1	0.05	6	0.7	<0.2
1080307	Soil	20	67	0.97	208	0.098	2	2.59	0.026	0.11	0.2	0.03	5.8	0.2	<0.05	8	<0.5	<0.2
1082141	Soil	8	24	0.23	58	0.069	1	1.50	0.008	0.06	0.2	0.02	1.4	<0.1	<0.05	12	0.6	<0.2
1082144	Soil	12	37	0.44	111	0.086	<1	2.57	0.008	0.06	0.2	0.02	2.0	<0.1	<0.05	7	<0.5	<0.2
1082137	Soil	14	37	0.61	147	0.076	2	2.42	0.010	0.06	0.2	0.04	2.6	0.1	<0.05	9	<0.5	<0.2
1082136	Soil	14	29	0.52	106	0.113	2	1.78	0.012	0.08	0.3	0.01	2.7	0.1	<0.05	5	<0.5	<0.2
1082135	Soil	24	36	0.61	117	0.110	2	1.98	0.011	0.09	0.3	0.03	3.1	0.1	<0.05	7	<0.5	<0.2
1080318	Soil	5	22	0.87	156	0.178	<1	2.34	0.012	0.36	0.2	0.02	3.7	0.2	<0.05	8	<0.5	<0.2
1080308	Soil	16	157	2.27	117	0.224	1	3.93	0.010	0.19	0.3	0.02	4.2	0.2	<0.05	9	<0.5	<0.2
1082140	Soil	8	33	0.38	82	0.100	1	1.93	0.008	0.08	0.3	0.03	2.0	<0.1	<0.05	10	<0.5	<0.2
1082145	Soil	19	35	0.44	94	0.086	1	1.98	0.009	0.08	0.2	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
1082142	Soil	9	36	0.40	72	0.118	1	2.21	0.007	0.07	0.2	0.02	2.4	<0.1	<0.05	10	<0.5	<0.2
1080317	Soil	5	22	0.86	154	0.174	<1	2.37	0.012	0.36	0.2	0.02	3.7	0.2	<0.05	8	<0.5	<0.2
1080309	Soil	10	63	0.83	157	0.111	3	2.63	0.015	0.14	0.4	0.02	3.7	0.2	<0.05	7	<0.5	<0.2
1080310	Soil	8	42	0.74	111	0.115	1	2.47	0.010	0.13	0.4	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
1080316	Soil	5	24	1.03	203	0.257	1	2.35	0.011	0.43	0.2	0.02	3.4	0.2	<0.05	9	0.5	<0.2
1080315	Soil	8	28	0.68	179	0.153	1	2.49	0.018	0.14	2.5	0.02	3.1	0.1	<0.05	9	<0.5	0.2



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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
1082280	Soil	1.5	33.6	19.6	88	0.5	34.3	12.6	470	3.68	25.6	1.1	11.7	2.8	17	0.7	0.5	0.8	76	0.14	0.063
1082281	Soil	1.5	28.4	19.0	79	0.2	31.0	13.5	590	3.39	15.7	0.8	4.3	4.0	17	0.5	0.5	0.2	77	0.18	0.054
1082284	Soil	2.7	222.2	15.6	62	1.3	71.4	16.5	402	3.25	12.3	0.9	10.2	3.2	56	0.2	0.5	0.8	83	0.18	0.038
1082283	Soil	1.1	267.2	14.3	78	0.6	38.2	18.0	830	3.73	11.0	1.1	64.7	5.5	47	0.3	0.4	1.1	67	0.33	0.028
1082262	Soil	1.0	27.2	15.5	82	<0.1	27.2	10.8	403	2.84	10.0	1.0	2.0	3.6	11	0.2	0.5	0.2	62	0.15	0.032
1082276	Soil	0.9	35.0	10.5	63	0.2	32.3	11.8	436	2.89	21.5	0.6	5.9	2.5	13	0.2	0.3	0.1	71	0.22	0.062
1082277	Soil	1.0	44.5	11.9	78	<0.1	41.4	12.2	337	2.80	15.2	0.6	8.6	2.0	14	0.4	0.4	0.1	70	0.20	0.050
1082282	Soil	0.7	51.6	25.6	82	0.3	29.8	13.9	681	3.18	15.2	1.2	7.7	5.8	140	0.4	0.4	0.3	65	0.37	0.031
1082278	Soil	2.2	30.8	19.5	93	0.3	28.3	11.5	442	3.98	24.0	0.7	2.3	2.0	11	0.7	0.7	0.3	89	0.14	0.063
1082279	Soil	1.6	40.9	25.8	115	0.6	35.1	12.3	636	3.35	37.0	1.4	5.1	2.6	20	1.0	0.5	0.4	78	0.14	0.060
1082139	Soil	2.5	23.5	28.3	125	0.2	20.3	8.0	305	3.55	11.4	1.5	5.0	3.6	16	0.5	0.8	0.3	69	0.21	0.057
1082143	Soil	1.3	25.5	28.1	87	0.5	23.1	10.6	293	3.96	35.9	0.9	14.9	4.2	12	0.4	0.6	0.2	70	0.15	0.034
1082138	Soil	1.4	27.8	13.9	64	0.1	20.4	10.7	400	3.19	9.7	0.9	4.5	1.7	17	0.5	0.5	0.2	66	0.22	0.053
1082134	Soil	1.2	29.0	20.2	92	<0.1	28.2	11.8	449	3.43	11.9	1.1	4.8	3.5	14	0.2	0.6	0.3	66	0.16	0.041
1082275	Soil	0.7	33.7	10.3	65	0.2	32.8	11.8	453	2.99	22.2	0.6	2.9	2.8	14	0.2	0.5	0.1	66	0.25	0.069
1082259	Soil	1.9	26.0	15.5	65	<0.1	25.8	10.1	373	3.88	13.5	0.6	3.3	3.3	12	0.3	0.6	0.2	73	0.13	0.050
1082264	Soil	1.0	25.1	32.3	105	<0.1	26.9	10.9	527	2.92	10.3	1.1	2.3	3.8	11	0.3	0.4	0.2	61	0.14	0.037
1082263	Soil	1.7	25.1	24.2	106	0.1	25.7	8.6	389	3.52	12.5	1.2	4.7	3.4	11	0.3	0.7	0.2	63	0.11	0.037
1082265	Soil	1.0	27.9	29.3	120	<0.1	27.5	12.2	618	3.53	10.7	1.3	2.8	7.2	10	0.2	0.4	0.2	58	0.13	0.042
1082266	Soil	2.3	29.2	23.7	120	<0.1	26.7	11.7	708	3.72	14.7	1.0	2.4	2.6	14	0.3	0.9	0.2	71	0.16	0.063
1082251	Soil	0.7	33.8	15.8	82	<0.1	32.0	13.0	580	3.20	9.1	1.0	3.8	4.8	21	0.3	0.4	0.2	68	0.33	0.051
1082255	Soil	1.4	26.4	17.4	69	<0.1	27.4	11.9	348	3.85	9.0	0.6	2.8	3.0	11	0.3	0.4	0.3	72	0.14	0.037
1082256	Soil	0.9	37.2	11.8	72	<0.1	40.2	15.2	515	3.40	10.4	0.8	2.4	2.6	12	0.3	0.4	0.2	66	0.18	0.058
1082257	Soil	1.7	24.8	18.1	75	0.1	27.2	10.0	351	3.55	11.2	0.8	4.9	3.0	12	0.2	0.6	0.2	77	0.15	0.037
1082258	Soil	0.8	31.7	16.9	77	<0.1	31.2	11.7	508	3.09	10.2	0.9	4.2	3.8	14	0.3	0.4	0.2	63	0.19	0.036
1082261	Soil	2.6	29.8	18.5	91	0.1	28.6	11.4	669	3.86	14.1	1.3	2.5	4.2	13	0.4	0.9	0.3	77	0.13	0.045
1082260	Soil	1.0	28.3	17.2	77	<0.1	30.5	11.2	434	3.14	10.6	1.1	3.7	4.1	12	0.3	0.5	0.2	62	0.15	0.036
1082252	Soil	0.9	24.6	12.5	65	<0.1	26.3	10.6	521	2.87	8.8	0.7	3.2	3.8	14	0.3	0.3	0.2	58	0.22	0.049
1082253	Soil	1.9	25.2	15.8	72	<0.1	26.7	10.3	331	3.92	13.2	0.7	4.1	2.7	13	0.3	0.7	0.2	79	0.15	0.041
1082254	Soil	0.7	26.4	11.9	65	<0.1	30.3	11.9	463	3.04	9.5	0.7	2.3	3.3	14	0.3	0.4	0.2	66	0.21	0.034



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Part 2

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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
1082280	Soil	15	50	0.72	127	0.076	2	2.53	0.009	0.07	0.3	0.06	2.7	<0.1	<0.05	7	<0.5	<0.2
1082281	Soil	17	41	0.67	160	0.095	2	2.27	0.010	0.07	0.3	0.03	3.3	<0.1	<0.05	7	<0.5	<0.2
1082284	Soil	12	92	0.95	105	0.113	1	2.25	0.012	0.12	3.9	0.04	3.5	0.1	<0.05	8	<0.5	<0.2
1082283	Soil	15	48	1.60	137	0.131	2	2.22	0.019	0.11	1.5	0.02	5.3	0.2	<0.05	7	<0.5	0.4
1082262	Soil	18	35	0.49	77	0.091	2	2.33	0.010	0.06	0.2	0.03	2.3	0.1	<0.05	7	0.5	<0.2
1082276	Soil	9	39	0.59	118	0.094	2	1.93	0.010	0.09	0.2	0.03	2.8	<0.1	<0.05	6	0.5	<0.2
1082277	Soil	8	41	0.62	115	0.081	1	2.16	0.009	0.06	0.2	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
1082282	Soil	24	45	0.78	162	0.097	1	2.28	0.029	0.16	0.5	<0.01	4.3	0.2	<0.05	7	<0.5	<0.2
1082278	Soil	10	44	0.57	132	0.078	1	2.08	0.008	0.08	0.2	0.03	2.4	0.1	<0.05	8	<0.5	<0.2
1082279	Soil	19	47	0.62	189	0.072	2	2.23	0.009	0.06	0.2	0.05	2.6	<0.1	<0.05	7	<0.5	<0.2
1082139	Soil	26	27	0.41	92	0.070	2	1.38	0.010	0.07	0.2	0.03	2.2	<0.1	<0.05	8	<0.5	<0.2
1082143	Soil	13	33	0.50	89	0.100	2	2.09	0.011	0.07	0.2	0.03	3.0	<0.1	<0.05	9	<0.5	<0.2
1082138	Soil	12	29	0.48	100	0.076	3	1.76	0.013	0.07	0.2	0.03	2.3	<0.1	0.06	6	<0.5	<0.2
1082134	Soil	23	31	0.57	102	0.087	2	2.34	0.011	0.05	0.3	0.04	2.9	<0.1	<0.05	8	<0.5	<0.2
1082275	Soil	9	38	0.65	127	0.085	2	2.00	0.012	0.10	0.2	0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
1082259	Soil	9	38	0.61	71	0.085	3	2.56	0.010	0.07	0.2	0.04	2.8	0.1	<0.05	8	<0.5	<0.2
1082264	Soil	39	34	0.59	69	0.086	1	2.33	0.010	0.06	0.3	0.04	2.6	<0.1	<0.05	7	<0.5	<0.2
1082263	Soil	16	32	0.54	70	0.068	2	2.26	0.011	0.07	0.2	0.05	2.2	<0.1	<0.05	9	0.6	<0.2
1082265	Soil	18	38	0.74	79	0.062	2	2.48	0.010	0.07	0.2	0.03	3.3	0.1	<0.05	8	<0.5	<0.2
1082266	Soil	13	33	0.60	144	0.060	2	2.03	0.012	0.07	0.2	0.06	2.3	0.1	0.05	9	<0.5	<0.2
1082251	Soil	17	42	0.72	189	0.113	3	2.26	0.021	0.08	0.2	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
1082255	Soil	10	40	0.57	95	0.069	1	2.16	0.010	0.06	0.2	0.01	3.0	0.1	<0.05	9	<0.5	<0.2
1082256	Soil	12	52	0.72	91	0.093	1	2.93	0.014	0.06	0.3	0.04	3.7	<0.1	<0.05	7	<0.5	<0.2
1082257	Soil	12	38	0.55	107	0.084	2	2.25	0.012	0.06	0.2	0.04	2.9	0.1	<0.05	8	<0.5	<0.2
1082258	Soil	14	39	0.66	124	0.092	2	2.28	0.013	0.07	0.2	0.03	3.2	<0.1	<0.05	7	<0.5	<0.2
1082261	Soil	17	38	0.58	115	0.077	2	2.23	0.010	0.07	0.1	0.07	3.1	<0.1	<0.05	9	<0.5	<0.2
1082260	Soil	15	37	0.62	88	0.080	1	2.24	0.011	0.06	0.2	0.04	2.9	<0.1	<0.05	7	<0.5	<0.2
1082252	Soil	10	34	0.56	87	0.097	1	2.01	0.013	0.07	0.2	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
1082253	Soil	11	36	0.54	91	0.084	1	2.27	0.011	0.07	0.1	0.02	2.8	<0.1	<0.05	9	<0.5	<0.2
1082254	Soil	10	38	0.64	111	0.103	<1	2.35	0.013	0.06	0.2	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2



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Part 1

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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
1080411	Soil	1.7	15.5	10.1	119	<0.1	8.8	4.2	699	3.57	3.9	0.8	1.5	3.4	24	0.4	0.2	<0.1	25	0.42	0.077
1080406	Soil	0.8	21.6	24.4	78	<0.1	22.5	9.6	384	2.63	7.4	1.2	1.9	4.4	14	0.4	0.4	0.2	53	0.20	0.027
1080408	Soil	2.7	22.7	16.5	71	<0.1	19.0	7.6	383	3.25	10.1	0.7	2.0	1.8	13	0.2	0.9	0.3	74	0.13	0.032
1080407	Soil	0.7	17.9	18.3	67	<0.1	17.3	7.5	307	2.13	5.9	1.0	2.3	3.6	11	0.4	0.4	0.2	44	0.16	0.026
1080404	Soil	1.2	22.8	14.8	84	<0.1	23.0	9.5	289	3.04	8.8	0.9	3.1	3.0	14	0.4	0.5	0.2	59	0.19	0.037
1082272	Soil	1.0	36.1	18.7	89	0.1	35.4	14.3	624	3.17	11.9	0.9	3.3	3.3	12	0.5	0.4	0.2	64	0.14	0.037
1082273	Soil	1.4	29.5	13.1	74	<0.1	27.1	10.3	407	3.25	11.1	0.6	1.8	1.4	14	0.3	0.5	0.2	68	0.17	0.051
1082274	Soil	1.3	35.7	14.3	71	0.2	32.8	11.3	333	3.55	16.6	0.7	1.9	2.1	10	0.2	0.5	0.2	75	0.12	0.041
1080412	Soil	0.9	21.2	17.2	69	<0.1	25.9	10.8	311	2.73	7.8	0.9	3.7	4.5	12	0.6	0.4	0.2	53	0.18	0.029
1080410	Soil	2.4	17.2	16.1	56	0.2	17.2	5.9	147	2.97	9.6	0.6	3.9	2.4	12	0.2	0.7	0.2	73	0.12	0.027
1082268	Soil	1.7	99.6	16.2	184	0.2	57.5	19.7	1288	3.84	14.2	1.0	5.5	3.0	13	1.5	0.5	0.3	128	0.24	0.099
1082267	Soil	3.1	42.2	16.7	87	0.2	26.1	11.1	803	3.95	19.4	1.4	2.7	1.3	11	0.3	0.9	0.3	105	0.11	0.055
1082270	Soil	1.7	33.2	22.4	121	0.1	27.6	11.1	665	3.37	11.5	0.9	6.1	1.8	13	0.5	0.8	0.2	66	0.13	0.042
1082269	Soil	1.2	48.0	14.3	169	0.5	57.0	15.4	608	3.37	13.1	0.9	3.2	2.2	13	0.5	0.4	0.4	79	0.20	0.066
1082271	Soil	1.1	31.4	27.0	115	0.3	27.8	12.2	749	2.88	11.7	0.9	3.7	4.1	17	0.3	0.4	0.3	64	0.20	0.036
1080421	Soil	1.4	21.1	27.3	84	0.1	27.3	10.1	306	3.09	10.4	1.0	4.0	3.1	13	0.3	0.4	0.2	60	0.19	0.030
1080422	Soil	1.1	22.3	23.5	69	0.1	27.7	10.4	278	3.02	10.5	0.8	5.8	3.9	14	0.4	0.5	0.3	64	0.20	0.032
1080420	Soil	3.2	36.5	15.2	102	<0.1	18.9	10.9	1619	3.16	8.9	0.7	2.9	0.7	16	0.5	0.9	0.3	73	0.13	0.050
1080414	Soil	0.9	25.4	13.4	69	<0.1	30.0	11.5	543	2.62	7.9	0.7	3.5	2.5	17	0.2	0.4	0.2	56	0.21	0.029
1080417	Soil	1.5	23.8	15.7	72	<0.1	28.5	9.8	331	3.03	9.8	0.8	1.5	2.7	16	0.3	0.6	0.3	62	0.20	0.035
1080409	Soil	0.9	58.7	45.5	285	0.1	36.8	13.9	708	3.87	8.6	2.7	5.2	8.5	28	0.7	0.5	1.2	75	0.53	0.075
1080423	Soil	2.2	32.6	24.3	155	0.1	26.2	11.5	603	3.87	12.4	0.8	3.5	3.2	16	0.5	0.9	0.4	79	0.15	0.029
1080425	Soil	1.2	24.3	21.7	82	0.3	24.8	9.6	301	2.75	17.2	0.9	2.4	4.9	16	0.3	0.5	0.3	59	0.21	0.039
1080419	Soil	1.5	23.4	17.5	77	0.1	27.1	11.0	298	3.25	11.9	0.8	3.4	2.9	14	0.2	0.7	0.3	70	0.16	0.029
1080424	Soil	0.8	20.6	15.8	73	<0.1	21.9	9.0	328	2.45	10.0	1.1	3.9	4.1	18	0.2	0.4	0.2	54	0.25	0.039
1080403	Soil	0.7	25.7	11.4	64	<0.1	30.0	11.6	417	2.50	8.3	0.8	2.6	3.6	17	0.4	0.4	0.2	55	0.21	0.028
1080402	Soil	0.8	22.6	11.2	63	<0.1	28.4	11.6	373	2.64	8.2	0.7	4.0	3.3	14	0.2	0.4	0.2	59	0.19	0.027
1080405	Soil	1.9	26.7	22.6	86	0.1	21.3	8.6	349	3.09	9.9	1.0	3.0	2.2	12	0.5	0.8	0.3	66	0.12	0.031
1080401	Soil	0.7	23.2	11.7	63	<0.1	27.1	11.6	408	2.64	8.2	0.8	1.7	3.5	15	0.3	0.4	0.2	59	0.19	0.025
1080416	Soil	1.0	23.2	11.4	63	<0.1	24.6	10.8	356	2.68	8.0	0.7	1.2	3.2	14	0.2	0.5	0.2	61	0.19	0.032



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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
1080411	Soil	20	11	0.97	214	0.113	<1	1.83	0.013	0.45	0.2	0.01	1.5	0.2	<0.05	13	<0.5
1080406	Soil	18	30	0.50	116	0.092	2	1.90	0.013	0.05	0.2	0.02	2.8	<0.1	<0.05	6	<0.5
1080408	Soil	8	23	0.30	103	0.063	<1	1.34	0.013	0.04	0.1	0.04	1.7	0.1	<0.05	9	<0.5
1080407	Soil	14	22	0.37	78	0.079	2	1.39	0.012	0.05	0.2	0.01	2.0	<0.1	<0.05	5	<0.5
1080404	Soil	13	32	0.50	94	0.084	2	2.10	0.011	0.05	0.1	0.04	2.6	<0.1	<0.05	7	<0.5
1082272	Soil	12	40	0.71	98	0.070	1	2.39	0.012	0.08	0.2	0.03	3.2	<0.1	<0.05	6	<0.5
1082273	Soil	8	33	0.50	103	0.063	<1	1.61	0.009	0.06	0.1	0.04	2.1	<0.1	<0.05	7	<0.5
1082274	Soil	9	43	0.64	100	0.069	1	2.21	0.009	0.06	0.2	0.03	2.8	<0.1	<0.05	7	<0.5
1080412	Soil	15	29	0.49	116	0.100	<1	1.89	0.010	0.09	0.2	0.02	2.6	0.1	<0.05	6	<0.5
1080410	Soil	9	26	0.30	97	0.057	1	1.71	0.008	0.04	0.1	0.03	2.2	0.1	<0.05	8	<0.5
1082268	Soil	13	41	0.96	123	0.066	3	2.74	0.012	0.06	0.5	0.04	4.2	<0.1	<0.05	8	<0.5
1082267	Soil	9	35	0.44	181	0.078	2	1.70	0.008	0.05	0.2	0.06	2.1	0.1	<0.05	9	<0.5
1082270	Soil	16	35	0.55	97	0.059	<1	2.09	0.009	0.04	0.1	0.05	2.4	<0.1	<0.05	7	<0.5
1082269	Soil	12	44	0.77	100	0.077	1	2.64	0.010	0.06	0.2	0.05	3.9	0.1	<0.05	7	<0.5
1082271	Soil	20	34	0.65	310	0.079	1	1.98	0.013	0.06	0.2	0.02	3.5	0.1	<0.05	6	<0.5
1080421	Soil	15	32	0.52	91	0.085	1	2.15	0.011	0.04	0.2	0.03	2.7	<0.1	<0.05	8	<0.5
1080422	Soil	14	33	0.52	98	0.105	<1	2.30	0.010	0.05	0.2	0.02	2.7	<0.1	<0.05	7	<0.5
1080420	Soil	9	26	0.33	149	0.064	1	1.34	0.008	0.05	0.1	0.03	1.4	0.1	<0.05	8	0.7
1080414	Soil	11	35	0.60	94	0.094	2	2.12	0.010	0.06	0.2	0.02	2.7	<0.1	<0.05	6	<0.5
1080417	Soil	13	32	0.49	120	0.103	<1	2.11	0.010	0.06	0.2	0.03	2.5	0.1	<0.05	7	<0.5
1080409	Soil	49	57	1.10	123	0.174	<1	2.76	0.013	0.52	0.3	0.02	7.4	0.5	<0.05	11	<0.5
1080423	Soil	10	33	0.52	158	0.075	<1	2.01	0.009	0.06	0.1	0.02	2.4	0.1	<0.05	11	0.5
1080425	Soil	19	33	0.51	102	0.083	<1	2.05	0.009	0.07	0.2	0.02	2.4	<0.1	<0.05	7	<0.5
1080419	Soil	12	35	0.56	118	0.088	<1	2.28	0.009	0.05	0.2	0.04	2.6	0.1	<0.05	8	<0.5
1080424	Soil	25	30	0.55	95	0.095	<1	1.62	0.011	0.07	0.2	0.01	2.3	<0.1	<0.05	6	<0.5
1080403	Soil	11	28	0.54	130	0.108	<1	2.17	0.014	0.05	0.2	0.02	2.8	<0.1	<0.05	5	<0.5
1080402	Soil	10	32	0.59	89	0.102	<1	2.29	0.012	0.06	0.2	0.02	3.1	<0.1	<0.05	5	<0.5
1080405	Soil	12	30	0.45	81	0.071	<1	1.82	0.008	0.04	0.1	0.03	2.1	<0.1	<0.05	8	<0.5
1080401	Soil	11	34	0.61	91	0.107	2	2.21	0.012	0.06	0.1	0.02	3.0	<0.1	<0.05	6	<0.5
1080416	Soil	11	33	0.57	96	0.100	<1	2.07	0.010	0.06	0.2	0.02	2.8	<0.1	<0.05	6	<0.5



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Report Date:

August 08, 2011

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CERTIFICATE OF ANALYSIS

WHI11000709.1

	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 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
1080427	Soil	1.1	28.9	21.8	100	0.2	32.5	13.5	338	3.11	27.1	0.8	2.0	5.1	24	0.3	0.5	0.5	62	0.22	0.023
1080431	Soil	0.9	32.0	13.2	70	<0.1	34.9	11.1	290	3.32	11.1	0.6	2.9	3.8	17	0.2	0.4	0.2	76	0.23	0.021
1080070	Soil	0.8	25.5	19.1	97	<0.1	23.2	10.5	442	3.00	7.3	1.7	2.3	6.6	23	0.2	0.3	0.3	66	0.34	0.091
1080074	Soil	1.1	38.1	29.7	142	0.3	27.8	9.8	515	2.90	7.5	4.0	1.5	5.3	33	0.5	0.4	0.5	57	0.40	0.068
1080075	Soil	0.7	48.2	16.7	120	0.2	41.9	12.3	414	3.67	5.4	2.9	1.7	9.3	34	0.2	0.2	0.3	79	0.46	0.070
1080434	Soil	1.3	26.4	15.9	70	<0.1	30.2	13.3	306	3.43	10.7	0.5	1.9	3.5	21	0.3	0.5	0.3	73	0.20	0.029
1080429	Soil	1.9	24.7	22.0	71	0.2	24.1	9.5	318	3.17	16.1	0.6	0.9	3.1	15	0.5	0.7	0.3	72	0.15	0.031
1080430	Soil	1.8	32.1	14.1	55	0.2	17.9	11.8	1028	2.50	10.2	1.1	1.4	3.0	27	0.2	0.4	0.3	59	0.27	0.031
1080426	Soil	1.6	25.9	15.2	76	0.1	27.1	11.4	518	3.47	15.3	0.6	1.2	3.7	21	0.4	0.7	0.3	76	0.21	0.029
1080428	Soil	1.9	21.0	16.1	101	0.2	24.8	12.2	494	4.10	15.1	0.6	2.4	2.7	24	0.4	0.7	0.3	93	0.22	0.034
1080413	Soil	1.9	24.6	15.0	72	<0.1	27.0	10.8	283	3.67	10.9	0.7	1.5	2.8	14	0.3	0.6	0.3	77	0.19	0.038
1080418	Soil	1.1	31.8	15.5	86	<0.1	38.1	13.9	341	3.39	10.9	0.7	2.2	3.4	16	0.4	0.6	0.2	68	0.21	0.034
1080415	Soil	0.9	22.8	15.6	75	<0.1	27.3	12.1	584	3.17	8.0	1.0	2.2	4.1	19	0.2	0.4	0.3	65	0.25	0.031
1080432	Soil	0.7	12.6	6.6	51	<0.1	8.2	4.9	304	1.54	3.2	0.2	0.6	0.7	12	0.2	0.2	<0.1	43	0.13	0.029
1080433	Soil	0.3	30.9	2.4	18	<0.1	3.9	3.6	453	0.56	1.4	0.2	<0.5	0.4	10	0.2	0.1	<0.1	16	0.09	0.025
1080065	Soil	0.8	36.4	12.1	102	0.1	37.5	16.8	571	3.98	5.8	1.3	1.3	4.2	114	0.4	0.3	0.2	55	0.84	0.185
1080076	Soil	0.9	28.6	28.3	138	<0.1	25.2	10.3	457	3.00	9.1	2.7	2.8	7.2	27	0.4	0.4	0.4	62	0.36	0.072
1080064	Soil	2.6	46.1	19.6	150	0.1	29.5	15.5	1439	3.63	13.9	1.2	1.3	1.8	18	0.8	1.1	0.3	77	0.15	0.065
1080071	Soil	0.9	25.3	18.0	95	0.1	24.0	10.6	456	2.97	6.5	1.5	1.3	6.6	22	0.3	0.3	0.3	65	0.33	0.086
1080093	Soil	0.8	30.0	14.9	73	0.2	21.0	8.8	338	2.47	8.1	2.8	2.5	4.8	26	0.2	0.3	0.3	61	0.33	0.057
1080066	Soil	1.8	28.0	16.6	83	0.1	24.2	11.1	438	3.20	10.7	0.8	2.7	3.4	19	0.4	0.7	0.4	74	0.20	0.042
1080073	Soil	0.9	22.4	19.8	95	0.1	21.7	9.6	378	2.69	7.3	1.8	2.7	6.2	21	0.3	0.4	0.3	61	0.32	0.071
1080069	Soil	1.2	30.9	11.9	102	<0.1	16.3	12.2	538	3.82	6.2	1.8	2.7	10.8	28	0.3	0.3	0.3	97	0.46	0.099
1080068	Soil	1.1	30.5	24.6	97	<0.1	29.5	13.0	464	3.07	9.5	1.5	2.8	6.5	22	0.4	0.4	0.5	67	0.22	0.035
1080067	Soil	1.4	34.4	24.9	110	0.1	25.9	11.2	528	3.42	9.2	2.1	2.4	6.0	28	0.3	0.4	0.8	78	0.28	0.055



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Report Date: August 08, 2011

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CERTIFICATE OF ANALYSIS

WHI11000709.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1080427	Soil	12	54	0.71	92	0.100	2	2.53	0.014	0.06	0.2	0.02	3.7	<0.1	<0.05	7	<0.5	<0.2
1080431	Soil	9	41	0.65	143	0.118	1	2.87	0.013	0.07	0.2	0.02	3.4	<0.1	<0.05	8	<0.5	<0.2
1080070	Soil	39	35	0.72	89	0.141	<1	1.91	0.014	0.23	0.3	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
1080074	Soil	94	40	0.55	130	0.077	1	2.52	0.020	0.14	0.2	0.04	3.9	0.2	<0.05	9	<0.5	<0.2
1080075	Soil	57	68	0.86	135	0.189	1	3.38	0.033	0.52	0.2	0.02	6.2	0.3	<0.05	13	<0.5	<0.2
1080434	Soil	9	34	0.58	193	0.100	2	2.64	0.013	0.07	0.1	<0.01	2.9	<0.1	<0.05	8	<0.5	<0.2
1080429	Soil	10	28	0.44	102	0.094	2	1.87	0.013	0.09	0.2	0.03	2.2	0.1	<0.05	8	<0.5	<0.2
1080430	Soil	31	30	0.45	146	0.076	<1	1.91	0.018	0.09	0.1	0.03	2.8	0.1	<0.05	7	<0.5	<0.2
1080426	Soil	10	34	0.53	141	0.090	<1	2.07	0.015	0.08	0.1	0.01	2.6	<0.1	<0.05	9	<0.5	<0.2
1080428	Soil	8	40	0.51	177	0.087	<1	2.28	0.011	0.07	0.1	0.02	2.6	<0.1	<0.05	10	<0.5	<0.2
1080413	Soil	11	35	0.53	103	0.113	<1	2.12	0.009	0.07	0.2	0.02	2.6	0.1	<0.05	9	<0.5	<0.2
1080418	Soil	11	36	0.62	126	0.104	2	2.50	0.011	0.06	0.2	0.03	3.1	<0.1	<0.05	7	<0.5	<0.2
1080415	Soil	21	38	0.61	143	0.117	1	2.44	0.014	0.07	0.1	0.02	3.7	0.1	<0.05	7	<0.5	<0.2
1080432	Soil	4	11	0.17	98	0.056	<1	0.78	0.019	0.03	<0.1	0.01	0.9	<0.1	<0.05	4	<0.5	<0.2
1080433	Soil	4	4	0.10	62	0.031	<1	0.45	0.029	0.04	<0.1	<0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
1080065	Soil	43	27	1.19	146	0.109	<1	2.46	0.049	0.09	0.2	0.01	3.4	<0.1	<0.05	7	<0.5	<0.2
1080076	Soil	60	39	0.60	122	0.117	<1	2.23	0.014	0.19	0.2	0.02	3.7	0.1	<0.05	9	<0.5	<0.2
1080064	Soil	15	36	0.55	156	0.059	<1	1.97	0.010	0.06	0.1	0.04	2.2	0.1	<0.05	8	<0.5	<0.2
1080071	Soil	37	36	0.74	86	0.150	<1	1.85	0.014	0.25	0.2	0.01	4.0	0.2	<0.05	8	<0.5	<0.2
1080093	Soil	38	30	0.44	161	0.089	1	1.81	0.018	0.11	0.2	0.03	3.6	<0.1	<0.05	7	<0.5	<0.2
1080066	Soil	13	32	0.47	127	0.085	1	2.12	0.012	0.05	0.2	0.04	2.6	0.1	<0.05	8	<0.5	<0.2
1080073	Soil	36	35	0.54	81	0.117	<1	1.79	0.014	0.15	0.2	0.01	3.0	0.1	<0.05	7	<0.5	<0.2
1080069	Soil	54	24	1.24	137	0.309	<1	2.29	0.014	0.59	0.3	0.01	9.2	0.4	<0.05	10	<0.5	<0.2
1080068	Soil	34	40	0.60	88	0.109	2	2.39	0.013	0.08	0.2	0.01	3.0	0.1	<0.05	8	<0.5	<0.2
1080067	Soil	46	42	0.63	131	0.113	<1	2.22	0.014	0.12	0.1	0.02	4.0	0.1	<0.05	9	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000709.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1084662	Soil	0.3	6.6	19.4	44	<0.1	3.1	3.3	296	1.21	2.0	2.7	<0.5	37.1	10	0.1	<0.1	0.4	11	0.14	0.024
REP 1084662	QC	0.3	6.8	19.6	42	<0.1	3.1	3.3	289	1.21	1.9	2.8	<0.5	37.0	10	0.1	<0.1	0.4	11	0.14	0.027
1039539	Soil	0.7	20.9	20.6	78	<0.1	15.9	6.8	478	2.26	6.2	7.1	1.0	35.8	43	0.5	0.3	4.0	35	0.13	0.027
REP 1039539	QC	0.7	21.0	19.8	75	<0.1	14.9	7.0	479	2.18	6.3	7.1	<0.5	35.9	41	0.5	0.2	3.7	36	0.13	0.028
1082203	Soil	1.0	26.1	15.7	61	<0.1	24.2	9.4	407	2.93	9.1	1.7	1.4	7.8	43	0.1	0.4	0.2	67	0.29	0.035
REP 1082203	QC	1.0	25.4	14.8	56	<0.1	23.1	9.2	381	2.73	8.3	1.7	1.5	7.6	40	0.1	0.4	0.2	65	0.27	0.036
1039528	Soil	0.7	26.7	11.6	75	<0.1	28.0	11.9	606	3.43	6.7	2.7	3.0	34.1	45	0.2	0.3	0.2	80	0.43	0.062
REP 1039528	QC	0.8	26.9	11.1	73	<0.1	26.2	11.7	599	3.34	6.1	2.6	0.9	33.3	44	0.2	0.4	0.1	79	0.43	0.062
1084609	Soil	2.1	41.4	39.2	104	0.4	23.2	8.2	370	3.64	32.3	0.9	2.3	2.2	18	0.3	3.4	0.4	75	0.10	0.046
REP 1084609	QC	2.2	40.2	39.8	103	0.3	23.0	7.8	357	3.48	31.5	0.9	3.2	2.3	18	0.2	3.1	0.3	72	0.10	0.041
1082061	Soil	2.0	41.1	41.3	117	0.2	23.9	11.1	562	3.37	12.1	0.9	2.3	0.7	21	0.4	0.9	0.3	80	0.20	0.070
REP 1082061	QC	2.0	39.7	40.4	114	0.2	23.8	11.5	561	3.35	11.4	0.9	4.0	0.8	21	0.5	0.9	0.3	78	0.20	0.070
1080203	Soil	2.9	29.3	43.1	68	1.1	21.5	7.7	268	3.56	18.9	0.7	6.9	1.0	14	0.3	1.1	0.3	88	0.12	0.045
REP 1080203	QC	3.5	30.8	44.8	72	1.1	22.5	8.3	285	3.85	20.0	0.7	6.5	1.1	15	0.4	1.2	0.3	95	0.13	0.051
1080217	Soil	3.1	33.0	6.6	47	<0.1	14.9	6.7	274	2.51	14.4	0.6	1.7	0.3	12	0.1	0.6	0.2	67	0.10	0.067
REP 1080217	QC	3.0	33.4	6.6	48	<0.1	15.5	6.7	277	2.46	14.0	0.6	1.3	0.3	12	0.1	0.6	0.2	67	0.09	0.063
1082146	Soil	0.6	26.8	13.3	83	<0.1	20.8	8.0	262	2.28	7.4	1.0	4.5	4.5	17	0.2	0.3	0.2	53	0.27	0.045
REP 1082146	QC	0.6	27.5	13.5	84	<0.1	20.9	8.2	264	2.34	7.2	1.1	1.9	4.6	17	0.2	0.3	0.2	53	0.27	0.045
1082279	Soil	1.6	40.9	25.8	115	0.6	35.1	12.3	636	3.35	37.0	1.4	5.1	2.6	20	1.0	0.5	0.4	78	0.14	0.060
REP 1082279	QC	1.6	39.7	25.7	112	0.6	34.2	11.9	632	3.28	36.8	1.4	6.4	2.6	21	1.2	0.4	0.3	77	0.14	0.061
1082258	Soil	0.8	31.7	16.9	77	<0.1	31.2	11.7	508	3.09	10.2	0.9	4.2	3.8	14	0.3	0.4	0.2	63	0.19	0.036
REP 1082258	QC	0.9	29.4	16.2	72	<0.1	28.7	11.3	486	2.94	9.8	0.9	2.6	3.6	14	0.3	0.4	0.2	61	0.19	0.033
1082270	Soil	1.7	33.2	22.4	121	0.1	27.6	11.1	665	3.37	11.5	0.9	6.1	1.8	13	0.5	0.8	0.2	66	0.13	0.042
REP 1082270	QC	1.7	31.4	22.3	118	0.2	26.7	11.2	656	3.30	11.6	0.9	1.5	2.0	12	0.5	0.6	0.3	66	0.13	0.041
1080409	Soil	0.9	58.7	45.5	285	0.1	36.8	13.9	708	3.87	8.6	2.7	5.2	8.5	28	0.7	0.5	1.2	75	0.53	0.075
REP 1080409	QC	0.8	57.3	45.8	281	0.2	36.5	13.4	710	3.83	8.4	2.7	1.6	8.7	28	0.7	0.5	1.3	73	0.50	0.073
1080427	Soil	1.1	28.9	21.8	100	0.2	32.5	13.5	338	3.11	27.1	0.8	2.0	5.1	24	0.3	0.5	0.5	62	0.22	0.023
REP 1080427	QC	1.3	29.9	24.0	109	0.2	34.4	13.7	353	3.20	27.1	0.9	24.3	5.5	26	0.4	0.5	0.5	68	0.22	0.024



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Part 2

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
		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																		
1084662	Soil	52	6	0.19	24	0.003	<1	1.43	0.011	0.05	<0.1	<0.01	0.6	<0.1	<0.05	6	<0.5	<0.2
REP 1084662	QC	52	6	0.19	25	0.003	<1	1.48	0.007	0.05	<0.1	<0.01	0.5	<0.1	<0.05	7	<0.5	<0.2
1039539	Soil	13	19	0.27	85	0.062	<1	1.67	0.011	0.09	0.4	<0.01	2.0	0.2	<0.05	6	0.5	<0.2
REP 1039539	QC	13	18	0.28	82	0.064	<1	1.66	0.012	0.09	0.4	<0.01	2.1	0.2	<0.05	6	<0.5	<0.2
1082203	Soil	18	31	0.42	125	0.080	<1	2.01	0.014	0.08	0.2	0.01	2.6	<0.1	<0.05	6	0.5	<0.2
REP 1082203	QC	18	29	0.42	122	0.081	1	1.96	0.014	0.07	0.2	0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
1039528	Soil	38	39	0.81	180	0.136	<1	2.37	0.020	0.12	0.1	0.01	5.2	0.2	<0.05	7	<0.5	<0.2
REP 1039528	QC	39	40	0.74	180	0.133	<1	2.33	0.016	0.12	0.2	<0.01	5.0	0.2	<0.05	7	<0.5	<0.2
1084609	Soil	10	35	0.50	119	0.099	1	1.64	0.011	0.18	0.1	0.06	2.1	0.2	0.07	7	<0.5	<0.2
REP 1084609	QC	10	35	0.50	120	0.096	1	1.61	0.010	0.16	0.1	0.05	2.2	0.2	0.05	7	<0.5	<0.2
1082061	Soil	15	33	0.49	115	0.054	2	1.60	0.014	0.05	<0.1	0.06	1.6	0.1	<0.05	8	<0.5	<0.2
REP 1082061	QC	15	33	0.48	115	0.052	2	1.62	0.012	0.05	0.1	0.06	1.4	0.1	<0.05	8	<0.5	<0.2
1080203	Soil	9	37	0.43	97	0.070	1	1.71	0.008	0.05	0.1	0.05	2.2	0.1	<0.05	8	<0.5	<0.2
REP 1080203	QC	10	40	0.45	101	0.080	1	1.81	0.008	0.06	0.1	0.05	2.4	0.1	<0.05	9	<0.5	<0.2
1080217	Soil	7	21	0.21	59	0.045	1	0.85	0.012	0.04	0.1	0.03	1.0	<0.1	0.05	5	<0.5	<0.2
REP 1080217	QC	7	20	0.20	58	0.040	<1	0.87	0.011	0.04	<0.1	0.04	0.9	<0.1	0.06	5	<0.5	<0.2
1082146	Soil	22	34	0.50	103	0.094	1	1.72	0.012	0.07	0.2	0.01	3.6	0.1	<0.05	6	<0.5	<0.2
REP 1082146	QC	22	34	0.50	100	0.092	<1	1.71	0.013	0.07	0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
1082279	Soil	19	47	0.62	189	0.072	2	2.23	0.009	0.06	0.2	0.05	2.6	<0.1	<0.05	7	<0.5	<0.2
REP 1082279	QC	19	46	0.60	184	0.071	1	2.19	0.009	0.06	0.2	0.06	2.5	<0.1	<0.05	7	<0.5	<0.2
1082258	Soil	14	39	0.66	124	0.092	2	2.28	0.013	0.07	0.2	0.03	3.2	<0.1	<0.05	7	<0.5	<0.2
REP 1082258	QC	14	37	0.63	120	0.091	3	2.20	0.013	0.07	0.2	0.04	3.2	<0.1	<0.05	6	<0.5	<0.2
1082270	Soil	16	35	0.55	97	0.059	<1	2.09	0.009	0.04	0.1	0.05	2.4	<0.1	<0.05	7	<0.5	<0.2
REP 1082270	QC	16	35	0.54	97	0.054	<1	1.98	0.009	0.04	0.2	0.04	2.4	0.1	<0.05	7	<0.5	<0.2
1080409	Soil	49	57	1.10	123	0.174	<1	2.76	0.013	0.52	0.3	0.02	7.4	0.5	<0.05	11	<0.5	<0.2
REP 1080409	QC	49	56	1.07	123	0.178	<1	2.74	0.013	0.50	0.3	0.01	7.4	0.5	<0.05	12	<0.5	<0.2
1080427	Soil	12	54	0.71	92	0.100	2	2.53	0.014	0.06	0.2	0.02	3.7	<0.1	<0.05	7	<0.5	<0.2
REP 1080427	QC	13	57	0.73	101	0.103	<1	2.64	0.015	0.06	0.2	0.02	3.9	<0.1	<0.05	7	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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		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
1080071	Soil	0.9	25.3	18.0	95	0.1	24.0	10.6	456	2.97	6.5	1.5	1.3	6.6	22	0.3	0.3	0.3	65	0.33	0.086
REP 1080071	QC	0.9	24.6	18.8	95	<0.1	24.1	10.5	469	3.03	6.8	1.6	2.3	7.0	23	0.2	0.3	0.3	66	0.36	0.089
Reference Materials																					
STD DS8	Standard	12.1	99.1	120.1	295	1.7	34.2	7.1	592	2.40	25.4	2.7	106.9	7.0	66	2.3	5.8	6.7	38	0.68	0.080
STD DS8	Standard	12.5	98.3	118.1	287	1.6	34.9	7.1	570	2.26	25.5	2.8	96.3	6.8	66	2.0	5.7	6.6	38	0.67	0.079
STD DS8	Standard	12.4	105.3	125.7	310	1.8	34.5	7.3	591	2.40	26.4	2.7	111.1	6.9	58	2.1	5.1	5.7	40	0.68	0.078
STD DS8	Standard	13.1	103.7	128.4	309	1.8	34.1	7.0	600	2.40	26.5	2.8	120.1	7.2	59	2.6	4.7	5.7	40	0.69	0.078
STD DS8	Standard	12.1	100.2	118.5	299	1.7	34.7	7.2	565	2.24	25.5	2.5	107.1	6.0	58	2.3	5.2	6.2	39	0.64	0.078
STD DS8	Standard	11.4	96.6	115.2	281	1.6	34.1	6.8	533	2.17	23.1	2.4	105.4	5.8	56	2.1	5.1	5.9	36	0.61	0.075
STD DS8	Standard	12.9	110.3	124.3	317	1.8	38.3	7.6	597	2.43	27.9	2.6	114.3	6.6	62	2.2	5.4	6.4	42	0.66	0.083
STD DS8	Standard	13.8	111.2	131.1	321	1.7	38.2	7.8	607	2.51	27.8	2.7	106.0	6.9	62	2.3	5.3	6.7	42	0.68	0.083
STD DS8	Standard	12.2	105.8	131.2	314	1.9	36.2	7.4	624	2.56	27.2	2.9	139.0	7.1	72	2.0	5.7	7.1	42	0.70	0.081
STD DS8	Standard	12.4	97.6	126.5	298	1.8	32.5	6.5	568	2.25	25.3	2.9	109.2	7.1	69	2.3	5.4	7.0	38	0.69	0.078
STD DS8	Standard	13.4	109.4	107.4	292	1.8	37.5	7.5	589	2.38	26.1	2.5	107.1	6.2	59	2.2	4.9	6.1	43	0.68	0.074
STD DS8	Standard	13.1	108.9	102.0	301	1.8	38.2	7.7	606	2.47	27.1	2.5	125.0	5.9	67	2.5	5.1	6.2	44	0.70	0.083
STD DS8	Standard	13.5	110.9	107.7	296	1.7	37.2	7.7	614	2.44	27.4	2.4	122.6	6.1	66	2.3	4.8	6.0	44	0.72	0.078
STD DS8	Standard	13.3	114.0	123.0	315	1.9	39.3	7.4	616	2.53	25.8	2.7	109.4	7.0	65	2.6	5.5	6.0	49	0.70	0.077
STD DS8	Standard	12.9	99.2	130.9	305	1.9	35.7	7.0	576	2.45	25.3	3.0	112.4	6.8	56	2.3	4.8	5.8	38	0.65	0.081
STD DS8	Standard	13.9	112.6	122.2	327	1.9	39.7	7.8	638	2.58	27.7	2.9	123.6	7.0	74	2.4	6.0	7.0	43	0.72	0.083
STD DS8	Standard	13.2	109.3	115.5	313	1.8	37.3	7.3	590	2.40	26.2	2.6	107.3	6.4	67	2.2	5.8	6.5	41	0.67	0.079
STD DS8	Standard	11.9	108.3	128.3	309	1.9	37.4	7.4	578	2.38	25.9	2.7	116.1	6.3	50	2.4	4.5	5.1	40	0.63	0.076
STD DS8	Standard	12.0	107.4	118.3	301	1.7	37.9	7.3	577	2.33	25.0	2.6	106.3	6.0	57	2.1	5.2	6.0	40	0.64	0.076
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	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
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

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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
1080071	Soil	37	36	0.74	86	0.150	<1	1.85	0.014	0.25	0.2	0.01	4.0	0.2	<0.05	8	<0.5	<0.2
REP 1080071	QC	37	36	0.77	87	0.154	<1	1.98	0.014	0.26	0.2	0.01	4.3	0.2	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	110	0.58	262	0.112	2	0.89	0.091	0.39	2.9	0.17	1.9	5.2	0.13	4	4.8	4.5
STD DS8	Standard	14	105	0.58	274	0.111	2	0.89	0.088	0.40	3.2	0.18	1.9	5.2	0.12	4	4.7	4.9
STD DS8	Standard	14	108	0.58	274	0.100	3	0.86	0.082	0.42	3.0	0.22	2.3	5.4	0.15	5	5.7	5.5
STD DS8	Standard	14	110	0.56	277	0.106	3	0.87	0.085	0.42	2.8	0.21	2.4	5.3	0.14	5	5.2	5.1
STD DS8	Standard	13	111	0.59	263	0.104	2	0.85	0.081	0.38	2.9	0.19	1.9	5.3	0.17	4	5.3	4.7
STD DS8	Standard	13	102	0.55	259	0.097	2	0.78	0.074	0.39	2.6	0.19	1.8	5.0	0.15	4	5.4	4.7
STD DS8	Standard	14	111	0.60	285	0.108	3	0.88	0.084	0.40	3.1	0.21	2.1	5.4	0.15	5	5.2	5.6
STD DS8	Standard	14	117	0.64	278	0.109	2	0.89	0.089	0.41	3.0	0.21	2.0	5.4	0.17	5	4.9	5.2
STD DS8	Standard	15	115	0.63	285	0.114	2	0.94	0.105	0.44	2.9	0.20	2.2	5.4	0.18	5	5.0	5.4
STD DS8	Standard	14	109	0.58	278	0.109	2	0.90	0.097	0.43	2.9	0.20	2.1	5.3	0.14	5	5.8	4.6
STD DS8	Standard	14	115	0.58	275	0.112	2	0.89	0.091	0.41	2.9	0.21	2.4	5.5	0.16	4	5.2	5.1
STD DS8	Standard	15	118	0.63	299	0.116	3	1.00	0.118	0.45	3.2	0.19	2.2	5.5	0.17	5	5.0	5.4
STD DS8	Standard	15	118	0.61	296	0.116	3	0.97	0.117	0.46	2.8	0.21	2.6	5.4	0.16	5	5.2	5.1
STD DS8	Standard	15	115	0.55	278	0.122	2	0.92	0.082	0.42	3.0	0.22	2.1	5.5	0.13	5	3.9	4.7
STD DS8	Standard	12	108	0.60	273	0.102	2	0.89	0.095	0.42	3.3	0.22	2.1	5.7	0.16	5	5.3	5.3
STD DS8	Standard	16	120	0.64	292	0.132	3	0.95	0.102	0.45	3.1	0.21	2.5	5.7	0.14	5	6.0	5.4
STD DS8	Standard	14	112	0.59	275	0.122	3	0.87	0.084	0.41	2.9	0.20	2.1	5.3	0.13	5	6.3	4.9
STD DS8	Standard	11	113	0.52	257	0.103	3	0.83	0.080	0.40	2.8	0.20	1.9	5.3	0.14	4	5.3	4.7
STD DS8	Standard	12	110	0.58	248	0.106	<1	0.84	0.068	0.39	2.7	0.18	2.0	5.0	0.15	4	5.1	4.7
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	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	<0.2
BLK	Blank	<1	7	<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



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Part 1

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project:

PLU

Report Date:

August 08, 2011

Page:

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Part 2

QUALITY CONTROL REPORT

WHI11000709.1

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



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Submitted By: Mike Skead
Receiving Lab: Canada-Whitehorse
Received: July 15, 2011
Report Date: August 07, 2011
Page: 1 of 10

CERTIFICATE OF ANALYSIS

WHI11000710.1

CLIENT JOB INFORMATION

Project: PLU
Shipment ID:
P.O. Number
Number of Samples: 270

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	270	Dry at 60C			VAN
SS80	270	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	270	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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Project:

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August 07, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000710.1

	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
1080085	Soil	1.4	23.8	17.1	86	<0.1	23.8	11.1	345	3.06	9.6	0.9	3.8	4.3	18	0.4	0.5	0.3	65	0.19	0.025
1080086	Soil	0.7	20.2	10.5	53	<0.1	14.9	6.7	189	2.06	6.6	0.6	2.2	2.5	15	0.2	0.3	0.2	45	0.16	0.035
1080080	Soil	0.5	17.3	5.7	29	0.1	7.1	5.2	296	1.33	2.9	2.3	1.2	1.6	14	<0.1	0.2	0.2	35	0.14	0.042
1080087	Soil	1.6	22.5	15.2	78	<0.1	20.2	8.3	248	3.27	10.9	0.6	3.2	3.2	19	0.3	0.7	0.3	71	0.19	0.028
1080079	Soil	1.3	20.0	18.3	92	0.2	18.2	8.3	349	2.66	8.3	0.8	8.5	3.1	17	0.5	0.5	0.2	55	0.19	0.042
1080094	Soil	2.2	19.1	14.4	73	0.1	17.3	8.7	303	2.94	10.4	0.5	3.0	2.5	16	0.3	0.6	0.3	72	0.14	0.026
1080097	Soil	1.0	24.0	10.1	56	<0.1	18.3	7.6	231	2.45	8.8	0.4	1.9	2.1	24	0.2	0.5	0.2	57	0.23	0.028
1080098	Soil	0.7	9.1	3.9	21	<0.1	5.7	3.3	107	1.02	3.2	0.2	0.9	0.6	13	0.2	0.3	0.1	31	0.11	0.025
1080092	Soil	0.8	26.4	13.4	67	0.2	17.1	7.9	331	2.22	7.4	2.7	2.7	3.9	24	0.2	0.3	0.3	52	0.31	0.058
1080091	Soil	0.9	20.5	10.1	56	0.1	14.7	7.3	255	2.22	7.5	0.6	0.8	2.3	20	0.2	0.3	0.2	52	0.22	0.039
1080088	Soil	1.1	21.5	10.5	53	0.1	13.2	6.6	313	2.16	6.3	0.6	2.0	1.5	21	0.5	0.4	0.2	50	0.22	0.035
1080095	Soil	1.5	29.1	16.7	75	0.1	23.8	9.3	326	3.13	11.8	1.1	2.2	4.8	24	0.2	0.5	0.3	72	0.25	0.029
1080089	Soil	1.4	23.1	15.8	73	<0.1	24.5	10.4	287	3.13	10.4	0.6	2.0	4.2	16	0.4	0.6	0.2	71	0.17	0.026
1080090	Soil	0.8	10.5	7.1	38	0.1	8.1	5.1	195	1.57	3.4	0.4	<0.5	1.3	14	0.2	0.3	0.1	41	0.14	0.032
1080096	Soil	1.1	29.4	14.8	71	<0.1	32.6	11.7	263	3.52	15.0	0.6	4.3	3.1	19	0.2	0.7	0.2	77	0.23	0.030
1082181	Soil	0.6	24.2	17.7	81	0.3	15.6	7.7	376	2.55	7.6	4.2	3.7	18.1	35	<0.1	0.2	0.7	44	0.39	0.061
1082159	Soil	0.6	12.8	15.3	86	<0.1	11.6	8.6	757	2.35	4.9	1.0	1.2	17.9	67	0.3	0.2	0.3	43	0.27	0.051
1082160	Soil	0.7	18.7	15.2	72	<0.1	17.1	10.8	614	2.71	5.4	1.6	2.6	22.7	97	0.3	0.2	0.4	47	0.32	0.064
1082178	Soil	0.5	16.6	16.1	76	0.1	13.7	7.7	323	2.26	4.9	3.3	2.8	11.8	38	0.1	0.2	0.6	41	0.46	0.052
1082157	Soil	1.0	19.4	17.0	83	<0.1	18.2	11.3	750	3.09	8.9	1.0	1.2	10.0	31	0.3	0.4	0.4	63	0.26	0.037
1080083	Soil	1.2	27.7	28.5	117	<0.1	25.5	10.5	385	3.31	11.8	2.3	1.4	7.3	28	0.2	0.4	0.4	67	0.24	0.029
1082177	Soil	0.8	20.4	16.4	72	0.2	15.0	8.2	359	2.60	7.7	6.1	2.6	15.1	34	0.1	0.2	0.7	45	0.37	0.061
1082151	Soil	0.4	10.5	26.1	87	<0.1	9.7	10.3	417	3.10	3.4	2.3	1.5	29.9	82	0.1	0.2	0.4	31	0.27	0.043
1082176	Soil	0.5	17.9	11.1	63	0.1	9.3	6.1	480	1.60	2.6	2.8	2.0	5.0	36	0.2	0.1	0.5	37	0.39	0.062
1082158	Soil	0.2	6.0	1.4	14	<0.1	2.4	2.1	60	0.82	0.7	0.4	<0.5	0.2	10	<0.1	<0.1	<0.1	27	0.10	0.028
1080077	Soil	1.1	27.3	23.8	111	0.1	17.5	8.3	348	2.87	9.3	2.6	2.7	5.2	25	0.7	0.4	0.4	61	0.25	0.050
1080078	Soil	0.2	17.1	20.3	111	0.1	7.9	9.6	870	3.77	2.5	1.5	1.5	11.1	55	0.5	0.1	0.3	71	0.67	0.101
1080081	Soil	0.7	17.8	14.9	98	<0.1	16.9	7.3	315	2.29	5.6	1.7	0.8	5.4	24	0.3	0.3	0.3	45	0.33	0.059
1080082	Soil	0.8	20.1	15.0	81	<0.1	18.8	7.9	296	2.38	7.2	1.3	2.7	4.9	18	0.5	0.4	0.2	48	0.22	0.037
1080084	Soil	0.7	20.3	12.8	71	<0.1	14.5	8.5	409	2.25	5.4	1.6	2.3	8.3	32	0.2	0.2	0.4	47	0.35	0.033



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000710.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1080085	Soil	20	32	0.51	121	0.079	<1	2.14	0.009	0.10	0.2	0.02	2.6	<0.1	<0.05	8	0.7	<0.2
1080086	Soil	12	18	0.31	77	0.068	2	1.38	0.019	0.08	0.2	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
1080080	Soil	68	12	0.14	74	0.052	1	0.92	0.022	0.04	0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1080087	Soil	11	30	0.46	91	0.085	3	1.90	0.010	0.09	0.2	<0.01	2.4	<0.1	<0.05	8	<0.5	<0.2
1080079	Soil	15	21	0.38	99	0.077	1	1.50	0.014	0.07	0.2	0.03	2.0	<0.1	<0.05	7	<0.5	<0.2
1080094	Soil	8	29	0.38	162	0.066	1	1.92	0.011	0.06	0.2	0.01	2.3	<0.1	<0.05	8	<0.5	<0.2
1080097	Soil	8	24	0.37	172	0.072	2	1.61	0.015	0.07	0.2	0.01	1.8	<0.1	<0.05	6	<0.5	<0.2
1080098	Soil	4	8	0.14	66	0.039	<1	0.62	0.019	0.05	<0.1	0.01	0.8	<0.1	<0.05	3	<0.5	<0.2
1080092	Soil	36	27	0.38	140	0.080	<1	1.59	0.019	0.11	0.2	0.02	3.5	<0.1	<0.05	6	0.5	<0.2
1080091	Soil	13	21	0.34	117	0.073	2	1.46	0.020	0.08	0.2	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
1080088	Soil	15	19	0.31	113	0.065	1	1.26	0.019	0.08	0.2	0.02	1.7	<0.1	<0.05	6	<0.5	<0.2
1080095	Soil	27	39	0.55	165	0.083	2	2.37	0.015	0.08	0.2	<0.01	3.2	<0.1	<0.05	8	<0.5	<0.2
1080089	Soil	10	31	0.48	117	0.104	2	2.15	0.011	0.10	0.2	0.02	2.7	<0.1	<0.05	8	1.0	<0.2
1080090	Soil	8	12	0.18	80	0.053	1	0.88	0.019	0.06	0.1	0.02	1.1	<0.1	<0.05	5	<0.5	<0.2
1080096	Soil	9	36	0.55	175	0.094	2	2.64	0.011	0.12	0.2	0.01	3.2	<0.1	<0.05	8	<0.5	<0.2
1082181	Soil	23	29	0.49	128	0.056	<1	1.75	0.017	0.11	0.3	0.03	3.8	0.1	<0.05	7	<0.5	<0.2
1082159	Soil	21	21	0.49	75	0.038	<1	1.46	0.010	0.08	0.1	0.02	2.2	<0.1	<0.05	7	<0.5	<0.2
1082160	Soil	22	41	0.70	115	0.036	<1	2.26	0.011	0.09	0.3	0.02	3.0	0.1	<0.05	7	<0.5	<0.2
1082178	Soil	15	26	0.48	105	0.056	1	1.49	0.014	0.07	0.2	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
1082157	Soil	14	31	0.60	103	0.083	1	1.70	0.010	0.09	0.3	<0.01	2.8	0.1	<0.05	8	0.9	<0.2
1080083	Soil	73	34	0.53	121	0.093	<1	2.59	0.011	0.11	0.2	0.02	3.2	0.1	<0.05	10	0.9	<0.2
1082177	Soil	28	29	0.48	117	0.053	<1	1.64	0.013	0.08	0.3	0.02	3.5	0.1	<0.05	7	0.5	<0.2
1082151	Soil	33	14	0.42	90	0.015	<1	2.58	0.009	0.10	0.1	<0.01	2.2	0.1	<0.05	9	0.6	<0.2
1082176	Soil	13	17	0.28	83	0.043	1	0.99	0.023	0.06	0.2	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
1082158	Soil	4	4	0.06	26	0.035	<1	0.28	0.022	0.02	<0.1	0.01	0.4	<0.1	<0.05	2	1.0	<0.2
1080077	Soil	72	29	0.43	90	0.085	1	1.92	0.012	0.12	0.3	0.03	2.5	0.1	<0.05	10	1.1	<0.2
1080078	Soil	59	14	1.42	86	0.216	<1	2.63	0.010	0.66	0.2	<0.01	8.5	0.6	<0.05	12	<0.5	<0.2
1080081	Soil	40	24	0.42	81	0.085	1	1.47	0.013	0.12	0.2	0.01	2.5	<0.1	<0.05	6	0.5	<0.2
1080082	Soil	29	24	0.39	83	0.087	<1	1.62	0.012	0.09	0.2	0.01	2.2	<0.1	<0.05	7	<0.5	<0.2
1080084	Soil	13	26	0.46	104	0.071	<1	1.38	0.011	0.08	0.2	0.01	2.4	<0.1	<0.05	6	0.8	<0.2



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Project:

PLU

Report Date:

August 07, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000710.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1082180	Soil																							
1082166	Soil																							
1082167	Soil																							
1082168	Soil																							
1082171	Soil																							
1082161	Soil																							
1082162	Soil																							
1082182	Soil																							
1082155	Soil																							
1082153	Soil																							
1082156	Soil																							
1082152	Soil																							
1082179	Soil																							
1082154	Soil																							
1082175	Soil																							
1082114	Soil																							
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1082119	Soil																							
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1082165	Soil																							



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Vancouver BC V6C 1H2 Canada

Project:

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Part 2

CERTIFICATE OF ANALYSIS

WHI11000710.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1082180	Soil	59	22	0.34	76	0.072	1	1.33	0.015	0.10	0.2	0.02	2.4	<0.1	<0.05	7	0.9	<0.2
1082166	Soil	18	26	0.48	81	0.070	1	1.48	0.012	0.07	0.2	0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
1082167	Soil	17	26	0.47	78	0.067	<1	1.44	0.011	0.07	0.2	<0.01	2.2	<0.1	<0.05	6	0.6	<0.2
1082168	Soil	37	2	0.05	28	0.027	<1	0.25	0.022	0.02	<0.1	0.02	0.6	<0.1	<0.05	2	1.2	<0.2
1082171	Soil	14	22	0.36	88	0.042	2	1.20	0.011	0.05	0.2	0.02	2.1	<0.1	<0.05	5	0.8	<0.2
1082161	Soil	12	25	0.38	66	0.068	1	1.19	0.014	0.07	0.2	0.01	1.9	<0.1	<0.05	7	0.6	<0.2
1082162	Soil	12	14	0.18	49	0.045	2	0.68	0.017	0.04	0.1	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
1082182	Soil	17	25	0.44	117	0.049	1	1.33	0.017	0.09	0.3	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
1082155	Soil	9	40	0.46	112	0.077	2	2.88	0.009	0.06	0.2	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
1082153	Soil	6	18	0.34	66	0.081	1	0.98	0.008	0.11	0.2	0.01	1.5	0.2	<0.05	8	<0.5	<0.2
1082156	Soil	21	35	0.66	120	0.066	1	2.05	0.011	0.08	0.2	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
1082152	Soil	22	26	0.55	91	0.036	<1	2.49	0.009	0.10	0.1	<0.01	2.6	0.1	<0.05	8	<0.5	<0.2
1082179	Soil	28	34	0.56	137	0.061	2	1.97	0.013	0.11	0.3	0.05	3.7	0.1	<0.05	8	<0.5	<0.2
1082154	Soil	6	13	0.11	59	0.058	<1	0.84	0.012	0.03	<0.1	0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
1082175	Soil	17	20	0.36	98	0.038	2	1.06	0.015	0.08	0.3	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1082114	Soil	8	55	0.56	102	0.073	2	2.68	0.016	0.06	0.4	0.04	2.9	<0.1	0.05	5	<0.5	<0.2
1082118	Soil	10	47	0.78	133	0.106	2	2.55	0.014	0.11	0.3	0.03	4.0	0.1	<0.05	7	<0.5	<0.2
1082116	Soil	10	43	0.57	105	0.082	2	2.52	0.011	0.07	0.2	0.05	3.1	0.1	<0.05	8	<0.5	<0.2
1082119	Soil	11	51	0.85	114	0.097	2	2.05	0.018	0.14	0.5	0.03	4.4	0.2	0.06	7	0.6	<0.2
1082117	Soil	10	68	1.04	131	0.119	1	2.44	0.013	0.09	0.8	0.03	4.0	0.1	<0.05	7	<0.5	<0.2
1082174	Soil	14	17	0.28	100	0.032	2	0.99	0.020	0.06	0.2	0.03	1.3	<0.1	0.08	4	<0.5	<0.2
1082173	Soil	10	25	0.45	106	0.060	<1	1.58	0.013	0.08	0.2	0.01	2.2	<0.1	<0.05	7	<0.5	<0.2
1082163	Soil	12	20	0.31	64	0.060	<1	1.07	0.016	0.06	0.2	0.02	1.4	<0.1	<0.05	6	<0.5	<0.2
1082115	Soil	7	73	0.76	116	0.095	2	2.08	0.014	0.06	0.2	0.03	2.7	0.1	0.05	8	<0.5	<0.2
1082113	Soil	7	52	0.63	81	0.078	2	2.96	0.014	0.06	0.2	0.04	2.9	<0.1	<0.05	6	<0.5	<0.2
1082172	Soil	43	31	0.44	167	0.040	1	2.32	0.017	0.11	0.3	0.09	4.3	0.1	0.07	7	<0.5	<0.2
1082170	Soil	22	12	0.12	117	0.030	2	0.59	0.021	0.03	<0.1	0.04	1.2	<0.1	0.09	3	<0.5	<0.2
1082169	Soil	39	13	0.09	115	0.024	2	0.71	0.023	0.02	0.1	0.05	1.6	<0.1	0.12	3	<0.5	<0.2
1082164	Soil	18	27	0.41	108	0.061	1	1.66	0.018	0.08	0.2	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
1082165	Soil	10	23	0.37	91	0.063	2	1.51	0.024	0.06	0.2	0.02	1.8	<0.1	<0.05	7	<0.5	<0.2



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Part 1

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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
1082126	Soil	4.2	43.8	12.8	75	0.7	34.3	14.6	349	4.20	41.6	0.7	2.8	3.6	24	0.5	0.7	0.3	87	0.23	0.059
1082128	Soil	3.4	50.8	17.1	62	0.1	39.2	15.1	310	3.28	45.5	0.6	5.7	3.3	18	0.3	0.7	0.2	76	0.21	0.068
1082129	Soil	4.2	49.1	19.5	68	0.1	37.4	15.0	379	3.73	44.0	0.5	3.8	3.3	17	0.3	0.7	0.3	97	0.19	0.044
1082127	Soil	2.8	55.4	10.7	55	0.3	48.0	17.5	344	3.44	27.4	0.7	3.1	4.1	17	0.4	0.5	0.2	73	0.19	0.057
1082101	Soil	2.3	41.8	26.0	103	0.2	22.5	10.0	433	3.47	18.4	0.7	4.3	0.7	16	0.4	0.8	0.3	81	0.11	0.064
1082125	Soil	2.6	41.2	10.3	60	0.1	49.6	14.4	413	2.82	47.6	0.6	6.3	3.3	20	0.3	0.9	0.1	69	0.28	0.064
1082132	Soil	6.8	40.3	16.9	49	0.6	18.8	9.9	300	2.73	90.1	0.7	15.0	3.3	17	0.4	0.6	0.2	68	0.16	0.039
1082133	Soil	6.2	46.3	14.7	50	0.3	16.7	9.1	386	3.33	71.5	0.6	7.3	2.5	19	0.3	0.8	0.3	87	0.19	0.046
1082131	Soil	9.0	44.9	54.1	71	2.3	34.9	11.3	363	4.01	79.0	0.6	14.5	3.3	17	0.5	1.0	0.2	90	0.17	0.046
1082130	Soil	4.5	50.9	25.2	58	0.5	27.6	10.6	296	3.62	59.5	0.7	5.5	3.2	17	0.5	0.7	0.2	84	0.16	0.062
1082121	Soil	1.3	42.3	14.7	78	0.3	65.1	18.0	408	3.19	30.1	0.6	8.9	3.3	21	0.5	0.7	0.2	74	0.27	0.041
1082120	Soil	4.3	40.7	10.3	80	0.2	149.7	20.8	863	4.02	51.7	0.5	5.3	3.2	21	0.3	1.8	0.2	102	0.27	0.040
1082122	Soil	3.0	46.1	22.9	72	0.3	98.3	16.2	279	3.77	26.1	0.5	8.4	2.7	15	0.3	2.9	0.2	79	0.20	0.045
1082124	Soil	3.0	27.6	14.1	72	0.2	30.1	11.5	350	4.30	34.3	0.5	5.3	2.4	14	0.3	1.1	0.3	100	0.14	0.043
1082123	Soil	1.7	34.0	12.5	63	0.4	48.7	15.4	314	3.30	27.6	0.5	11.5	2.8	19	0.3	1.2	0.2	75	0.23	0.035
1082112	Soil	0.7	48.7	9.5	56	<0.1	32.9	14.5	436	2.63	18.6	0.5	7.3	2.4	17	0.4	0.4	0.2	61	0.15	0.040
1086965	Soil	2.0	23.9	12.8	81	<0.1	22.5	10.1	452	3.84	10.7	0.7	0.9	2.7	21	0.3	0.8	0.3	83	0.20	0.043
1086966	Soil	0.9	19.9	17.5	58	<0.1	22.5	10.8	353	2.84	6.9	0.7	2.2	3.4	16	0.2	0.4	0.2	68	0.23	0.040
1086967	Soil	0.8	19.6	17.9	60	<0.1	22.7	11.2	355	2.88	6.7	0.7	2.0	3.6	17	0.2	0.4	0.2	70	0.23	0.041
1086968	Soil	1.9	26.6	13.4	75	0.2	24.3	10.8	400	3.68	12.4	0.6	2.2	2.1	13	0.3	0.7	0.3	84	0.14	0.036
1082107	Soil	3.3	47.7	15.2	131	0.2	30.9	14.4	679	4.03	41.0	0.8	2.2	1.0	15	0.7	1.3	0.3	96	0.10	0.053
1082108	Soil	1.9	40.4	13.7	117	0.1	31.5	16.8	774	3.64	24.2	1.1	2.9	1.4	15	0.7	0.9	0.2	76	0.10	0.064
1082109	Soil	1.2	53.3	16.4	148	0.2	43.9	18.7	937	3.56	89.8	1.5	17.3	4.1	19	0.5	0.8	0.2	74	0.16	0.047
1082110	Soil	1.6	51.7	19.7	91	0.2	41.1	15.5	584	3.71	86.5	0.8	9.1	1.8	18	0.4	0.9	0.5	82	0.25	0.089
1082111	Soil	0.9	37.1	18.5	71	<0.1	37.5	13.8	470	2.87	24.7	0.6	3.6	2.6	15	0.3	0.6	0.2	67	0.18	0.039
1082105	Soil	1.5	44.7	9.7	88	0.1	32.3	18.3	684	4.51	30.6	0.7	43.2	1.5	15	0.3	0.8	0.2	101	0.14	0.055
1082103	Soil	2.8	52.8	20.8	74	0.4	36.3	18.8	803	4.32	53.0	1.2	5.8	1.7	20	0.3	0.8	0.3	76	0.14	0.113
1082102	Soil	1.1	38.8	11.5	76	0.1	30.3	17.6	606	3.62	16.1	0.6	8.7	2.4	18	0.3	0.5	0.3	73	0.19	0.052
1082104	Soil	2.8	33.9	12.6	82	<0.1	27.1	10.3	433	4.57	22.7	0.6	2.2	1.5	15	0.3	1.1	0.3	98	0.13	0.049
1082106	Soil	2.2	35.3	11.0	99	<0.1	29.6	12.3	548	3.72	18.7	0.7	4.2	1.3	16	0.4	0.9	0.2	84	0.13	0.045



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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
1082126	Soil	10	49	0.61	127	0.108	2	3.24	0.015	0.08	2.9	0.05	3.6	0.1	<0.05	9	<0.5	<0.2
1082128	Soil	10	47	0.62	109	0.116	2	3.01	0.016	0.08	2.5	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
1082129	Soil	9	48	0.75	119	0.135	1	2.30	0.015	0.11	1.3	0.02	3.5	0.1	<0.05	9	<0.5	<0.2
1082127	Soil	10	52	0.60	105	0.115	2	3.70	0.016	0.06	1.8	0.03	3.4	<0.1	<0.05	8	0.5	<0.2
1082101	Soil	7	33	0.43	81	0.067	1	1.37	0.009	0.07	0.2	0.04	1.7	<0.1	0.06	7	<0.5	<0.2
1082125	Soil	9	60	0.75	114	0.097	2	2.15	0.014	0.10	0.9	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
1082132	Soil	12	28	0.42	109	0.077	1	1.84	0.017	0.06	0.6	0.03	2.4	<0.1	<0.05	7	<0.5	<0.2
1082133	Soil	11	29	0.38	109	0.077	<1	1.64	0.013	0.06	0.9	0.03	2.2	<0.1	<0.05	9	<0.5	<0.2
1082131	Soil	11	55	0.60	89	0.102	1	2.13	0.013	0.07	0.9	0.05	2.8	<0.1	<0.05	9	<0.5	<0.2
1082130	Soil	11	37	0.46	102	0.096	1	2.61	0.015	0.06	0.9	0.04	2.8	<0.1	<0.05	9	<0.5	<0.2
1082121	Soil	8	76	0.95	153	0.111	2	3.21	0.019	0.12	0.5	0.03	4.0	0.1	<0.05	7	<0.5	<0.2
1082120	Soil	10	243	1.73	91	0.139	2	2.38	0.010	0.11	0.4	0.02	3.8	0.3	<0.05	11	<0.5	<0.2
1082122	Soil	8	135	0.97	87	0.099	<1	2.32	0.012	0.07	1.1	0.03	3.1	0.1	<0.05	9	<0.5	<0.2
1082124	Soil	8	49	0.53	101	0.081	<1	2.09	0.010	0.05	0.5	0.03	2.8	0.1	<0.05	9	<0.5	<0.2
1082123	Soil	7	60	0.70	110	0.094	<1	2.45	0.011	0.05	1.2	0.03	3.3	0.1	<0.05	7	<0.5	<0.2
1082112	Soil	8	51	0.73	96	0.079	<1	2.13	0.015	0.09	1.3	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
1086965	Soil	8	32	0.59	114	0.097	<1	1.75	0.011	0.06	0.2	0.05	2.5	0.1	<0.05	9	<0.5	<0.2
1086966	Soil	10	32	0.64	116	0.094	<1	1.87	0.012	0.07	0.2	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1086967	Soil	10	33	0.64	120	0.099	<1	1.86	0.012	0.07	0.2	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1086968	Soil	9	37	0.52	117	0.074	<1	2.15	0.009	0.06	0.2	0.03	2.6	0.1	<0.05	8	<0.5	<0.2
1082107	Soil	9	44	0.50	97	0.065	1	1.68	0.008	0.08	0.1	0.07	2.3	0.2	<0.05	9	0.6	<0.2
1082108	Soil	9	44	0.69	82	0.083	2	2.04	0.009	0.11	0.1	0.03	2.8	0.1	<0.05	7	0.7	<0.2
1082109	Soil	15	47	0.71	161	0.103	<1	2.25	0.013	0.10	0.5	0.02	5.3	0.1	<0.05	6	<0.5	<0.2
1082110	Soil	11	54	0.84	98	0.068	<1	2.01	0.011	0.09	0.2	0.02	3.4	0.2	<0.05	7	<0.5	<0.2
1082111	Soil	10	49	0.70	118	0.083	<1	2.12	0.012	0.08	0.2	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
1082105	Soil	8	45	0.82	124	0.104	<1	2.17	0.013	0.09	0.1	0.03	3.5	0.1	<0.05	8	<0.5	<0.2
1082103	Soil	14	59	0.73	137	0.062	<1	2.28	0.015	0.17	0.2	0.06	3.3	0.2	0.10	7	0.7	<0.2
1082102	Soil	9	52	0.83	103	0.085	<1	2.19	0.014	0.13	0.2	0.02	4.0	0.2	<0.05	6	<0.5	<0.2
1082104	Soil	9	41	0.54	101	0.087	<1	1.88	0.009	0.08	0.1	0.04	2.8	0.2	<0.05	10	0.6	<0.2
1082106	Soil	9	40	0.59	127	0.079	<1	1.93	0.009	0.09	0.2	0.03	2.7	0.1	<0.05	8	<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
		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
1086995	Soil	0.7	31.9	13.7	68	0.4	32.1	13.9	347	3.34	11.8	0.7	3.1	5.1	20	0.3	0.4	0.2	73	0.26
1086998	Soil	1.2	25.7	13.9	68	0.1	32.9	14.1	277	3.66	12.7	0.5	1.8	3.7	19	0.3	0.5	0.3	81	0.19
1086996	Soil	0.9	35.4	39.3	77	0.3	33.7	13.3	344	3.47	12.6	0.7	7.2	5.9	18	0.3	0.4	0.3	76	0.20
1086994	Soil	0.9	25.5	21.8	92	<0.1	28.3	10.6	373	3.32	10.7	0.6	2.5	3.8	13	0.3	0.5	0.4	63	0.16
1086993	Soil	0.6	23.8	14.7	67	0.2	27.5	12.7	423	3.00	9.0	0.7	5.7	6.1	14	0.3	0.3	0.1	67	0.17
1086974	Soil	0.5	17.5	18.5	55	0.1	21.7	12.7	511	3.19	6.8	1.1	12.2	7.8	11	0.3	0.3	0.1	75	0.15
1086975	Soil	0.7	23.8	26.0	65	<0.1	25.8	12.1	455	3.02	15.0	0.8	1.9	5.7	13	0.2	0.4	0.2	66	0.17
1086976	Soil	1.1	25.9	18.7	82	0.2	26.8	10.8	357	3.11	11.5	0.8	1.3	3.9	14	0.2	0.4	0.2	67	0.17
1086999	Soil	0.9	29.4	11.5	64	0.2	30.0	14.6	358	3.20	9.3	0.6	2.0	5.5	19	0.4	0.3	0.2	72	0.25
1086997	Soil	1.1	32.5	16.4	64	0.1	33.9	13.4	260	3.56	12.3	0.5	1.5	3.6	18	0.3	0.5	0.3	77	0.19
1086969	Soil	0.6	24.7	11.4	62	<0.1	24.2	11.7	480	2.97	7.5	0.8	4.0	5.3	21	0.3	0.4	0.2	69	0.31
1086970	Soil	0.6	24.5	11.3	64	<0.1	24.8	11.7	469	2.92	7.7	0.8	3.8	5.0	20	0.2	0.4	0.2	68	0.30
1086971	Soil	0.7	24.6	14.0	62	<0.1	23.7	11.8	422	3.00	7.3	0.8	2.2	4.7	16	0.1	0.4	0.1	69	0.23
1086972	Soil	0.7	29.1	13.9	62	0.1	30.6	13.1	353	3.28	9.5	0.8	3.9	4.4	15	0.3	0.4	0.2	70	0.19
1086973	Soil	0.7	27.0	17.2	62	<0.1	28.4	13.3	597	3.12	9.0	1.2	2.3	7.4	16	0.3	0.5	0.2	68	0.23
1086984	Soil	0.8	25.1	23.1	70	0.2	26.1	12.5	509	2.99	7.8	0.8	4.9	5.2	16	0.3	0.4	0.4	64	0.19
1086983	Soil	0.9	28.4	32.1	75	0.4	30.0	13.1	471	3.09	9.0	0.9	8.9	4.7	15	0.5	0.5	0.2	69	0.16
1086982	Soil	1.1	27.8	64.3	100	1.4	26.3	12.2	469	3.20	10.2	0.9	61.4	4.2	15	0.9	0.5	0.7	72	0.17
1086979	Soil	0.8	21.9	19.2	76	<0.1	30.7	12.1	443	3.29	9.9	0.9	2.6	5.3	15	0.4	0.5	0.3	67	0.16
1086980	Soil	1.3	22.9	17.1	73	<0.1	26.8	12.0	476	3.62	9.7	0.8	6.0	4.4	22	0.2	0.5	0.3	82	0.22
1086977	Soil	0.5	22.7	30.7	81	<0.1	23.4	13.0	634	3.39	8.3	1.5	4.7	11.5	20	0.3	0.3	0.2	71	0.23
1086987	Soil	0.6	17.5	20.3	73	<0.1	19.6	9.6	490	2.65	6.3	1.0	3.9	6.0	16	0.2	0.4	0.2	59	0.18
1086988	Soil	1.4	22.0	20.7	77	0.1	24.6	10.0	326	3.32	10.4	0.7	6.4	3.9	16	0.3	0.7	0.3	67	0.16
1086986	Soil	0.7	23.8	13.5	68	<0.1	29.3	11.7	408	2.93	9.3	0.6	5.2	3.2	19	0.2	0.5	0.2	60	0.23
1086985	Soil	0.9	30.6	16.9	84	<0.1	33.5	12.7	547	3.49	11.2	0.7	2.2	4.7	22	0.4	0.5	0.2	73	0.26
1086992	Soil	0.8	23.8	22.1	73	0.2	30.4	10.9	451	3.05	10.0	0.6	5.2	3.6	17	0.3	0.4	0.2	63	0.20
1086991	Soil	1.8	23.2	18.4	66	<0.1	24.0	11.8	428	5.15	15.3	0.6	2.3	4.0	19	0.2	0.7	0.3	104	0.18
1086990	Soil	1.3	30.6	14.9	63	0.1	21.7	10.1	297	3.77	11.1	0.6	2.5	3.0	19	0.2	0.6	0.3	79	0.19
1086989	Soil	0.7	30.3	29.6	91	0.2	28.7	12.2	469	3.20	10.9	0.8	20.4	6.1	21	0.5	0.5	0.3	67	0.22
1086978	Soil	1.2	23.0	25.2	91	0.1	27.6	11.2	513	3.40	11.1	1.4	1.8	6.1	14	0.5	0.6	0.4	69	0.16



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Project: PLU
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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
1086995	Soil	9	41	0.78	147	0.099	1	2.88	0.012	0.08	0.2	0.04	3.7	<0.1	<0.05	7	<0.5	<0.2
1086998	Soil	8	41	0.60	183	0.093	<1	2.72	0.011	0.07	0.2	0.02	3.1	0.1	<0.05	9	<0.5	<0.2
1086996	Soil	14	45	0.74	153	0.104	<1	3.21	0.013	0.08	0.2	0.02	4.4	<0.1	<0.05	8	0.5	<0.2
1086994	Soil	11	34	0.63	111	0.079	<1	2.67	0.010	0.08	0.2	0.02	3.3	<0.1	<0.05	8	<0.5	<0.2
1086993	Soil	10	39	0.74	106	0.082	<1	2.66	0.012	0.08	0.1	0.02	3.6	0.1	<0.05	7	<0.5	<0.2
1086974	Soil	13	40	0.82	102	0.112	<1	2.25	0.013	0.06	0.2	0.02	3.4	<0.1	<0.05	7	<0.5	<0.2
1086975	Soil	11	40	0.68	130	0.083	<1	2.45	0.013	0.06	0.2	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
1086976	Soil	11	35	0.63	114	0.071	<1	2.52	0.011	0.08	0.2	0.05	3.2	<0.1	<0.05	7	<0.5	<0.2
1086999	Soil	9	39	0.71	110	0.129	<1	2.71	0.014	0.08	0.4	0.03	3.7	<0.1	<0.05	7	<0.5	<0.2
1086997	Soil	9	38	0.61	173	0.092	<1	2.80	0.011	0.06	0.2	0.03	3.1	0.1	<0.05	8	<0.5	<0.2
1086969	Soil	15	36	0.68	180	0.118	<1	2.17	0.017	0.09	0.2	0.01	4.0	<0.1	<0.05	6	<0.5	<0.2
1086970	Soil	15	35	0.67	170	0.117	<1	2.27	0.017	0.09	0.2	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
1086971	Soil	11	32	0.74	137	0.101	<1	2.13	0.013	0.07	0.2	0.02	3.2	<0.1	<0.05	7	<0.5	<0.2
1086972	Soil	10	38	0.71	138	0.106	<1	2.85	0.014	0.08	0.2	0.03	3.6	<0.1	<0.05	7	<0.5	<0.2
1086973	Soil	11	37	0.71	150	0.112	1	2.58	0.016	0.09	0.2	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
1086984	Soil	10	36	0.71	104	0.098	<1	2.51	0.012	0.06	0.2	0.04	3.2	<0.1	<0.05	7	<0.5	<0.2
1086983	Soil	12	37	0.70	111	0.103	<1	2.83	0.012	0.06	0.2	0.04	3.9	<0.1	<0.05	7	<0.5	<0.2
1086982	Soil	10	36	0.69	90	0.098	<1	2.53	0.011	0.05	0.3	0.05	3.3	<0.1	<0.05	7	<0.5	<0.2
1086979	Soil	16	38	0.70	125	0.107	2	2.99	0.014	0.08	0.2	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
1086980	Soil	13	41	0.75	129	0.106	2	2.18	0.014	0.07	0.1	0.03	3.4	<0.1	<0.05	8	<0.5	<0.2
1086977	Soil	26	39	0.86	136	0.089	1	2.60	0.013	0.08	0.2	0.02	4.8	0.1	<0.05	8	<0.5	<0.2
1086987	Soil	20	32	0.63	101	0.095	<1	1.69	0.011	0.06	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1086988	Soil	9	32	0.54	123	0.094	1	2.22	0.012	0.09	0.2	0.02	2.5	<0.1	<0.05	8	<0.5	<0.2
1086986	Soil	10	33	0.61	119	0.101	1	2.13	0.012	0.07	0.2	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1086985	Soil	15	40	0.73	163	0.107	2	2.93	0.016	0.10	0.2	0.04	4.4	<0.1	<0.05	8	<0.5	<0.2
1086992	Soil	13	37	0.74	101	0.103	<1	2.63	0.012	0.08	0.2	0.03	3.7	<0.1	<0.05	7	0.7	<0.2
1086991	Soil	9	39	0.74	142	0.154	1	2.47	0.009	0.07	0.1	0.02	2.9	0.1	<0.05	11	<0.5	<0.2
1086990	Soil	9	29	0.47	121	0.103	<1	2.07	0.012	0.06	0.2	0.02	2.5	<0.1	<0.05	8	<0.5	<0.2
1086989	Soil	14	40	0.80	164	0.111	3	2.83	0.020	0.13	0.1	0.02	3.9	0.1	<0.05	7	<0.5	<0.2
1086978	Soil	12	36	0.69	106	0.103	1	2.74	0.012	0.08	0.2	0.04	2.8	<0.1	<0.05	7	0.5	<0.2



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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
1086533	Soil		1.0	25.7	17.2	83	<0.1	32.3	12.6	536	3.28	8.1	1.2	3.2	4.0	72	0.3	0.5	0.2	66	0.44
1086531	Soil		1.9	57.1	38.4	128	0.8	30.5	12.8	755	3.09	10.5	2.1	11.4	6.0	28	0.6	0.7	0.5	62	0.37
1086536	Soil		1.4	23.7	29.4	139	0.1	23.5	11.9	620	3.34	9.2	2.3	6.7	11.3	33	0.5	0.4	0.3	72	0.33
1086519	Soil		0.6	29.1	16.0	86	<0.1	33.0	13.1	444	2.86	9.4	0.8	<0.5	4.2	19	0.3	0.6	0.3	59	0.24
1086522	Soil		0.3	16.3	31.1	165	<0.1	5.4	7.2	524	3.38	2.6	4.9	<0.5	4.2	32	0.7	0.2	0.5	40	0.47
1086538	Soil		1.2	21.7	17.3	78	<0.1	27.4	11.9	420	3.21	11.7	0.9	2.8	4.5	23	0.3	0.6	0.3	66	0.24
1086539	Soil		2.0	27.5	22.2	78	0.2	15.0	6.7	292	3.10	20.8	0.8	10.3	2.0	18	0.4	0.8	0.3	78	0.16
1086534	Soil		1.8	31.6	23.7	80	0.2	17.4	7.9	340	2.73	8.5	0.9	1.2	2.1	20	0.5	0.7	0.3	59	0.19
1086537	Soil		1.5	24.6	35.2	139	0.2	24.4	11.2	586	3.31	10.4	2.0	6.3	9.3	28	0.4	0.5	0.3	72	0.29
1086541	Soil		2.3	22.1	24.6	84	0.1	18.2	7.2	272	3.11	10.6	0.9	2.0	2.3	17	0.4	0.8	0.4	76	0.16
1086981	Soil		1.8	21.0	23.1	74	0.3	23.6	9.9	359	3.64	11.9	0.8	1.1	2.8	18	0.3	0.8	0.3	80	0.17
1086532	Soil		2.5	27.4	19.2	106	<0.1	25.0	12.8	832	3.61	11.0	0.9	1.0	1.3	27	0.3	1.0	0.3	74	0.25
1086535	Soil		1.9	27.4	25.6	115	0.2	23.3	11.3	598	3.71	7.4	2.1	2.8	4.3	61	0.3	0.5	0.3	68	0.48
1086540	Soil		2.8	23.5	27.7	100	0.1	22.7	9.1	343	3.62	12.6	1.1	2.0	2.1	20	0.2	0.9	0.3	75	0.16
1086542	Soil		1.9	23.4	20.3	71	0.2	16.5	7.6	249	3.37	11.2	0.8	6.4	3.3	15	0.3	0.8	0.3	86	0.13
1086547	Soil		1.6	25.5	48.2	73	0.4	11.7	6.1	364	1.68	6.0	1.6	1.9	1.6	24	1.1	0.4	0.2	39	0.26
1086549	Soil		0.1	5.4	1.6	11	<0.1	1.2	1.6	41	0.68	<0.5	0.2	<0.5	0.1	9	<0.1	<0.1	<0.1	20	0.08
1086543	Soil		2.0	23.3	46.5	89	0.4	23.0	10.4	271	3.76	19.4	0.8	6.9	3.6	18	0.4	1.0	0.3	85	0.17
1038532	Soil		0.9	21.2	12.2	51	0.2	12.5	6.2	282	2.01	4.3	1.3	1.4	2.4	19	0.1	0.2	0.2	51	0.19
1086548	Soil		0.4	8.1	10.2	20	0.1	3.0	2.8	95	1.11	1.2	0.3	0.6	0.3	9	0.2	0.1	<0.1	34	0.09
1086526	Soil		2.5	31.9	17.6	107	<0.1	30.4	13.8	655	3.77	9.7	1.3	4.1	1.2	30	0.3	1.2	0.3	82	0.20
1086528	Soil		1.4	32.2	18.0	92	0.2	28.3	13.9	886	3.27	12.2	1.7	4.3	1.4	26	0.4	0.9	0.3	67	0.27
1086529	Soil		1.5	31.0	59.7	162	0.2	27.3	11.8	608	3.12	9.7	1.9	7.5	4.2	29	0.6	0.7	0.6	69	0.37
1086530	Soil		1.4	32.6	56.4	150	0.1	23.1	9.5	539	2.65	8.8	2.0	4.8	4.0	24	0.6	0.6	0.4	56	0.34
1086520	Soil		1.4	28.3	12.6	102	<0.1	28.5	12.1	511	3.15	11.3	0.7	0.9	2.6	15	0.3	0.7	0.3	69	0.17
1086523	Soil		0.8	15.8	5.4	42	<0.1	7.4	5.5	211	1.58	3.2	0.4	<0.5	0.4	10	0.2	0.3	<0.1	44	0.11
1086524	Soil		0.9	26.5	16.7	86	<0.1	25.7	11.5	462	2.93	8.7	1.0	3.0	4.8	15	0.2	0.6	0.2	69	0.22
1086527	Soil		0.9	26.9	14.3	96	<0.1	30.0	11.5	540	2.91	9.8	1.2	2.1	3.8	18	0.3	0.6	0.2	64	0.24
1086525	Soil		1.1	34.1	23.3	132	<0.1	29.9	11.2	547	2.91	10.0	1.1	3.3	2.5	19	0.5	0.6	0.4	65	0.23
1086521	Soil		0.7	24.2	12.0	73	<0.1	28.6	11.8	485	2.77	8.8	0.7	0.5	3.0	16	0.3	0.4	0.2	62	0.22



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Part 2

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
		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
1086533	Soil	17	31	0.76	214	0.122	<1	2.55	0.027	0.05	0.2	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
1086531	Soil	58	38	0.67	90	0.104	2	2.09	0.019	0.10	0.4	0.10	3.1	0.2	<0.05	8	0.5	<0.2
1086536	Soil	29	40	0.89	171	0.147	<1	2.31	0.017	0.08	2.8	0.02	4.7	0.1	<0.05	8	<0.5	<0.2
1086519	Soil	12	32	0.67	132	0.122	3	2.36	0.018	0.09	0.2	0.03	3.4	<0.1	<0.05	6	<0.5	<0.2
1086522	Soil	43	7	0.67	103	0.139	<1	2.13	0.020	0.38	0.4	0.02	3.3	0.7	<0.05	11	<0.5	<0.2
1086538	Soil	12	34	0.60	158	0.103	2	2.33	0.014	0.08	0.4	0.02	3.0	<0.1	<0.05	7	<0.5	<0.2
1086539	Soil	7	21	0.28	81	0.073	<1	1.31	0.011	0.04	0.5	0.05	1.5	<0.1	<0.05	9	<0.5	<0.2
1086534	Soil	11	21	0.37	78	0.083	<1	1.46	0.028	0.06	0.2	0.04	1.9	<0.1	<0.05	6	<0.5	<0.2
1086537	Soil	24	38	0.83	157	0.147	1	2.46	0.016	0.07	1.8	0.02	3.8	0.1	<0.05	9	<0.5	<0.2
1086541	Soil	13	26	0.35	89	0.073	<1	1.70	0.010	0.05	0.3	0.03	2.1	0.1	<0.05	8	<0.5	<0.2
1086981	Soil	11	37	0.65	99	0.092	1	2.31	0.012	0.06	0.1	0.05	2.9	0.1	<0.05	9	<0.5	<0.2
1086532	Soil	12	37	0.56	159	0.073	1	2.17	0.012	0.06	0.1	0.06	2.4	0.1	0.05	9	0.7	<0.2
1086535	Soil	46	28	0.82	122	0.173	<1	2.06	0.018	0.07	0.2	0.05	3.2	<0.1	<0.05	9	<0.5	<0.2
1086540	Soil	10	30	0.42	111	0.067	1	1.92	0.011	0.05	0.2	0.04	2.2	<0.1	<0.05	9	<0.5	<0.2
1086542	Soil	9	25	0.34	67	0.088	<1	1.58	0.011	0.04	0.2	0.04	1.9	<0.1	<0.05	9	<0.5	<0.2
1086547	Soil	32	17	0.27	90	0.039	<1	1.29	0.019	0.05	0.2	0.06	1.3	<0.1	0.06	5	<0.5	<0.2
1086549	Soil	2	3	0.04	18	0.030	<1	0.29	0.029	0.03	<0.1	0.01	0.4	<0.1	<0.05	2	<0.5	<0.2
1086543	Soil	9	33	0.42	107	0.093	<1	2.14	0.010	0.05	0.3	0.02	2.5	0.1	<0.05	9	<0.5	<0.2
1038532	Soil	14	21	0.29	102	0.076	<1	1.28	0.019	0.06	0.3	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
1086548	Soil	4	5	0.07	18	0.048	<1	0.30	0.020	0.02	<0.1	0.02	0.6	<0.1	<0.05	2	<0.5	<0.2
1086526	Soil	25	39	0.70	159	0.065	<1	2.16	0.015	0.05	<0.1	0.07	2.6	0.1	<0.05	9	<0.5	<0.2
1086528	Soil	56	34	0.64	122	0.047	<1	2.11	0.014	0.06	0.1	0.06	2.6	0.1	0.08	7	0.9	<0.2
1086529	Soil	28	36	0.66	139	0.090	<1	1.95	0.015	0.06	0.2	0.05	2.7	0.1	<0.05	8	<0.5	<0.2
1086530	Soil	37	28	0.57	78	0.087	1	1.61	0.018	0.06	0.2	0.02	2.3	<0.1	<0.05	7	<0.5	<0.2
1086520	Soil	11	38	0.65	107	0.077	2	2.13	0.010	0.07	0.2	0.04	2.7	<0.1	<0.05	8	0.8	<0.2
1086523	Soil	4	11	0.16	38	0.051	2	0.61	0.010	0.02	<0.1	0.05	0.7	<0.1	<0.05	4	<0.5	<0.2
1086524	Soil	22	31	0.55	103	0.106	2	2.07	0.012	0.05	0.3	0.05	2.8	0.1	<0.05	6	0.7	<0.2
1086527	Soil	22	33	0.65	117	0.101	2	2.02	0.012	0.05	0.2	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1086525	Soil	20	28	0.54	118	0.077	3	1.96	0.012	0.04	0.3	0.03	2.3	0.2	<0.05	6	0.7	<0.2
1086521	Soil	14	35	0.60	91	0.085	2	2.02	0.011	0.06	0.2	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2



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Part 1

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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
1083954	Soil	3.9	53.8	15.4	70	0.2	27.2	11.9	602	3.50	19.2	1.4	<0.5	0.2	16	0.2	1.2	0.3	76	0.14	0.123
1083964	Soil	1.5	49.2	18.6	77	0.1	27.7	11.1	374	3.16	14.3	0.7	1.5	0.4	22	0.3	0.7	0.3	75	0.22	0.069
1083951	Soil	1.2	31.2	14.5	65	0.1	28.5	12.7	418	2.98	13.0	0.7	<0.5	2.5	15	0.3	1.0	0.2	65	0.16	0.045
1083956	Soil	0.6	19.2	2.7	25	<0.1	7.8	5.6	149	1.27	6.3	0.3	<0.5	0.2	11	0.1	0.3	<0.1	41	0.12	0.038
1083966	Soil	1.2	164.6	808.6	642	5.7	58.6	25.2	1933	4.93	32.8	1.4	11.5	5.7	26	8.7	0.7	5.5	93	0.26	0.050
1083957	Soil	2.4	80.7	14.8	104	0.4	29.8	15.9	627	4.50	45.5	1.0	5.4	0.9	23	0.3	1.1	0.3	65	0.20	0.091
1083960	Soil	2.0	178.5	17.4	95	0.2	37.8	12.9	424	5.17	75.5	0.9	88.5	2.3	19	0.3	0.9	3.2	90	0.15	0.048
1083959	Soil	1.5	1763	18.5	122	2.1	59.0	27.2	535	8.22	85.2	2.4	61.3	6.4	71	1.0	1.1	5.7	65	1.02	0.045
1083963	Soil	1.7	98.8	64.8	135	0.2	51.6	17.3	289	4.08	36.5	0.6	2.1	1.8	18	0.6	0.8	0.9	87	0.19	0.035
1083969	Soil	1.5	39.2	18.1	124	0.3	23.0	10.3	430	3.18	33.5	3.1	148.0	6.6	48	0.4	0.4	0.6	63	0.44	0.078
1086550	Soil	1.2	27.9	17.1	81	0.1	20.3	10.6	407	2.71	7.5	1.3	1.9	4.7	23	0.2	0.4	0.3	62	0.30	0.045
1086545	Soil	1.9	32.6	19.1	62	<0.1	13.2	9.5	432	2.20	5.9	0.5	<0.5	0.9	13	0.3	0.6	0.2	63	0.12	0.037
1086546	Soil	0.8	18.4	11.9	37	<0.1	6.5	5.1	145	1.67	2.9	0.3	<0.5	0.9	11	0.2	0.3	<0.1	52	0.13	0.041
1086544	Soil	0.1	6.7	0.8	15	<0.1	1.8	2.5	51	0.92	<0.5	0.1	<0.5	0.2	9	<0.1	<0.1	<0.1	38	0.11	0.042
1083955	Soil	1.5	49.9	12.9	87	<0.1	31.6	11.8	405	3.43	16.5	0.7	3.9	1.4	16	0.2	0.9	0.3	85	0.15	0.044
1083965	Soil	0.8	48.0	65.7	114	0.2	44.1	22.5	783	3.95	17.6	0.6	6.1	2.5	20	0.8	0.4	1.0	80	0.28	0.061
1083962	Soil	1.4	72.7	12.0	95	0.1	39.6	14.6	410	3.44	35.6	0.7	8.9	2.6	17	0.6	0.7	0.8	82	0.21	0.038
1083971	Soil	1.9	31.2	40.3	106	<0.1	26.7	12.3	566	3.51	24.6	1.3	6.5	8.2	33	0.5	0.5	0.4	68	0.21	0.039
1083977	Soil	2.5	21.9	19.7	97	0.1	19.5	10.1	529	2.82	11.5	2.0	2.4	6.8	28	0.2	0.4	0.3	58	0.27	0.049
1083982	Soil	1.3	8.6	85.0	30	0.5	2.9	9.5	503	1.66	3.2	0.3	0.8	0.3	11	0.3	0.1	<0.1	59	0.20	0.073
1083967	Soil	3.3	99.1	67.6	154	0.9	46.1	33.9	973	3.76	333.1	3.5	71.4	3.0	27	2.7	0.8	4.1	89	0.24	0.106
1083970	Soil	3.8	30.8	53.4	118	0.5	11.7	7.7	582	2.65	27.7	3.6	10.2	5.3	40	0.7	0.4	0.7	46	0.45	0.060
1083961	Soil	2.3	106.2	14.3	76	0.5	26.5	14.5	641	3.17	20.8	1.2	13.5	1.0	17	0.4	0.8	0.6	83	0.15	0.098
1083958	Soil	1.5	588.2	18.2	1512	1.1	151.4	31.8	476	6.86	155.3	1.2	88.2	3.9	41	4.0	1.4	4.3	78	0.30	0.049
1083968	Soil	2.4	49.1	67.6	110	0.3	27.9	10.5	304	3.80	77.1	0.9	30.1	1.8	21	1.7	0.8	0.7	96	0.20	0.036
1083953	Soil	2.4	60.0	29.9	94	0.3	34.5	10.7	259	3.71	18.7	1.7	8.1	3.0	41	0.2	0.7	0.4	84	0.11	0.062
1083973	Soil	1.9	30.5	33.4	110	0.2	23.3	10.9	547	3.03	14.8	2.7	4.2	6.4	41	0.8	0.3	0.3	64	0.41	0.069
1083974	Soil	1.6	28.5	33.1	108	0.2	23.2	10.9	526	3.04	14.7	2.5	4.3	6.3	38	0.9	0.4	0.3	66	0.40	0.070
1083972	Soil	1.6	27.4	26.2	106	0.1	20.2	9.5	552	2.63	14.1	1.5	5.4	3.3	43	0.6	0.4	0.3	57	0.31	0.064
1083952	Soil	2.5	59.2	30.1	95	0.3	34.8	10.5	257	3.57	16.9	1.7	4.8	3.0	42	0.2	0.8	0.4	83	0.11	0.060



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Part 2

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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
1083954	Soil	9	36	0.33	98	0.025	2	1.47	0.008	0.06	0.1	0.13	1.0	0.1	0.14	7	0.7	<0.2
1083964	Soil	7	37	0.44	114	0.040	1	1.65	0.011	0.06	0.1	0.05	1.6	<0.1	0.07	7	0.6	0.2
1083951	Soil	8	36	0.62	81	0.105	2	1.95	0.011	0.13	0.1	0.04	2.8	0.1	<0.05	6	0.7	<0.2
1083956	Soil	2	11	0.13	43	0.045	<1	0.45	0.012	0.03	<0.1	0.04	0.5	<0.1	<0.05	2	<0.5	<0.2
1083966	Soil	24	81	1.28	167	0.045	2	2.90	0.014	0.08	1.6	0.03	7.2	0.1	<0.05	8	1.1	1.2
1083957	Soil	13	33	0.54	118	0.052	2	2.31	0.014	0.07	0.2	0.09	2.0	0.2	<0.05	6	1.4	<0.2
1083960	Soil	10	64	0.66	115	0.115	2	2.20	0.011	0.11	1.5	0.05	3.0	0.1	<0.05	11	1.2	1.0
1083959	Soil	27	49	1.62	137	0.121	5	2.34	0.042	0.16	19.0	0.02	4.9	0.3	0.18	7	7.6	4.9
1083963	Soil	8	61	0.66	114	0.098	2	2.14	0.010	0.07	0.4	0.04	2.8	0.1	<0.05	8	0.8	0.4
1083969	Soil	31	36	0.72	147	0.078	<1	1.79	0.015	0.10	0.3	0.02	4.3	0.1	<0.05	6	<0.5	0.2
1086550	Soil	17	33	0.53	146	0.096	<1	1.73	0.014	0.07	0.5	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1086545	Soil	6	17	0.18	64	0.050	1	0.95	0.015	0.03	0.1	0.02	0.8	<0.1	<0.05	5	<0.5	<0.2
1086546	Soil	6	10	0.14	39	0.056	<1	0.59	0.010	0.02	0.1	<0.01	0.6	<0.1	<0.05	4	<0.5	<0.2
1086544	Soil	3	4	0.06	14	0.052	<1	0.19	0.018	0.02	<0.1	<0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
1083955	Soil	9	43	0.53	98	0.087	2	1.73	0.008	0.08	0.2	0.07	2.4	0.1	0.07	6	<0.5	<0.2
1083965	Soil	10	48	0.90	128	0.069	1	2.49	0.011	0.09	0.3	0.03	4.1	<0.1	<0.05	7	0.8	0.3
1083962	Soil	9	41	0.57	109	0.097	2	1.87	0.010	0.09	0.3	0.04	2.9	<0.1	<0.05	6	<0.5	0.3
1083971	Soil	26	33	0.58	115	0.068	1	2.29	0.012	0.06	0.3	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
1083977	Soil	22	28	0.53	104	0.091	3	1.56	0.014	0.08	0.4	0.02	2.7	0.1	<0.05	6	<0.5	<0.2
1083982	Soil	4	6	0.07	19	0.068	<1	0.25	0.020	0.02	<0.1	0.03	0.5	<0.1	<0.05	3	<0.5	<0.2
1083967	Soil	27	79	0.85	92	0.063	2	2.36	0.015	0.10	0.4	0.10	5.3	0.1	0.19	7	1.4	0.3
1083970	Soil	63	19	0.38	82	0.025	1	1.35	0.009	0.07	0.2	0.04	3.8	<0.1	0.06	5	0.7	<0.2
1083961	Soil	9	39	0.44	100	0.071	2	1.61	0.009	0.13	0.4	0.09	2.6	0.1	0.14	7	1.0	0.4
1083958	Soil	15	161	1.43	98	0.192	1	2.40	0.022	0.24	3.3	0.03	4.1	0.3	0.15	8	7.0	2.4
1083968	Soil	11	36	0.39	116	0.082	2	1.88	0.009	0.05	0.2	0.04	2.4	<0.1	0.08	9	0.6	<0.2
1083953	Soil	13	50	0.67	271	0.106	1	1.95	0.014	0.41	0.1	0.03	2.8	0.4	0.17	6	0.7	<0.2
1083973	Soil	24	33	0.62	153	0.102	1	1.76	0.016	0.11	0.3	0.03	3.6	0.1	0.07	6	<0.5	<0.2
1083974	Soil	24	31	0.60	149	0.105	<1	1.75	0.016	0.10	0.4	0.02	3.6	0.1	<0.05	6	0.6	<0.2
1083972	Soil	18	26	0.45	122	0.071	1	1.44	0.014	0.08	0.3	0.02	2.4	0.1	0.08	6	<0.5	<0.2
1083952	Soil	14	51	0.67	286	0.111	<1	1.90	0.014	0.43	<0.1	0.02	2.7	0.4	0.13	6	0.9	<0.2



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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
1082016	Soil	0.2	8.0	1.6	13	<0.1	2.0	2.2	48	0.84	1.5	0.2	0.5	0.3	10	<0.1	<0.1	<0.1	27	0.10	0.039
1082017	Soil	1.1	31.1	14.0	58	0.1	31.7	12.8	288	3.46	13.3	1.0	2.4	8.0	14	0.4	0.6	0.2	70	0.14	0.029
1082018	Soil	1.3	35.9	23.2	80	<0.1	38.1	15.4	400	3.83	13.6	0.8	2.9	4.8	20	0.5	0.6	0.3	84	0.22	0.029
1082019	Soil	1.0	30.4	19.4	68	<0.1	35.1	14.0	299	3.50	10.9	0.6	2.1	4.1	18	0.4	0.4	0.2	71	0.18	0.028
1082020	Soil	1.3	26.7	19.0	85	<0.1	19.4	9.0	393	3.25	10.0	1.1	1.7	4.4	22	0.4	0.4	0.3	68	0.28	0.021
1083975	Soil	1.3	16.3	3.9	29	0.2	5.8	3.3	102	1.27	2.5	1.2	1.9	0.8	34	0.3	0.2	<0.1	37	0.33	0.050
1083976	Soil	1.9	23.5	25.3	114	0.2	26.2	13.6	484	3.45	15.6	1.5	70.6	8.8	25	0.5	0.4	0.4	69	0.19	0.054
1082013	Soil	2.0	13.0	16.5	53	<0.1	11.8	5.8	367	3.50	10.0	1.4	3.0	22.4	14	0.1	0.6	0.4	64	0.25	0.032
1082014	Soil	1.4	32.6	15.5	63	0.2	29.8	14.2	294	4.14	13.2	0.7	2.4	4.8	17	0.3	0.5	0.3	83	0.17	0.036
1082015	Soil	1.4	29.0	13.4	61	<0.1	24.6	12.6	340	3.40	10.3	0.5	5.5	3.5	21	0.3	0.4	0.2	77	0.19	0.031
1083978	Soil	1.4	99.0	29.0	123	0.3	31.6	14.8	477	3.48	29.0	1.0	7.9	5.2	29	1.0	2.1	0.6	61	0.33	0.109
1083983	Soil	1.0	23.7	6.6	29	0.5	6.3	4.4	227	1.71	5.0	1.0	1.6	0.6	21	1.3	0.2	0.2	36	0.26	0.107
1083979	Soil	1.5	58.6	19.8	72	0.3	18.3	8.1	289	2.48	19.7	1.7	5.5	2.7	28	0.4	0.7	0.4	60	0.30	0.049
1083981	Soil	2.6	35.0	301.3	273	1.1	17.3	30.7	1635	2.47	12.2	1.2	6.9	1.5	27	2.2	0.6	0.6	60	0.26	0.077
1083980	Soil	0.8	22.9	143.0	141	0.7	8.3	6.4	269	1.23	5.6	0.9	1.1	0.6	21	1.4	0.3	0.3	31	0.23	0.061
1082007	Soil	2.0	27.2	33.4	99	0.1	20.6	9.5	648	2.82	12.3	1.4	3.2	1.2	14	0.7	0.7	0.4	68	0.15	0.060
1082008	Soil	1.1	27.7	26.4	99	<0.1	24.8	11.2	418	2.79	29.0	1.5	3.3	5.0	16	0.5	0.4	1.1	61	0.22	0.066
1082012	Soil	1.0	29.8	15.7	72	<0.1	35.3	13.7	325	3.40	13.2	0.9	2.7	5.4	16	0.4	0.5	0.3	69	0.16	0.025
1082011	Soil	2.3	25.2	16.5	81	0.2	17.0	8.5	450	4.08	11.3	0.5	3.1	2.5	13	0.2	0.7	0.4	97	0.11	0.019
1082009	Soil	0.7	71.1	67.7	507	0.4	49.7	17.8	917	4.80	30.4	3.2	7.1	5.7	36	3.3	0.3	1.6	81	0.51	0.136
1082023	Soil	1.7	29.7	15.8	64	<0.1	21.2	9.5	258	3.72	12.6	0.7	2.3	2.5	17	0.2	0.6	0.3	82	0.15	0.025
1082002	Soil	2.0	38.2	20.0	108	0.1	29.8	13.8	881	3.45	13.7	1.1	3.0	0.9	21	0.5	1.0	0.3	70	0.23	0.069
1082005	Soil	0.5	27.4	30.4	141	<0.1	18.5	10.9	676	3.61	4.8	1.7	2.2	4.1	30	0.3	0.2	0.5	56	0.61	0.145
1082004	Soil	0.6	27.4	30.5	142	<0.1	17.8	10.8	681	3.61	4.9	1.7	3.9	4.1	31	0.4	0.2	0.5	56	0.58	0.143
1082006	Soil	0.6	27.2	11.8	69	<0.1	12.2	7.4	260	2.16	3.9	0.7	0.6	1.2	14	0.3	0.2	0.1	60	0.17	0.044
1082021	Soil	1.9	37.2	18.0	100	<0.1	28.4	14.7	477	4.17	14.8	0.6	1.4	3.0	26	0.5	0.6	0.3	87	0.23	0.047
1082022	Soil	0.8	20.9	22.7	88	<0.1	17.0	7.3	345	3.06	7.7	0.9	2.3	3.6	15	0.2	0.3	0.8	40	0.19	0.021
1082025	Soil	1.5	30.2	14.4	70	<0.1	23.3	10.3	335	3.57	10.7	1.1	2.7	4.2	22	0.4	0.5	0.3	76	0.19	0.026
1082001	Soil	0.9	34.2	15.1	70	<0.1	38.4	15.4	379	3.11	11.4	0.6	4.8	3.1	14	0.2	0.5	0.2	65	0.16	0.035
1082003	Soil	0.3	11.3	1.9	22	<0.1	3.8	3.2	73	1.01	0.7	0.2	0.6	0.1	9	0.2	0.1	<0.1	33	0.10	0.033



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Part 2

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
		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
1082016	Soil	2	4	0.05	27	0.045	<1	0.51	0.020	0.02	<0.1	0.02	0.4	<0.1	<0.05	2	<0.5
1082017	Soil	10	38	0.50	126	0.080	1	2.99	0.010	0.05	0.2	0.04	2.9	<0.1	<0.05	7	<0.5
1082018	Soil	10	44	0.66	202	0.081	<1	3.13	0.011	0.09	0.1	0.02	3.8	<0.1	<0.05	8	<0.5
1082019	Soil	8	35	0.53	152	0.082	<1	2.44	0.011	0.06	0.1	0.02	3.1	<0.1	<0.05	7	<0.5
1082020	Soil	15	29	0.45	158	0.027	<1	2.22	0.011	0.07	0.1	0.02	2.3	<0.1	<0.05	8	<0.5
1083975	Soil	13	9	0.10	49	0.040	1	0.37	0.014	0.03	<0.1	0.04	0.9	<0.1	0.09	2	<0.5
1083976	Soil	16	33	0.62	143	0.109	1	2.34	0.012	0.09	0.3	0.04	3.5	0.1	<0.05	7	<0.5
1082013	Soil	10	22	0.25	84	0.034	<1	1.76	0.012	0.05	0.1	0.02	1.6	<0.1	<0.05	8	<0.5
1082014	Soil	8	40	0.61	142	0.077	<1	3.36	0.009	0.06	0.1	0.03	3.9	<0.1	<0.05	9	<0.5
1082015	Soil	8	30	0.48	147	0.072	<1	2.37	0.011	0.05	0.1	0.02	2.5	<0.1	<0.05	8	<0.5
1083978	Soil	13	34	0.64	132	0.090	3	2.37	0.015	0.07	1.1	0.04	3.0	0.1	<0.05	6	<0.5
1083983	Soil	8	12	0.13	69	0.037	1	0.62	0.023	0.04	0.1	0.07	1.2	<0.1	0.09	2	<0.5
1083979	Soil	18	27	0.42	108	0.079	<1	1.31	0.019	0.06	0.3	0.03	2.3	<0.1	<0.05	6	<0.5
1083981	Soil	11	32	0.47	92	0.088	1	1.30	0.021	0.06	0.3	0.08	2.3	0.1	0.06	6	0.5
1083980	Soil	8	14	0.20	51	0.050	<1	0.66	0.022	0.03	0.1	0.04	1.2	<0.1	0.06	3	<0.5
1082007	Soil	44	29	0.33	80	0.054	<1	1.31	0.011	0.05	0.2	0.07	1.5	<0.1	<0.05	8	<0.5
1082008	Soil	48	35	0.53	84	0.068	<1	2.10	0.011	0.07	0.5	0.02	2.5	<0.1	<0.05	7	<0.5
1082012	Soil	11	39	0.59	164	0.080	<1	2.58	0.012	0.07	0.3	0.03	3.2	<0.1	<0.05	7	<0.5
1082011	Soil	8	31	0.33	127	0.050	<1	1.93	0.009	0.03	<0.1	0.03	2.2	0.1	<0.05	10	<0.5
1082009	Soil	54	86	1.21	138	0.095	<1	2.47	0.010	0.32	0.7	0.02	5.7	0.2	<0.05	12	<0.5
1082023	Soil	9	28	0.39	149	0.077	<1	1.96	0.011	0.05	0.1	0.02	2.1	<0.1	<0.05	8	<0.5
1082002	Soil	17	36	0.51	145	0.041	<1	2.01	0.012	0.05	0.1	0.06	1.8	<0.1	0.07	7	<0.5
1082005	Soil	57	34	0.91	53	0.015	<1	1.84	0.009	0.07	0.2	0.02	2.9	<0.1	<0.05	12	<0.5
1082004	Soil	56	35	0.92	51	0.015	<1	1.84	0.009	0.07	0.2	0.02	2.8	<0.1	<0.05	12	<0.5
1082006	Soil	21	24	0.32	48	0.071	<1	0.85	0.014	0.04	<0.1	0.03	1.3	<0.1	<0.05	5	<0.5
1082021	Soil	8	40	0.48	216	0.066	<1	2.50	0.011	0.05	0.1	0.01	2.6	<0.1	<0.05	9	<0.5
1082022	Soil	7	21	0.32	108	0.028	<1	2.54	0.012	0.06	0.1	0.01	2.0	<0.1	<0.05	9	<0.5
1082025	Soil	8	32	0.44	158	0.065	<1	2.15	0.011	0.05	0.1	0.01	2.2	<0.1	<0.05	8	<0.5
1082001	Soil	10	44	0.63	91	0.078	<1	2.55	0.010	0.06	0.2	0.04	2.9	<0.1	<0.05	6	<0.5
1082003	Soil	2	5	0.10	18	0.044	<1	0.27	0.013	0.02	<0.1	0.02	0.3	<0.1	<0.05	2	<0.5



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Part 1

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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
1082034	Soil	1.4	24.4	17.7	85	<0.1	27.2	10.9	281	3.73	14.4	0.9	0.7	4.6	16	0.4	0.5	0.4	83	0.16	0.025
1082035	Soil	1.6	30.3	27.6	83	<0.1	15.5	8.7	421	3.44	10.6	1.5	1.8	4.2	18	0.3	0.4	0.5	65	0.19	0.052
1082036	Soil	0.5	27.2	20.9	109	0.1	33.0	12.4	504	3.32	4.8	6.2	1.9	14.4	57	0.2	0.2	0.5	63	0.57	0.113
1046850	Soil	2.1	33.3	33.5	115	<0.1	28.7	11.4	534	3.58	11.9	0.8	2.9	2.2	15	0.5	0.7	0.4	77	0.16	0.038
1046847	Soil	1.1	24.5	47.3	82	<0.1	36.2	14.0	427	2.99	10.5	0.6	8.7	3.6	18	0.3	0.5	0.2	65	0.22	0.042
1082026	Soil	0.6	27.3	13.5	103	<0.1	26.8	10.2	427	3.20	6.5	7.5	4.0	7.0	37	<0.1	0.2	0.3	67	0.48	0.061
1082030	Soil	1.9	26.7	14.4	111	0.1	16.0	12.5	1180	3.27	8.3	0.4	2.1	2.0	19	0.4	0.6	0.3	86	0.18	0.028
1082031	Soil	1.3	33.0	17.8	75	0.2	34.7	13.6	384	3.46	11.5	0.7	2.8	3.6	18	0.5	0.5	0.3	78	0.19	0.025
1082032	Soil	1.1	39.1	15.6	62	0.2	36.4	15.8	323	3.16	10.9	1.5	4.9	9.0	17	0.6	0.5	0.6	74	0.19	0.027
1082033	Soil	2.1	31.6	17.8	71	0.2	22.3	11.2	757	3.65	11.4	1.1	3.1	5.2	15	0.5	0.5	1.0	85	0.14	0.025
1082010	Soil	1.4	17.0	18.4	74	<0.1	17.2	10.7	507	3.50	10.3	1.6	1.4	20.6	12	0.2	0.5	0.4	60	0.15	0.045
1082024	Soil	1.7	25.9	13.0	53	0.1	20.2	8.8	273	3.41	8.8	0.6	3.8	2.4	15	0.3	0.5	0.3	86	0.16	0.021
1082027	Soil	2.0	19.2	14.7	55	<0.1	15.2	6.2	177	3.49	9.1	0.4	1.7	2.2	14	0.2	0.6	0.2	89	0.13	0.023
1082028	Soil	1.7	26.7	21.0	98	0.1	21.2	9.5	362	3.34	8.8	0.6	2.6	2.6	15	0.6	0.6	0.4	84	0.15	0.030
1082029	Soil	1.1	42.5	15.3	92	0.1	36.4	12.6	490	3.63	11.4	0.8	6.2	3.5	25	0.6	0.4	0.3	86	0.26	0.021
1046840	Soil	1.0	27.6	19.6	88	<0.1	25.7	9.5	307	2.48	11.0	1.6	1.0	4.3	12	0.3	0.3	0.1	58	0.18	0.048
1046837	Soil	1.6	28.1	20.3	77	<0.1	31.6	13.7	432	3.11	12.2	0.9	3.3	3.5	15	0.3	0.5	0.2	66	0.19	0.053
1046835	Soil	1.2	30.1	12.2	74	<0.1	52.7	13.3	373	3.03	9.1	0.7	3.0	2.2	15	0.2	0.4	0.2	65	0.18	0.052
1046836	Soil	1.8	57.0	19.1	70	0.2	38.0	11.6	353	4.08	12.9	0.7	2.7	3.4	16	0.3	0.5	0.2	77	0.21	0.050
1046841	Soil	1.0	27.7	20.2	87	<0.1	27.5	9.9	331	2.61	10.9	1.7	1.4	4.4	13	0.3	0.4	0.2	60	0.20	0.050
1086501	Soil	0.9	27.2	18.0	73	<0.1	29.4	12.5	374	2.83	7.6	0.7	6.1	3.5	18	0.4	0.4	0.3	64	0.27	0.053
1046848	Soil	0.9	27.0	132.3	104	<0.1	31.8	13.9	550	2.67	7.8	0.6	2.2	3.3	14	0.4	0.3	0.2	61	0.22	0.035
1046849	Soil	0.7	30.1	61.0	84	<0.1	29.4	12.0	437	2.76	9.0	0.9	3.9	4.9	15	0.4	0.4	0.2	63	0.21	0.022
1086508	Soil	1.5	26.7	15.7	60	<0.1	21.2	8.1	222	3.02	8.6	0.6	2.1	1.4	12	0.2	0.5	0.2	68	0.15	0.035
1086506	Soil	1.2	38.8	8.9	51	<0.1	16.5	8.0	310	2.39	5.6	0.4	0.7	0.8	15	0.2	0.4	0.1	60	0.19	0.053
1086505	Soil	2.7	36.8	18.4	66	<0.1	18.8	6.9	253	2.79	8.1	0.7	5.5	1.6	14	0.3	0.7	0.4	74	0.13	0.038
1086503	Soil	2.7	22.2	15.0	64	0.2	21.6	8.4	266	3.40	9.6	0.6	2.0	1.9	13	0.3	0.8	0.3	93	0.14	0.026
1086507	Soil	1.2	52.2	13.9	54	0.1	14.8	7.7	357	1.81	4.4	0.7	1.0	1.3	14	0.2	0.4	0.2	42	0.16	0.039
1086504	Soil	1.9	29.9	16.8	76	<0.1	26.4	11.2	382	3.44	10.7	0.6	2.4	2.2	15	0.3	0.6	0.2	75	0.16	0.035
1086502	Soil	2.1	24.7	19.0	79	<0.1	29.5	13.2	415	3.43	11.9	0.8	1.8	2.7	13	0.4	0.6	0.2	80	0.16	0.033



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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
1082034	Soil	10	39	0.55	159	0.089	<1	2.33	0.011	0.06	0.1	0.02	3.2	<0.1	<0.05	8	<0.5
1082035	Soil	18	27	0.41	82	0.047	<1	1.89	0.012	0.06	0.1	0.02	2.1	<0.1	<0.05	7	<0.5
1082036	Soil	39	51	1.06	189	0.059	<1	2.19	0.017	0.10	0.1	0.01	5.5	<0.1	<0.05	7	<0.5
1046850	Soil	11	35	0.51	126	0.071	<1	2.09	0.012	0.05	0.1	0.03	2.4	<0.1	<0.05	8	<0.5
1046847	Soil	10	34	0.55	147	0.096	<1	2.24	0.015	0.06	0.2	0.02	2.7	<0.1	<0.05	6	<0.5
1082026	Soil	63	53	0.80	165	0.075	<1	2.41	0.018	0.08	0.1	0.02	6.6	0.1	<0.05	7	<0.5
1082030	Soil	8	27	0.33	190	0.048	<1	1.54	0.010	0.03	0.1	0.01	1.8	0.1	0.06	8	<0.5
1082031	Soil	9	39	0.56	181	0.091	1	2.59	0.013	0.07	0.2	0.02	3.2	0.1	<0.05	7	<0.5
1082032	Soil	8	38	0.54	180	0.090	2	2.69	0.013	0.07	0.2	0.03	3.1	<0.1	<0.05	7	<0.5
1082033	Soil	8	33	0.41	157	0.067	1	2.34	0.010	0.05	0.1	0.02	2.2	0.1	<0.05	9	<0.5
1082010	Soil	18	30	0.41	61	0.052	<1	2.05	0.009	0.08	0.2	0.01	2.1	<0.1	<0.05	8	<0.5
1082024	Soil	8	28	0.38	140	0.073	<1	1.90	0.011	0.05	0.1	0.02	2.0	<0.1	<0.05	8	<0.5
1082027	Soil	7	25	0.30	102	0.059	<1	1.71	0.010	0.04	0.1	<0.01	1.7	<0.1	<0.05	9	<0.5
1082028	Soil	9	33	0.48	149	0.062	<1	2.19	0.012	0.05	<0.1	<0.01	2.3	<0.1	<0.05	8	<0.5
1082029	Soil	9	42	0.67	227	0.099	1	2.79	0.013	0.07	0.1	0.03	3.6	<0.1	<0.05	8	<0.5
1046840	Soil	21	35	0.49	102	0.077	1	1.76	0.010	0.08	0.2	0.02	2.6	<0.1	<0.05	6	<0.5
1046837	Soil	15	38	0.57	117	0.078	2	2.55	0.012	0.06	0.2	0.02	2.5	<0.1	<0.05	7	<0.5
1046835	Soil	9	57	0.75	89	0.081	2	2.43	0.012	0.06	0.2	0.05	2.3	<0.1	<0.05	7	<0.5
1046836	Soil	12	43	0.56	102	0.100	2	2.02	0.011	0.08	0.3	0.02	2.5	<0.1	<0.05	8	<0.5
1046841	Soil	23	37	0.51	109	0.080	<1	1.85	0.010	0.09	0.2	0.01	2.9	<0.1	<0.05	6	<0.5
1086501	Soil	13	39	0.59	124	0.088	2	2.22	0.015	0.06	0.2	0.02	3.0	<0.1	<0.05	6	<0.5
1046848	Soil	10	39	0.59	120	0.088	<1	2.35	0.012	0.06	0.2	0.01	2.7	<0.1	<0.05	6	<0.5
1046849	Soil	17	38	0.60	151	0.097	1	2.23	0.013	0.07	0.2	0.02	3.2	<0.1	<0.05	6	<0.5
1086508	Soil	11	28	0.31	99	0.063	<1	1.61	0.011	0.03	0.1	0.02	1.7	<0.1	<0.05	7	<0.5
1086506	Soil	6	24	0.27	80	0.066	1	1.14	0.018	0.03	0.1	0.02	1.3	<0.1	<0.05	6	<0.5
1086505	Soil	10	23	0.22	74	0.051	1	1.57	0.010	0.03	0.1	0.02	1.4	<0.1	<0.05	8	<0.5
1086503	Soil	9	28	0.32	147	0.057	<1	1.77	0.008	0.03	<0.1	0.02	2.0	<0.1	<0.05	9	<0.5
1086507	Soil	6	21	0.20	53	0.049	<1	0.96	0.023	0.05	0.1	0.02	1.1	<0.1	<0.05	5	<0.5
1086504	Soil	8	35	0.50	119	0.076	<1	2.15	0.012	0.05	0.1	0.02	2.3	<0.1	<0.05	8	<0.5
1086502	Soil	14	38	0.54	131	0.077	2	2.33	0.010	0.05	0.1	0.02	2.4	0.1	<0.05	8	<0.5



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Project: PLU
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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
		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
1086512	Soil	0.8	29.3	16.3	74	<0.1	28.5	13.1	408	2.84	8.2	0.7	3.6	3.2	17	0.2	0.4	0.2	64	0.24
1086518	Soil	0.3	66.2	17.9	74	0.2	71.2	15.3	324	2.79	4.8	1.1	1.8	3.3	48	0.2	0.2	0.3	65	0.45
1086509	Soil	0.6	22.5	30.4	206	<0.1	13.1	10.2	854	2.70	3.2	2.2	2.3	6.2	20	1.7	0.1	0.3	48	0.33
1086514	Soil	0.9	29.7	16.3	74	<0.1	29.5	12.6	398	2.93	7.5	0.7	1.4	3.2	16	0.3	0.3	0.3	61	0.22
1086515	Soil	0.6	21.0	14.5	89	<0.1	16.6	9.0	406	2.58	4.8	1.9	2.6	3.9	18	0.3	0.2	0.2	53	0.32
1046838	Soil	1.3	26.4	13.9	62	<0.1	24.0	10.3	293	2.90	9.1	0.7	2.1	1.5	13	0.2	0.4	0.2	63	0.15
1046842	Soil	1.2	28.1	32.6	79	<0.1	25.7	10.9	365	2.76	10.6	0.9	1.6	3.0	15	0.3	0.5	0.2	61	0.20
1086513	Soil	1.3	26.6	15.5	84	<0.1	31.3	11.6	373	3.37	11.0	0.7	2.9	2.7	13	0.4	0.5	0.2	74	0.18
1086511	Soil	0.7	32.6	16.4	62	0.1	20.8	7.9	234	2.24	5.4	0.8	8.5	2.1	17	0.2	0.3	0.2	53	0.27
1086510	Soil	0.8	36.6	47.0	84	<0.1	28.5	11.9	386	2.47	7.6	0.9	2.6	3.3	13	0.2	0.3	0.2	56	0.22
1046839	Soil	1.4	32.1	45.7	365	<0.1	26.0	12.2	483	3.66	23.3	2.8	3.2	5.7	17	0.3	0.5	0.9	57	0.23
1046844	Soil	0.6	24.5	14.3	89	<0.1	21.5	7.4	252	2.10	29.8	1.8	1.9	4.5	15	0.2	0.3	0.2	50	0.23
1046845	Soil	3.0	20.3	15.9	54	<0.1	19.3	7.1	211	3.14	10.6	0.6	3.1	2.1	18	0.2	0.9	0.3	95	0.16
1046846	Soil	1.9	19.6	17.8	69	0.1	22.8	8.8	233	3.51	11.3	0.5	2.4	2.4	18	0.2	0.7	0.3	88	0.19
1046843	Soil	0.7	24.1	13.3	90	<0.1	20.6	7.1	237	2.07	30.1	1.7	1.2	4.3	18	0.3	0.3	0.2	48	0.25
1086564	Soil	1.6	44.6	12.0	74	0.2	30.7	12.5	383	2.93	11.2	0.5	0.8	2.7	30	0.6	0.4	0.2	71	0.26
1086566	Soil	3.6	48.2	15.6	115	0.7	36.4	14.5	429	4.87	222.8	0.8	4.2	3.1	17	0.7	1.4	0.4	100	0.18
1086572	Soil	1.1	22.7	16.8	68	0.2	22.5	9.4	303	3.32	19.2	0.6	2.5	2.2	21	0.6	0.4	0.5	81	0.23
1086567	Soil	1.6	28.8	13.8	153	0.2	30.4	14.7	484	3.59	14.9	0.7	1.4	3.4	25	0.4	0.5	0.3	88	0.29
1086569	Soil	1.3	18.1	17.8	89	<0.1	26.5	12.5	664	2.98	23.2	0.6	4.1	2.7	26	0.5	0.3	0.4	75	0.34
1086557	Soil	1.2	36.6	11.0	68	0.1	37.9	15.3	323	3.36	28.1	0.6	7.5	2.8	16	0.3	0.5	0.2	77	0.19
1086562	Soil	1.6	25.1	16.8	72	<0.1	27.4	10.6	254	3.58	14.8	0.8	1.8	3.4	17	0.3	0.6	0.3	82	0.18
1086563	Soil	0.7	21.8	6.2	28	0.1	7.5	4.8	164	1.44	5.8	0.3	<0.5	0.7	17	0.3	0.2	0.2	46	0.21
1086561	Soil	1.0	29.9	18.1	77	0.1	28.4	10.8	408	3.05	11.9	0.8	10.2	2.7	20	0.4	0.4	0.4	65	0.24
1086565	Soil	1.8	33.5	13.4	52	0.2	24.6	9.8	195	3.74	17.7	0.5	3.9	2.4	16	0.3	0.6	0.2	74	0.17
1086516	Soil	2.7	21.5	17.0	70	0.1	21.0	7.5	373	3.58	12.0	0.6	1.7	1.3	10	0.2	0.7	0.3	94	0.10
1086517	Soil	0.9	27.3	19.1	81	<0.1	27.3	10.2	414	2.78	9.5	1.2	4.2	4.1	10	0.3	0.4	0.2	56	0.13
1086559	Soil	1.8	20.9	17.2	79	0.2	26.0	9.8	220	3.84	15.9	0.6	4.3	1.9	16	0.2	0.6	0.2	82	0.19
1086558	Soil	1.0	28.3	12.6	74	0.2	62.9	14.3	359	3.44	19.3	0.5	1.7	2.5	18	0.2	0.4	0.2	74	0.21
1086560	Soil	1.7	21.7	19.7	100	<0.1	24.1	10.1	460	3.84	14.4	0.6	2.4	2.1	11	0.4	0.6	0.3	72	0.14



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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
		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
1086512	Soil	16	41	0.59	93	0.096	1	2.31	0.017	0.07	0.2	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1086518	Soil	15	120	1.21	132	0.109	<1	2.22	0.020	0.13	0.2	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
1086509	Soil	60	19	0.45	115	0.060	<1	1.43	0.012	0.25	0.2	<0.01	2.6	0.1	<0.05	9	<0.5	<0.2
1086514	Soil	18	43	0.54	81	0.073	<1	2.00	0.015	0.06	0.1	<0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
1086515	Soil	38	25	0.49	73	0.062	<1	1.52	0.011	0.16	<0.1	<0.01	2.6	<0.1	<0.05	7	<0.5	<0.2
1046838	Soil	9	27	0.40	94	0.077	1	1.88	0.012	0.05	0.1	0.04	1.7	<0.1	<0.05	7	<0.5	<0.2
1046842	Soil	18	36	0.48	97	0.082	1	2.17	0.012	0.07	0.1	<0.01	2.5	<0.1	<0.05	7	<0.5	<0.2
1086513	Soil	14	37	0.56	111	0.082	1	2.33	0.011	0.07	0.1	0.03	2.4	<0.1	<0.05	8	<0.5	<0.2
1086511	Soil	15	32	0.48	73	0.075	<1	1.67	0.018	0.06	0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
1086510	Soil	27	38	0.50	85	0.083	<1	2.16	0.016	0.06	0.2	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
1046839	Soil	95	40	0.46	88	0.012	<1	2.56	0.008	0.06	0.1	0.02	2.0	0.1	<0.05	15	<0.5	0.7
1046844	Soil	28	32	0.43	83	0.059	<1	1.38	0.011	0.08	0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
1046845	Soil	10	31	0.34	142	0.072	<1	1.94	0.009	0.04	<0.1	0.03	2.6	0.2	<0.05	10	<0.5	<0.2
1046846	Soil	10	37	0.45	169	0.072	<1	2.17	0.009	0.04	<0.1	0.02	2.7	0.2	<0.05	9	<0.5	<0.2
1046843	Soil	28	31	0.41	86	0.068	1	1.42	0.010	0.08	0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1086564	Soil	9	33	0.52	175	0.093	<1	1.83	0.018	0.08	0.1	0.01	3.1	0.1	<0.05	7	<0.5	<0.2
1086566	Soil	11	46	0.58	102	0.057	<1	2.46	0.009	0.09	0.3	0.04	3.2	0.2	<0.05	10	0.7	<0.2
1086572	Soil	11	33	0.53	104	0.086	1	2.00	0.011	0.10	0.2	0.03	2.7	<0.1	<0.05	8	<0.5	<0.2
1086567	Soil	10	43	0.66	249	0.097	1	2.79	0.012	0.10	0.2	0.02	3.7	0.1	<0.05	9	<0.5	<0.2
1086569	Soil	12	38	0.68	108	0.104	2	1.80	0.016	0.10	0.2	0.02	3.0	<0.1	<0.05	8	<0.5	<0.2
1086557	Soil	9	43	0.68	129	0.108	<1	2.57	0.011	0.08	0.2	0.03	3.3	<0.1	<0.05	7	<0.5	<0.2
1086562	Soil	10	40	0.56	112	0.092	1	2.46	0.010	0.06	0.1	0.03	3.4	0.1	<0.05	9	<0.5	<0.2
1086563	Soil	6	11	0.15	41	0.058	<1	0.57	0.019	0.04	0.1	<0.01	0.9	<0.1	<0.05	3	<0.5	<0.2
1086561	Soil	10	36	0.61	124	0.070	1	2.29	0.011	0.08	0.2	0.03	2.9	<0.1	<0.05	7	<0.5	<0.2
1086565	Soil	8	33	0.34	189	0.068	2	2.32	0.009	0.04	0.2	0.01	2.1	<0.1	<0.05	8	<0.5	<0.2
1086516	Soil	9	29	0.29	118	0.059	2	1.66	0.006	0.04	0.1	0.02	1.7	<0.1	<0.05	10	<0.5	<0.2
1086517	Soil	19	37	0.43	83	0.065	<1	2.10	0.009	0.07	0.2	0.04	2.1	0.1	<0.05	6	<0.5	<0.2
1086559	Soil	7	36	0.45	112	0.067	2	2.21	0.007	0.05	0.2	0.02	2.3	0.1	<0.05	9	0.6	<0.2
1086558	Soil	10	80	0.96	164	0.094	1	2.40	0.009	0.09	0.2	0.01	2.8	0.1	<0.05	7	0.6	<0.2
1086560	Soil	9	32	0.39	91	0.070	2	2.09	0.008	0.05	0.2	0.05	1.8	<0.1	<0.05	8	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000710.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1082181	Soil	0.6	24.2	17.7	81	0.3	15.6	7.7	376	2.55	7.6	4.2	3.7	18.1	35	<0.1	0.2	0.7	44	0.39	0.061
REP 1082181	QC	0.7	22.2	17.2	74	0.3	15.6	7.3	353	2.37	7.2	4.1	1.8	17.1	33	0.1	0.3	0.6	42	0.38	0.059
1082161	Soil	1.2	12.7	12.6	77	<0.1	12.7	6.6	364	2.46	6.9	0.8	2.8	5.0	38	0.3	0.3	0.3	60	0.21	0.035
REP 1082161	QC	1.2	13.1	13.0	78	<0.1	12.8	6.6	362	2.43	7.0	0.9	2.4	5.0	38	0.3	0.3	0.3	59	0.22	0.034
1082163	Soil	0.7	11.5	12.9	56	<0.1	10.3	7.1	419	1.95	4.6	1.2	1.6	5.2	66	0.3	0.2	0.8	51	0.19	0.038
REP 1082163	QC	0.7	11.6	12.8	57	<0.1	10.0	7.0	413	1.92	4.6	1.1	1.1	4.8	65	0.3	0.2	0.8	51	0.18	0.038
1082164	Soil	0.7	14.4	13.0	92	<0.1	16.1	9.6	645	2.28	6.0	1.2	1.3	6.5	73	0.3	0.3	0.3	52	0.26	0.049
REP 1082164	QC	0.8	14.6	13.3	89	0.1	15.6	9.7	681	2.31	6.1	1.2	1.6	6.7	74	0.2	0.2	0.3	52	0.28	0.049
1082102	Soil	1.1	38.8	11.5	76	0.1	30.3	17.6	606	3.62	16.1	0.6	8.7	2.4	18	0.3	0.5	0.3	73	0.19	0.052
REP 1082102	QC	1.0	39.4	11.0	75	<0.1	30.5	17.9	606	3.59	15.5	0.5	5.7	2.5	18	0.2	0.5	0.3	72	0.19	0.052
1086975	Soil	0.7	23.8	26.0	65	<0.1	25.8	12.1	455	3.02	15.0	0.8	1.9	5.7	13	0.2	0.4	0.2	66	0.17	0.025
REP 1086975	QC	0.6	25.1	26.2	67	<0.1	26.5	12.5	461	3.00	15.2	0.8	2.0	5.9	13	0.2	0.4	0.2	66	0.17	0.025
1086987	Soil	0.6	17.5	20.3	73	<0.1	19.6	9.6	490	2.65	6.3	1.0	3.9	6.0	16	0.2	0.4	0.2	59	0.18	0.017
REP 1086987	QC	0.6	18.1	20.0	75	<0.1	20.3	9.5	510	2.74	7.0	0.9	3.2	5.8	17	0.2	0.4	0.2	59	0.18	0.018
1086528	Soil	1.4	32.2	18.0	92	0.2	28.3	13.9	886	3.27	12.2	1.7	4.3	1.4	26	0.4	0.9	0.3	67	0.27	0.085
REP 1086528	QC	1.4	31.6	17.6	88	0.1	27.9	13.4	868	3.22	11.8	1.7	4.0	1.4	25	0.5	0.8	0.2	63	0.27	0.086
1086520	Soil	1.4	28.3	12.6	102	<0.1	28.5	12.1	511	3.15	11.3	0.7	0.9	2.6	15	0.3	0.7	0.3	69	0.17	0.035
REP 1086520	QC	1.3	29.3	12.6	99	<0.1	28.7	12.8	526	3.34	11.2	0.7	3.0	2.6	15	0.3	0.7	0.3	69	0.17	0.035
1083971	Soil	1.9	31.2	40.3	106	<0.1	26.7	12.3	566	3.51	24.6	1.3	6.5	8.2	33	0.5	0.5	0.4	68	0.21	0.039
REP 1083971	QC	2.0	31.3	40.4	114	<0.1	25.3	11.8	565	3.48	24.6	1.3	6.0	8.2	33	0.4	0.4	0.3	65	0.21	0.037
1082012	Soil	1.0	29.8	15.7	72	<0.1	35.3	13.7	325	3.40	13.2	0.9	2.7	5.4	16	0.4	0.5	0.3	69	0.16	0.025
REP 1082012	QC	1.1	30.0	15.7	72	<0.1	34.5	13.6	328	3.39	13.2	0.9	2.1	5.5	17	0.3	0.5	0.3	70	0.17	0.024
1082022	Soil	0.8	20.9	22.7	88	<0.1	17.0	7.3	345	3.06	7.7	0.9	2.3	3.6	15	0.2	0.3	0.8	40	0.19	0.021
REP 1082022	QC	0.8	21.0	23.1	87	<0.1	16.7	7.3	345	3.07	7.7	0.9	1.7	3.7	15	0.2	0.3	0.8	40	0.19	0.021
1082010	Soil	1.4	17.0	18.4	74	<0.1	17.2	10.7	507	3.50	10.3	1.6	1.4	20.6	12	0.2	0.5	0.4	60	0.15	0.045
REP 1082010	QC	1.4	17.3	18.2	74	<0.1	17.1	10.9	507	3.50	9.3	1.7	1.7	20.4	12	0.2	0.4	0.4	60	0.15	0.046
1086510	Soil	0.8	36.6	47.0	84	<0.1	28.5	11.9	386	2.47	7.6	0.9	2.6	3.3	13	0.2	0.3	0.2	56	0.22	0.031
REP 1086510	QC	0.8	36.6	48.0	82	<0.1	28.7	11.7	372	2.42	7.5	0.9	2.2	3.5	12	0.2	0.3	0.2	55	0.21	0.030



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Report Date:

August 07, 2011

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Part 2

QUALITY CONTROL REPORT

WHI11000710.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1082181	Soil	23	29	0.49	128	0.056	<1	1.75	0.017	0.11	0.3	0.03	3.8	0.1	<0.05	7	<0.5	<0.2
REP 1082181	QC	22	27	0.46	117	0.054	<1	1.63	0.015	0.11	0.3	0.04	3.6	0.1	<0.05	7	0.6	<0.2
1082161	Soil	12	25	0.38	66	0.068	1	1.19	0.014	0.07	0.2	0.01	1.9	<0.1	<0.05	7	0.6	<0.2
REP 1082161	QC	11	25	0.38	67	0.068	<1	1.18	0.013	0.07	0.2	0.03	2.0	<0.1	<0.05	7	0.8	<0.2
1082163	Soil	12	20	0.31	64	0.060	<1	1.07	0.016	0.06	0.2	0.02	1.4	<0.1	<0.05	6	<0.5	<0.2
REP 1082163	QC	12	20	0.29	61	0.061	1	1.02	0.016	0.06	0.3	0.01	1.5	<0.1	<0.05	6	<0.5	<0.2
1082164	Soil	18	27	0.41	108	0.061	1	1.66	0.018	0.08	0.2	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
REP 1082164	QC	18	27	0.42	111	0.056	<1	1.65	0.020	0.08	0.2	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
1082102	Soil	9	52	0.83	103	0.085	<1	2.19	0.014	0.13	0.2	0.02	4.0	0.2	<0.05	6	<0.5	<0.2
REP 1082102	QC	9	52	0.81	102	0.086	<1	2.18	0.014	0.13	0.2	0.03	4.0	0.2	<0.05	6	<0.5	<0.2
1086975	Soil	11	40	0.68	130	0.083	<1	2.45	0.013	0.06	0.2	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
REP 1086975	QC	11	40	0.67	130	0.083	<1	2.46	0.012	0.07	0.2	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
1086987	Soil	20	32	0.63	101	0.095	<1	1.69	0.011	0.06	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
REP 1086987	QC	20	33	0.64	105	0.097	1	1.73	0.011	0.06	0.2	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
1086528	Soil	56	34	0.64	122	0.047	<1	2.11	0.014	0.06	0.1	0.06	2.6	0.1	0.08	7	0.9	<0.2
REP 1086528	QC	55	34	0.63	118	0.045	1	2.08	0.014	0.06	<0.1	0.06	2.5	0.1	0.07	7	<0.5	<0.2
1086520	Soil	11	38	0.65	107	0.077	2	2.13	0.010	0.07	0.2	0.04	2.7	<0.1	<0.05	8	0.8	<0.2
REP 1086520	QC	10	38	0.66	108	0.075	3	2.19	0.010	0.06	0.1	0.05	2.9	<0.1	<0.05	8	<0.5	<0.2
1083971	Soil	26	33	0.58	115	0.068	1	2.29	0.012	0.06	0.3	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
REP 1083971	QC	26	31	0.58	113	0.064	1	2.22	0.011	0.06	0.3	0.01	3.1	0.1	<0.05	6	<0.5	<0.2
1082012	Soil	11	39	0.59	164	0.080	<1	2.58	0.012	0.07	0.3	0.03	3.2	<0.1	<0.05	7	<0.5	<0.2
REP 1082012	QC	12	39	0.60	160	0.083	<1	2.61	0.012	0.07	0.2	0.02	3.4	<0.1	<0.05	7	<0.5	<0.2
1082022	Soil	7	21	0.32	108	0.028	<1	2.54	0.012	0.06	0.1	0.01	2.0	<0.1	<0.05	9	<0.5	<0.2
REP 1082022	QC	7	22	0.32	111	0.029	<1	2.54	0.013	0.06	0.1	0.01	2.0	<0.1	<0.05	8	<0.5	<0.2
1082010	Soil	18	30	0.41	61	0.052	<1	2.05	0.009	0.08	0.2	0.01	2.1	<0.1	<0.05	8	<0.5	<0.2
REP 1082010	QC	18	31	0.42	61	0.052	<1	2.03	0.009	0.08	0.2	0.01	2.0	<0.1	<0.05	8	<0.5	<0.2
1086510	Soil	27	38	0.50	85	0.083	<1	2.16	0.016	0.06	0.2	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
REP 1086510	QC	28	37	0.48	87	0.080	<1	2.14	0.015	0.06	0.2	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000710.1

		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
1086517	Soil	0.9	27.3	19.1	81	<0.1	27.3	10.2	414	2.78	9.5	1.2	4.2	4.1	10	0.3	0.4	0.2	56	0.13	0.033
REP 1086517	QC	1.1	26.7	18.9	79	<0.1	28.3	10.1	415	2.83	9.3	1.2	3.2	4.2	10	0.2	0.4	0.2	56	0.13	0.033
Reference Materials																					
STD DS8	Standard	11.9	100.3	117.2	290	1.6	34.5	6.9	569	2.30	24.9	2.4	107.1	6.3	60	2.1	4.8	5.8	38	0.62	0.075
STD DS8	Standard	11.5	99.4	130.4	298	1.8	34.6	6.8	609	2.34	25.7	2.8	101.4	7.0	68	2.4	5.5	7.2	38	0.68	0.080
STD DS8	Standard	13.0	108.6	107.1	308	1.8	36.3	7.6	609	2.38	27.7	2.5	109.0	6.2	62	2.3	5.3	6.0	44	0.68	0.082
STD DS8	Standard	12.6	105.3	106.4	298	1.8	34.9	7.2	584	2.38	25.8	2.4	108.7	6.1	60	2.3	5.0	5.9	40	0.66	0.075
STD DS8	Standard	13.2	109.3	115.5	313	1.8	37.3	7.3	590	2.40	26.2	2.6	107.3	6.4	67	2.2	5.8	6.5	41	0.67	0.079
STD DS8	Standard	13.0	109.7	127.8	317	1.8	37.5	7.6	608	2.46	27.8	2.8	126.9	7.1	63	2.3	5.3	7.1	43	0.66	0.083
STD DS8	Standard	13.4	113.6	132.0	322	1.7	39.4	7.9	623	2.58	26.9	2.8	103.0	6.8	59	2.5	5.5	6.4	44	0.69	0.081
STD DS8	Standard	13.0	109.5	127.7	308	1.8	36.5	7.5	586	2.35	26.3	2.7	114.7	7.0	57	2.2	4.9	5.6	41	0.65	0.076
STD DS8	Standard	11.9	108.3	128.3	309	1.9	37.4	7.4	578	2.38	25.9	2.7	116.1	6.3	50	2.4	4.5	5.1	40	0.63	0.076
STD DS8	Standard	12.5	103.4	124.7	303	1.8	34.9	6.9	592	2.37	26.1	2.6	112.7	6.6	63	2.5	5.1	6.4	40	0.64	0.078
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	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
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

WHI11000710.1

		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
1086517	Soil	19	37	0.43	83	0.065	<1	2.10	0.009	0.07	0.2	0.04	2.1	0.1	<0.05	6	<0.5	<0.2
REP 1086517	QC	19	37	0.43	83	0.066	1	2.11	0.010	0.07	0.3	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	13	105	0.52	259	0.099	1	0.81	0.081	0.38	3.0	0.18	1.9	5.1	0.13	4	5.2	5.1
STD DS8	Standard	14	106	0.57	267	0.109	3	0.88	0.094	0.43	2.8	0.20	2.1	5.3	0.14	5	5.7	5.2
STD DS8	Standard	14	117	0.60	283	0.110	2	0.92	0.096	0.44	3.1	0.19	2.1	5.3	0.19	5	5.5	5.0
STD DS8	Standard	14	112	0.58	270	0.105	1	0.89	0.086	0.39	3.0	0.20	2.1	5.2	0.13	4	4.8	5.0
STD DS8	Standard	14	112	0.59	275	0.122	3	0.87	0.084	0.41	2.9	0.20	2.1	5.3	0.13	5	6.3	4.9
STD DS8	Standard	13	117	0.61	271	0.108	2	0.87	0.080	0.41	3.1	0.21	2.0	5.4	0.18	5	5.3	5.3
STD DS8	Standard	13	120	0.60	266	0.105	3	0.95	0.077	0.41	3.1	0.22	2.0	5.8	0.17	5	5.3	4.8
STD DS8	Standard	13	112	0.58	269	0.105	3	0.87	0.081	0.40	2.9	0.19	1.9	5.5	0.17	5	5.3	5.2
STD DS8	Standard	11	113	0.52	257	0.103	3	0.83	0.080	0.40	2.8	0.20	1.9	5.3	0.14	4	5.3	4.7
STD DS8	Standard	14	109	0.60	278	0.108	2	0.86	0.080	0.40	3.0	0.20	2.1	5.3	0.18	5	5.3	5.0
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	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	<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



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Submitted By: Mike Skead

Receiving Lab: Canada-Whitehorse

Received: July 15, 2011

Report Date: August 04, 2011

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CERTIFICATE OF ANALYSIS

WHI11000711.1

CLIENT JOB INFORMATION

Project: PLU
Shipment ID:
P.O. Number
Number of Samples: 276

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: Ryan Gold Corp.
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Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	276	Dry at 60C			VAN
SS80	276	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	276	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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Part 1

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	0.1	2	0.01
1082087	Soil	0.2	8.4	1.5	24	<0.1	3.2	4.7	98	1.65	1.0	0.2	0.6	0.3	13	<0.1	<0.1	<0.1	58	0.22	0.060
1086574	Soil	1.3	27.1	15.4	76	0.1	31.4	14.6	739	3.24	31.4	0.7	13.0	3.8	26	0.4	0.5	0.4	85	0.31	0.043
1082084	Soil	0.9	29.5	23.9	101	<0.1	58.3	10.9	425	2.74	11.2	0.8	3.0	3.5	18	0.2	0.5	0.2	62	0.25	0.044
1086555	Soil	1.3	33.6	16.9	89	<0.1	39.5	16.2	407	3.40	16.4	0.6	4.1	3.2	15	0.4	0.6	0.2	75	0.20	0.038
1086554	Soil	1.8	25.3	15.0	94	0.1	31.4	13.7	399	3.98	15.4	0.5	3.0	2.3	14	0.3	0.7	0.2	87	0.16	0.039
1086577	Soil	0.7	11.8	8.0	31	<0.1	8.7	4.9	183	1.63	6.0	0.4	4.2	1.6	11	0.2	0.2	0.1	46	0.11	0.027
1086575	Soil	0.8	30.5	13.7	68	0.3	27.6	8.5	256	2.79	22.0	0.9	5.1	2.4	40	0.2	0.3	0.3	66	0.54	0.047
1086573	Soil	0.9	28.2	17.4	71	<0.1	33.0	13.0	340	3.24	30.2	0.7	4.3	4.6	24	0.2	0.4	0.3	79	0.30	0.024
1082085	Soil	1.7	26.3	22.5	111	0.1	108.5	13.4	311	3.61	14.0	0.7	1.4	3.3	21	0.3	0.5	0.2	88	0.22	0.032
1086553	Soil	1.8	31.7	24.0	110	<0.1	33.7	14.4	623	3.71	12.2	0.9	2.1	4.1	18	0.4	0.6	0.3	85	0.23	0.038
1086568	Soil	1.4	28.8	18.4	78	0.2	31.5	14.1	560	3.61	18.4	0.6	3.9	3.4	23	0.3	0.5	0.2	82	0.26	0.030
1086570	Soil	1.0	19.0	17.2	54	0.3	15.0	7.9	593	2.11	15.3	0.4	5.1	1.1	20	0.3	0.4	0.2	58	0.23	0.039
1082088	Soil	1.0	30.7	41.7	157	0.1	25.6	14.6	705	3.48	15.5	1.3	2.3	7.2	23	0.3	0.4	0.4	69	0.44	0.064
1086576	Soil	0.8	13.1	9.2	36	<0.1	10.1	5.0	164	1.77	6.3	0.5	2.2	1.6	13	0.2	0.2	0.2	51	0.12	0.028
1086571	Soil	1.0	16.3	18.0	74	<0.1	29.3	12.7	473	2.72	15.4	0.5	1.7	2.5	19	0.4	0.3	0.3	66	0.24	0.037
1001885	Soil	2.7	32.6	14.5	65	0.1	20.8	9.3	484	3.26	11.4	0.7	4.9	0.6	16	0.3	0.9	0.3	98	0.15	0.058
1001896	Soil	0.9	28.9	11.8	71	<0.1	36.2	14.0	596	3.17	10.3	1.1	1.6	5.6	19	0.3	0.5	0.2	69	0.25	0.037
1001891	Soil	1.1	97.4	23.1	78	0.5	13.9	12.8	628	3.78	8.3	1.4	2.1	2.0	79	0.3	0.3	0.2	43	1.50	0.128
1001888	Soil	15.9	157.2	63.6	1060	1.3	82.3	14.0	1654	3.53	52.6	5.3	3.0	0.9	31	10.5	1.0	0.3	182	0.51	0.188
1001886	Soil	2.8	39.6	34.4	129	0.3	35.2	12.4	473	3.90	38.9	1.0	6.0	1.7	15	0.3	0.9	0.2	88	0.15	0.050
1082083	Soil	1.2	36.7	27.9	84	0.1	36.9	13.8	583	3.05	13.5	1.0	6.3	4.9	18	0.4	0.4	0.2	65	0.22	0.052
1001898	Soil	1.3	26.4	16.1	75	<0.1	32.6	13.3	426	3.27	11.4	1.3	0.9	13.3	18	0.3	0.5	0.2	70	0.18	0.030
1001887	Soil	2.8	41.0	15.1	70	0.4	31.7	11.0	358	3.33	15.1	0.8	2.4	0.3	22	0.3	1.0	0.3	91	0.22	0.098
1001892	Soil	2.8	44.6	26.3	82	0.1	23.9	11.4	446	4.13	11.7	1.1	2.7	2.9	28	0.3	0.7	0.4	86	0.28	0.063
1001889	Soil	4.3	87.2	32.5	119	0.6	30.3	11.0	685	3.43	16.8	1.5	3.6	0.5	35	1.0	0.7	0.3	154	0.43	0.121
1086556	Soil	0.7	37.8	8.4	56	<0.1	37.2	14.9	344	3.13	11.1	0.5	1.9	3.1	23	0.3	0.4	0.1	72	0.33	0.041
1086551	Soil	1.0	34.0	15.9	79	0.2	40.9	14.9	393	3.30	28.2	0.9	2.7	5.3	19	0.3	0.4	0.2	76	0.25	0.035
1082086	Soil	1.4	25.3	14.0	72	<0.1	34.5	13.9	404	3.92	10.5	0.6	9.8	2.9	95	0.2	0.5	0.2	85	0.48	0.063
1086552	Soil	1.3	43.5	17.4	91	0.3	36.5	13.7	482	3.29	12.3	1.0	51.6	4.1	25	0.3	0.5	0.9	93	0.32	0.044
1082082	Soil	2.1	27.8	19.3	61	0.2	21.6	8.2	193	3.33	9.8	0.7	2.8	2.4	17	0.3	0.7	0.3	90	0.17	0.030



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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
1082087	Soil	4	6	0.07	27	0.075	1	0.38	0.031	0.03	<0.1	<0.01	0.5	<0.1	<0.05	3	<0.5	<0.2
1086574	Soil	12	45	0.64	163	0.084	2	2.20	0.014	0.11	0.3	0.04	3.5	<0.1	<0.05	8	0.7	<0.2
1082084	Soil	21	75	0.75	89	0.096	2	1.90	0.012	0.09	0.3	0.03	2.8	<0.1	<0.05	7	0.7	<0.2
1086555	Soil	10	44	0.65	133	0.091	3	2.72	0.012	0.07	0.2	0.03	3.4	<0.1	<0.05	7	0.7	<0.2
1086554	Soil	9	43	0.56	115	0.081	2	2.48	0.009	0.05	0.1	0.04	2.9	<0.1	<0.05	9	<0.5	<0.2
1086577	Soil	6	13	0.16	51	0.052	1	0.92	0.019	0.05	0.2	<0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1086575	Soil	14	43	0.70	153	0.080	2	2.14	0.021	0.12	0.2	0.03	3.5	0.1	<0.05	8	0.6	<0.2
1086573	Soil	9	53	0.76	120	0.087	1	2.31	0.013	0.10	0.2	0.01	3.4	<0.1	<0.05	7	<0.5	<0.2
1082085	Soil	12	158	1.33	111	0.125	2	2.24	0.011	0.11	0.3	0.03	3.8	0.3	<0.05	11	<0.5	<0.2
1086553	Soil	13	38	0.61	127	0.086	2	2.41	0.012	0.08	0.1	0.04	3.4	<0.1	<0.05	8	0.5	<0.2
1086568	Soil	11	42	0.63	189	0.099	2	2.42	0.014	0.10	0.2	0.02	3.5	<0.1	<0.05	9	<0.5	<0.2
1086570	Soil	6	22	0.27	124	0.059	<1	1.07	0.016	0.05	0.1	0.03	1.6	<0.1	<0.05	5	0.5	<0.2
1082088	Soil	43	40	0.80	101	0.068	1	2.32	0.011	0.08	0.2	0.01	4.6	0.1	<0.05	10	0.8	<0.2
1086576	Soil	7	14	0.16	56	0.053	2	0.94	0.017	0.05	0.2	0.01	1.2	<0.1	<0.05	5	<0.5	<0.2
1086571	Soil	8	34	0.54	114	0.086	1	1.84	0.017	0.08	0.2	0.01	2.6	<0.1	<0.05	7	0.6	<0.2
1001885	Soil	9	34	0.38	104	0.058	<1	1.55	0.010	0.06	<0.1	0.06	1.9	0.1	<0.05	9	0.6	<0.2
1001896	Soil	13	43	0.76	149	0.107	2	2.67	0.017	0.09	0.2	0.03	4.2	<0.1	<0.05	7	<0.5	<0.2
1001891	Soil	17	14	0.64	220	0.184	2	1.32	0.017	0.20	0.1	0.05	3.6	0.2	0.09	6	0.9	<0.2
1001888	Soil	13	45	0.54	144	0.035	2	1.59	0.011	0.05	0.3	0.05	2.4	<0.1	0.05	7	2.7	<0.2
1001886	Soil	10	45	0.57	81	0.078	1	2.00	0.009	0.06	0.2	0.07	3.1	0.1	<0.05	8	0.5	<0.2
1082083	Soil	16	47	0.64	106	0.091	3	2.81	0.013	0.09	0.3	0.03	3.3	<0.1	<0.05	7	0.9	<0.2
1001898	Soil	15	40	0.57	120	0.106	2	2.64	0.012	0.08	0.2	0.03	3.6	<0.1	<0.05	7	<0.5	<0.2
1001887	Soil	9	52	0.44	88	0.062	1	1.33	0.010	0.05	0.1	0.07	1.8	<0.1	0.07	8	0.6	<0.2
1001892	Soil	18	34	0.57	128	0.088	<1	1.96	0.011	0.08	0.3	0.04	3.2	0.2	<0.05	9	<0.5	<0.2
1001889	Soil	12	46	0.57	136	0.041	2	1.46	0.011	0.06	0.2	0.03	2.4	<0.1	0.05	8	0.9	<0.2
1086556	Soil	9	44	0.72	135	0.121	2	2.78	0.018	0.07	0.1	0.02	4.1	<0.1	<0.05	6	0.6	<0.2
1086551	Soil	12	46	0.69	154	0.125	2	3.16	0.015	0.10	0.2	0.03	4.2	<0.1	<0.05	7	<0.5	<0.2
1082086	Soil	12	44	0.80	174	0.198	1	2.30	0.018	0.07	0.3	0.01	3.8	<0.1	<0.05	9	<0.5	<0.2
1086552	Soil	19	44	0.70	153	0.130	2	2.38	0.018	0.09	0.6	0.03	4.3	0.2	<0.05	8	<0.5	<0.2
1082082	Soil	10	33	0.34	80	0.069	<1	1.83	0.008	0.04	0.2	0.04	2.6	<0.1	<0.05	8	0.5	<0.2



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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
1001895	Soil	1.5	33.2	39.3	83	<0.1	32.0	13.0	790	3.24	10.6	1.1	5.1	5.8	22	0.3	0.4	0.3	69	0.24
1001894	Soil	3.1	21.1	14.6	69	<0.1	18.0	8.5	305	4.17	10.3	0.7	1.7	5.1	16	0.2	0.9	0.4	100	0.14
1045591	Soil	1.1	32.6	27.0	104	<0.1	28.8	12.5	517	3.15	10.3	2.0	1.4	11.4	17	0.3	0.5	0.3	65	0.21
1045587	Soil	1.3	28.0	13.2	67	<0.1	32.5	14.3	403	3.60	11.2	0.9	0.7	7.3	21	0.2	0.5	0.2	84	0.23
1080002	Soil	0.6	26.2	63.9	253	<0.1	11.3	8.9	855	2.64	5.1	1.7	<0.5	50.2	57	0.4	0.2	0.9	22	0.10
1001897	Soil	0.8	27.9	18.0	78	<0.1	33.0	15.0	555	3.24	9.8	1.2	2.6	10.7	18	0.2	0.4	0.3	73	0.23
1045589	Soil	0.8	29.0	11.4	59	<0.1	32.1	13.4	443	3.39	9.9	1.0	1.7	4.6	25	0.2	0.4	0.2	64	0.26
1045592	Soil	0.8	27.0	20.2	73	<0.1	29.1	13.1	415	3.59	10.6	1.5	0.7	6.2	18	0.2	0.5	0.3	71	0.20
1080001	Soil	1.4	26.3	24.1	82	<0.1	24.8	9.9	509	4.36	13.2	1.5	2.4	23.9	73	0.2	0.6	0.3	70	0.15
1001899	Soil	1.2	32.9	17.9	71	<0.1	37.2	14.7	633	3.78	12.3	1.0	2.5	5.1	22	0.3	0.6	0.3	73	0.24
1001890	Soil	1.8	241.4	156.6	295	2.3	81.8	25.7	859	5.23	61.8	1.7	2.0	4.4	81	2.6	0.6	1.3	99	0.93
1001893	Soil	0.8	22.0	9.3	30	0.2	7.2	4.2	146	1.67	2.4	0.6	1.1	0.9	17	0.3	0.2	0.1	48	0.15
1080003	Soil	1.9	28.9	20.1	67	<0.1	15.0	9.9	707	3.14	8.6	1.6	1.2	30.5	22	0.2	0.4	0.3	63	0.16
1045597	Soil	0.7	24.5	14.8	67	<0.1	30.4	10.9	557	3.31	9.4	3.4	7.4	19.0	28	0.3	0.4	0.2	64	0.22
1045594	Soil	1.1	25.1	18.5	112	<0.1	29.5	12.8	603	3.67	10.7	1.7	0.8	8.3	19	0.3	0.5	0.4	64	0.22
1080058	Soil	0.9	90.3	38.8	125	1.0	51.4	19.3	501	4.21	137.9	1.3	25.6	2.9	69	0.8	1.0	2.6	64	1.12
1082200	Soil	1.1	36.9	32.7	98	0.2	35.9	15.8	507	3.78	46.0	0.8	15.5	2.6	19	0.4	0.5	0.4	73	0.21
1080061	Soil	2.2	53.4	15.7	69	0.2	26.9	9.3	222	4.14	24.3	0.7	22.6	2.2	16	0.2	0.7	3.2	95	0.14
1080072	Soil	2.3	152.2	26.6	128	0.4	102.5	40.9	1353	5.49	79.9	3.0	23.9	2.4	24	0.4	1.2	0.6	85	0.21
1080059	Soil	0.9	71.6	23.0	81	0.2	78.8	34.8	414	4.63	19.3	0.6	6.9	2.7	40	0.3	0.4	0.3	96	0.44
1045600	Soil	1.0	27.4	33.2	104	0.1	27.8	11.0	544	3.53	10.2	2.8	1.6	18.1	24	0.3	0.5	0.4	66	0.20
1045599	Soil	0.9	26.4	33.5	101	0.1	28.7	11.5	528	3.55	10.6	2.8	0.9	18.1	24	0.3	0.5	0.4	68	0.21
1045590	Soil	1.8	22.7	15.3	61	<0.1	20.2	8.0	287	3.86	11.6	1.7	0.6	7.4	12	0.2	0.8	0.2	83	0.12
1001900	Soil	1.4	23.3	12.1	61	<0.1	29.7	13.2	342	3.78	10.3	0.7	1.9	3.7	18	0.3	0.5	0.2	76	0.21
1080055	Soil	1.9	27.3	10.4	71	<0.1	16.7	9.0	340	3.04	8.0	0.6	5.6	0.9	40	0.2	0.6	0.2	74	0.18
1045588	Soil	0.7	32.3	13.0	68	<0.1	32.4	12.6	484	3.26	9.0	1.3	3.4	10.4	25	0.4	0.4	0.2	65	0.27
1045596	Soil	0.9	21.6	13.1	64	<0.1	25.5	10.4	382	3.49	9.3	2.1	2.3	11.3	22	0.2	0.4	0.4	69	0.24
1045595	Soil	2.0	19.4	14.6	48	<0.1	20.7	7.9	211	3.42	9.5	1.3	3.8	5.6	16	0.2	0.8	0.4	84	0.12
1045593	Soil	1.2	22.8	17.4	74	<0.1	29.1	12.6	359	3.57	10.8	1.5	1.1	8.1	18	0.1	0.6	0.3	73	0.18
1045598	Soil	0.8	25.9	27.0	105	<0.1	25.5	12.5	663	3.38	7.7	1.6	1.9	15.6	21	0.4	0.3	0.3	60	0.22



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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
1001895	Soil	27	39	0.70	113	0.092	2	2.97	0.016	0.07	0.3	0.03	4.8	0.1	<0.05	7	0.5	<0.2
1001894	Soil	11	28	0.36	110	0.085	<1	1.72	0.008	0.05	0.1	0.02	2.5	0.1	<0.05	11	<0.5	<0.2
1045591	Soil	16	36	0.56	113	0.083	1	2.46	0.012	0.08	0.2	0.02	3.6	<0.1	<0.05	7	<0.5	<0.2
1045587	Soil	11	39	0.53	157	0.101	<1	2.61	0.012	0.08	0.2	0.01	3.6	<0.1	<0.05	8	<0.5	<0.2
1080002	Soil	14	15	0.25	73	0.005	<1	2.36	0.008	0.08	0.2	0.01	1.8	0.1	<0.05	8	<0.5	<0.2
1001897	Soil	13	48	0.71	156	0.119	2	2.72	0.014	0.08	0.1	0.02	4.6	<0.1	<0.05	7	<0.5	<0.2
1045589	Soil	11	36	0.61	140	0.091	1	2.85	0.014	0.07	0.2	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
1045592	Soil	15	37	0.57	144	0.098	1	2.57	0.013	0.08	0.2	0.03	3.6	<0.1	<0.05	7	<0.5	<0.2
1080001	Soil	14	35	0.38	118	0.058	<1	2.79	0.010	0.07	0.2	0.04	2.8	0.1	<0.05	9	<0.5	<0.2
1001899	Soil	19	41	0.62	167	0.109	1	3.11	0.016	0.08	0.2	0.04	4.6	<0.1	<0.05	7	0.6	<0.2
1001890	Soil	23	124	2.11	264	0.159	<1	2.36	0.024	0.16	1.0	0.05	5.6	0.2	0.06	9	1.0	0.3
1001893	Soil	11	10	0.12	52	0.059	<1	0.66	0.014	0.03	0.1	0.04	1.1	<0.1	0.07	3	<0.5	<0.2
1080003	Soil	21	25	0.32	97	0.067	<1	1.71	0.011	0.07	0.1	0.02	2.1	0.1	<0.05	8	<0.5	<0.2
1045597	Soil	37	41	0.67	181	0.105	<1	2.31	0.017	0.09	0.2	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
1045594	Soil	21	36	0.55	100	0.079	<1	2.76	0.013	0.08	0.2	0.02	3.2	0.1	0.05	8	<0.5	<0.2
1080058	Soil	15	52	1.58	93	0.126	2	2.28	0.035	0.15	0.9	0.06	4.1	0.2	0.16	7	<0.5	0.5
1082200	Soil	11	38	0.61	101	0.106	<1	1.96	0.012	0.11	0.2	0.06	3.1	0.1	0.08	6	<0.5	0.3
1080061	Soil	10	38	0.50	83	0.135	<1	2.06	0.009	0.08	0.5	0.03	2.9	0.1	0.05	9	<0.5	0.7
1080072	Soil	15	73	0.56	118	0.040	<1	2.03	0.010	0.14	0.2	0.03	8.2	0.3	0.08	6	0.8	0.3
1080059	Soil	11	65	1.00	116	0.256	<1	2.69	0.018	0.33	0.3	0.04	3.3	0.2	0.06	8	<0.5	<0.2
1045600	Soil	35	39	0.57	123	0.092	1	2.52	0.012	0.11	0.2	0.04	4.5	0.1	<0.05	7	<0.5	<0.2
1045599	Soil	36	40	0.59	124	0.099	<1	2.64	0.012	0.10	0.2	0.03	4.7	<0.1	<0.05	7	<0.5	<0.2
1045590	Soil	13	33	0.40	66	0.079	<1	2.23	0.007	0.05	0.2	0.04	2.5	0.1	<0.05	9	<0.5	<0.2
1001900	Soil	11	43	0.64	157	0.095	<1	2.64	0.011	0.08	0.2	0.03	3.8	<0.1	<0.05	7	<0.5	<0.2
1080055	Soil	6	20	0.34	77	0.090	<1	1.22	0.011	0.07	0.1	0.06	1.5	0.1	<0.05	6	<0.5	<0.2
1045588	Soil	15	41	0.66	171	0.111	<1	2.56	0.016	0.11	0.2	0.02	4.5	0.1	<0.05	6	<0.5	<0.2
1045596	Soil	26	36	0.51	117	0.102	<1	2.44	0.014	0.07	0.2	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
1045595	Soil	14	35	0.36	81	0.068	<1	2.50	0.010	0.04	0.2	0.05	2.8	0.1	<0.05	9	<0.5	<0.2
1045593	Soil	15	37	0.54	114	0.107	<1	2.61	0.020	0.07	0.2	0.02	3.3	<0.1	<0.05	8	<0.5	<0.2
1045598	Soil	25	37	0.53	134	0.079	<1	2.59	0.012	0.09	0.1	0.02	3.6	0.1	<0.05	7	<0.5	<0.2



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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
1082199	Soil	3.2	32.7	17.7	78	0.2	25.6	11.8	652	4.28	14.6	0.9	8.4	0.5	16	0.1	1.2	0.3	87	0.12	0.063
1082198	Soil	1.9	75.8	39.3	156	0.4	72.1	31.2	1363	4.80	118.6	1.4	13.2	6.6	21	0.7	0.8	1.6	73	0.14	0.056
1080051	Soil	1.6	52.0	15.5	118	0.2	35.2	12.1	342	4.38	21.6	1.1	5.9	2.4	37	0.4	0.6	0.3	72	0.16	0.060
1080052	Soil	1.8	70.5	17.5	118	0.4	45.0	16.2	460	3.59	44.1	1.5	3.0	1.4	16	0.6	1.0	0.3	67	0.17	0.078
1082191	Soil	1.6	41.7	175.9	115	0.5	30.4	9.5	280	3.87	29.7	1.2	2.5	5.3	22	0.5	0.6	0.7	53	0.17	0.043
1080063	Soil	1.9	62.1	13.7	67	0.2	35.0	13.9	339	4.39	26.5	0.9	11.3	1.7	19	0.2	0.6	0.8	100	0.15	0.045
1082195	Soil	0.9	35.3	9.1	73	0.1	33.8	13.2	360	3.30	12.7	0.8	4.0	3.1	19	0.1	0.4	0.1	60	0.20	0.042
1082196	Soil	1.7	29.8	38.5	84	0.4	25.1	17.0	935	4.47	22.4	1.0	5.2	1.6	29	0.2	0.6	0.2	62	0.17	0.089
1080054	Soil	1.3	88.4	14.7	94	0.1	41.5	16.7	398	3.76	16.5	1.4	5.6	3.7	43	0.3	0.6	0.4	64	0.24	0.062
1080053	Soil	1.7	47.3	89.4	134	0.3	50.9	17.1	451	3.52	19.2	1.8	41.6	5.3	19	0.5	0.6	0.6	59	0.19	0.042
1080057	Soil	2.0	66.5	15.4	89	0.2	31.3	10.7	338	4.14	15.6	1.0	0.8	0.7	18	0.1	0.9	0.6	97	0.14	0.061
1080056	Soil	1.1	35.3	14.2	73	0.1	27.5	11.2	396	2.93	15.0	0.9	5.2	3.3	36	0.3	0.4	0.3	61	0.20	0.040
1080062	Soil	1.3	44.2	11.3	67	0.3	31.9	15.5	527	3.06	38.3	0.8	11.9	2.7	17	0.2	0.7	0.9	65	0.19	0.053
1080060	Soil	0.4	100.8	27.1	82	0.3	68.7	21.8	645	5.16	6.9	1.1	2.0	9.2	71	0.4	0.1	0.4	101	1.22	0.065
1082197	Soil	2.1	39.8	19.0	96	0.2	33.3	17.5	803	4.39	38.0	1.0	6.2	1.3	15	0.3	0.9	0.3	91	0.15	0.065
1086722	Soil	2.3	25.9	3.4	23	0.2	3.6	4.1	81	1.53	1.9	1.0	1.2	0.3	16	0.3	<0.1	<0.1	53	0.34	0.080
1082192	Soil	1.9	31.5	43.3	98	0.1	26.0	9.7	299	3.55	22.2	1.3	14.3	5.8	16	0.2	0.6	0.4	51	0.16	0.038
1086724	Soil	23.8	21.4	26.1	54	0.5	13.2	6.5	177	2.55	10.1	1.0	4.1	1.9	16	0.6	0.7	0.3	63	0.14	0.031
1086721	Soil	22.0	63.2	20.4	69	0.8	24.6	11.7	445	3.06	29.9	2.2	14.9	3.1	34	0.4	0.6	0.9	64	0.48	0.075
1086715	Soil	1.5	61.0	11.8	73	0.5	29.9	21.5	647	3.77	45.1	1.0	13.6	6.5	26	0.3	0.4	0.5	90	0.38	0.090
1082190	Soil	1.9	36.8	18.2	91	<0.1	34.1	14.9	433	3.47	32.8	0.9	8.1	2.5	17	0.2	0.7	0.3	68	0.16	0.043
1082193	Soil	1.1	40.5	11.3	73	0.1	48.6	16.0	398	3.28	29.7	0.7	14.2	2.5	15	0.2	0.5	0.4	64	0.17	0.052
1082184	Soil	1.6	64.2	14.3	91	0.2	30.4	10.2	265	2.41	204.1	1.0	12.1	2.7	16	0.3	1.0	0.5	44	0.05	0.042
1082186	Soil	1.5	42.2	40.4	102	0.4	30.7	11.6	415	3.24	103.2	1.0	7.9	2.0	19	0.4	0.9	0.6	60	0.13	0.062
1082194	Soil	1.0	42.4	10.8	74	0.1	50.2	15.8	402	3.46	31.4	0.7	18.8	2.6	16	0.1	0.4	0.5	65	0.18	0.052
1082185	Soil	2.5	41.3	13.5	55	0.5	16.6	7.7	537	2.38	20.8	0.9	2.7	0.1	15	0.1	0.9	0.3	62	0.10	0.108
1082187	Soil	1.9	44.8	42.0	140	0.4	31.3	12.1	343	3.50	18.5	1.7	3.5	1.3	19	0.3	0.6	0.4	61	0.11	0.053
1082183	Soil	2.1	34.4	46.5	121	0.2	25.5	11.3	477	3.21	60.8	2.1	9.0	3.7	16	0.7	1.0	0.4	51	0.12	0.053
1082189	Soil	2.9	31.3	15.9	88	<0.1	22.9	9.5	438	3.58	14.0	0.8	5.8	0.9	14	0.2	1.1	0.3	80	0.10	0.049
1082188	Soil	3.5	35.5	32.5	90	<0.1	24.1	11.9	738	3.62	16.5	1.4	2.8	0.7	16	0.2	1.3	0.4	74	0.10	0.077



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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	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1082199	Soil	10	39	0.49	91	0.066	<1	1.75	0.007	0.09	0.1	0.06	1.9	0.2	<0.05	9	0.7
1082198	Soil	20	45	0.65	107	0.046	<1	2.25	0.008	0.14	0.2	0.03	3.7	0.2	<0.05	6	<0.5
1080051	Soil	11	41	0.51	95	0.084	<1	1.84	0.014	0.11	0.2	0.05	2.5	0.1	0.08	6	<0.5
1080052	Soil	11	33	0.45	83	0.055	<1	1.51	0.009	0.10	0.2	0.06	2.1	0.1	<0.05	5	1.5
1082191	Soil	17	29	0.45	98	0.064	<1	1.88	0.017	0.11	0.2	0.02	2.4	0.1	0.15	6	0.8
1080063	Soil	11	52	0.58	116	0.099	<1	2.18	0.010	0.10	0.3	0.04	4.2	0.2	<0.05	9	<0.5
1082195	Soil	10	35	0.56	91	0.117	<1	1.86	0.015	0.14	0.2	0.05	2.9	0.2	<0.05	5	0.6
1082196	Soil	13	31	0.54	99	0.057	<1	2.81	0.013	0.11	0.2	0.08	3.4	0.1	0.10	7	<0.5
1080054	Soil	14	59	0.67	111	0.116	<1	1.88	0.015	0.14	0.3	0.03	2.9	0.2	0.08	6	<0.5
1080053	Soil	15	49	0.58	88	0.101	<1	1.97	0.013	0.11	0.3	0.04	2.9	0.2	<0.05	6	0.8
1080057	Soil	9	45	0.46	90	0.073	<1	1.73	0.009	0.07	0.6	0.05	2.1	0.1	<0.05	9	<0.5
1080056	Soil	10	29	0.49	138	0.105	<1	1.60	0.012	0.14	0.3	0.02	2.5	0.2	<0.05	5	<0.5
1080062	Soil	9	43	0.65	105	0.088	1	2.32	0.010	0.10	0.3	0.05	2.9	0.1	<0.05	6	0.5
1080060	Soil	22	137	1.81	258	0.414	<1	3.62	0.105	0.85	0.6	0.02	11.4	0.8	<0.05	14	<0.5
1082197	Soil	9	46	0.87	108	0.078	2	2.29	0.008	0.15	<0.1	0.06	3.4	0.2	0.06	8	0.8
1086722	Soil	6	5	0.09	20	0.070	<1	0.34	0.013	0.01	0.4	0.01	0.4	<0.1	<0.05	2	<0.5
1082192	Soil	9	31	0.50	77	0.064	<1	1.98	0.012	0.09	0.2	0.03	2.4	<0.1	0.09	6	0.5
1086724	Soil	6	21	0.28	76	0.068	<1	1.39	0.014	0.04	2.5	0.02	1.3	<0.1	<0.05	6	<0.5
1086721	Soil	13	32	0.54	144	0.075	1	1.46	0.017	0.09	5.1	0.03	2.7	0.1	0.06	6	0.6
1086715	Soil	11	46	1.10	157	0.165	<1	2.32	0.012	0.21	0.6	0.02	4.7	0.2	<0.05	8	<0.5
1082190	Soil	10	48	0.65	97	0.081	<1	1.95	0.009	0.08	0.2	0.04	2.7	0.1	<0.05	6	0.6
1082193	Soil	10	79	0.90	71	0.074	<1	2.14	0.009	0.14	<0.1	0.04	2.9	0.2	<0.05	6	<0.5
1082184	Soil	17	30	0.27	67	0.011	<1	1.08	0.004	0.09	<0.1	0.02	1.9	0.1	<0.05	3	0.9
1082186	Soil	10	39	0.54	106	0.065	<1	1.77	0.010	0.17	0.2	0.05	2.6	0.1	0.11	6	0.7
1082194	Soil	10	80	0.95	72	0.076	<1	2.23	0.008	0.14	0.1	0.04	2.9	0.2	<0.05	6	0.7
1082185	Soil	7	23	0.22	93	0.016	<1	0.99	0.009	0.06	<0.1	0.07	0.7	0.1	0.12	5	0.6
1082187	Soil	11	35	0.67	79	0.055	<1	2.04	0.012	0.10	<0.1	0.04	2.5	0.1	<0.05	7	0.8
1082183	Soil	13	28	0.47	74	0.044	<1	1.75	0.010	0.08	0.1	0.03	1.9	0.1	0.05	5	0.7
1082189	Soil	9	34	0.46	96	0.066	<1	1.65	0.007	0.06	0.1	0.04	2.1	0.1	<0.05	9	0.7
1082188	Soil	8	31	0.39	111	0.035	<1	1.63	0.007	0.05	<0.1	0.05	1.5	0.2	<0.05	8	0.7



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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
1086720	Soil	24.7	187.2	161.0	231	3.9	42.9	19.6	1135	5.65	158.4	3.1	52.7	4.2	39	1.2	1.1	1.8	65	1.08
1086726	Soil	13.7	25.8	20.6	65	0.3	24.1	11.9	268	3.17	14.5	0.9	32.6	3.5	27	0.4	0.6	0.3	67	0.21
1086733	Soil	3.4	20.4	16.8	56	0.6	17.5	10.2	327	4.62	15.1	2.1	2.4	3.3	20	0.4	0.8	0.3	95	0.17
1086734	Soil	0.5	14.0	2.6	31	<0.1	3.9	5.2	117	2.02	1.8	0.2	<0.5	0.3	10	<0.1	0.1	0.1	68	0.12
1086729	Soil	7.7	45.4	197.8	248	4.4	26.3	13.3	473	3.63	94.1	1.8	49.1	6.9	21	1.2	1.1	0.8	68	0.23
1086718	Soil	1.8	55.7	8.5	69	<0.1	44.4	19.2	484	3.43	20.2	0.9	4.1	3.1	15	0.2	0.6	0.2	75	0.18
1086713	Soil	3.4	51.0	9.9	55	0.2	22.2	7.6	192	2.63	10.7	0.9	2.2	0.7	13	0.2	1.2	0.3	85	0.10
1080234	Soil	2.2	36.4	9.5	59	0.2	24.5	8.7	308	3.35	15.5	0.7	3.5	1.5	12	0.1	0.7	0.4	84	0.11
1086728	Soil	11.7	28.9	11.9	49	0.4	17.9	10.4	296	2.61	8.8	3.1	2.9	4.5	23	0.3	0.5	0.2	64	0.21
1086730	Soil	3.3	29.1	44.2	85	1.3	24.7	12.2	416	3.45	48.0	0.8	17.5	3.5	19	0.5	1.1	0.4	73	0.16
1086723	Soil	22.1	28.6	11.2	35	0.3	9.5	5.7	220	1.53	7.1	1.3	4.0	1.0	23	0.2	0.3	0.3	39	0.25
1086719	Soil	1.9	32.8	12.4	63	0.4	39.8	16.0	456	3.12	21.3	0.6	12.9	2.9	18	0.3	0.5	0.2	65	0.27
1086716	Soil	1.7	43.3	10.5	69	0.1	40.6	15.6	412	3.47	16.9	0.8	2.0	2.5	17	0.2	0.6	0.3	72	0.20
1086717	Soil	2.1	52.3	5.9	53	0.1	72.7	17.2	509	3.04	7.2	0.9	1.6	5.1	23	0.1	0.3	0.1	63	0.40
1086714	Soil	1.1	42.8	7.8	56	0.2	40.6	17.0	498	2.98	15.9	0.8	3.3	3.5	15	0.3	0.6	0.3	66	0.19
1086701	Soil	1.1	53.4	8.7	65	0.2	35.0	12.7	429	2.84	25.9	0.7	6.2	3.5	12	0.3	0.6	0.7	64	0.22
1086710	Soil	5.8	45.6	8.9	65	0.1	22.1	8.9	290	3.23	11.5	0.7	2.0	1.1	14	0.2	1.0	0.3	77	0.12
1086705	Soil	0.8	38.5	8.3	58	0.2	40.6	14.9	486	2.83	22.7	0.6	6.6	3.3	12	0.3	0.6	0.2	71	0.18
1086702	Soil	1.8	52.2	10.5	69	0.6	25.2	11.9	463	3.45	28.5	0.8	8.0	3.0	14	0.3	0.8	0.5	72	0.16
1086703	Soil	1.0	46.5	12.8	68	0.3	28.7	12.0	484	3.31	28.7	0.7	5.9	3.9	16	0.5	0.6	0.3	71	0.25
1086712	Soil	1.9	79.8	6.1	88	0.2	49.0	17.3	470	3.47	28.5	0.9	6.0	4.5	28	0.4	0.5	0.3	76	0.32
1086711	Soil	2.1	44.5	6.5	67	0.1	18.0	9.0	424	3.09	8.7	0.5	9.8	0.6	18	0.3	0.7	0.2	80	0.20
1086708	Soil	2.3	25.6	11.3	62	0.2	22.3	9.9	362	4.46	15.1	0.7	2.4	2.9	14	0.3	0.8	0.3	83	0.14
1086709	Soil	1.0	55.3	6.0	55	<0.1	34.6	16.5	397	3.30	12.9	0.8	3.8	4.3	20	0.3	0.6	0.2	71	0.23
1086706	Soil	0.9	40.4	8.1	63	0.2	40.5	14.8	514	2.94	24.8	0.7	6.6	3.7	14	0.4	0.6	0.3	73	0.21
1086727	Soil	23.1	20.9	14.5	61	0.6	15.4	7.2	227	3.42	13.9	1.3	2.2	3.1	20	0.4	0.6	0.3	92	0.17
1086725	Soil	64.1	32.2	40.9	106	1.4	24.1	13.1	480	3.69	33.6	3.6	13.9	6.2	34	0.7	1.0	0.5	74	0.30
1086731	Soil	2.1	24.4	9.6	60	0.1	14.7	8.1	222	3.47	14.0	0.5	2.3	1.9	15	0.2	0.6	0.3	93	0.13
1086732	Soil	3.1	20.2	13.1	60	0.3	12.0	5.5	154	3.56	10.8	0.4	2.2	1.8	21	0.5	0.9	0.4	97	0.18
1086707	Soil	1.2	36.9	8.6	60	<0.1	37.4	17.5	496	3.55	15.6	0.7	3.6	3.4	20	0.4	0.6	0.2	73	0.23



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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
1086720	Soil	12	47	0.81	105	0.094	<1	2.08	0.020	0.14	18.4	0.04	4.7	0.2	<0.05	8	1.1	0.6
1086726	Soil	9	30	0.54	87	0.063	<1	2.06	0.009	0.04	6.1	0.01	2.3	<0.1	<0.05	6	0.8	<0.2
1086733	Soil	10	36	0.34	111	0.075	<1	2.89	0.008	0.04	0.5	0.05	2.5	<0.1	<0.05	10	<0.5	<0.2
1086734	Soil	3	7	0.09	27	0.086	<1	0.42	0.013	0.02	0.1	<0.01	0.4	<0.1	<0.05	4	<0.5	<0.2
1086729	Soil	12	38	0.75	106	0.067	<1	2.40	0.010	0.06	3.6	0.04	3.2	<0.1	<0.05	7	0.7	0.2
1086718	Soil	10	46	0.70	119	0.103	1	2.68	0.013	0.12	0.6	0.03	3.7	0.1	<0.05	7	<0.5	<0.2
1086713	Soil	8	27	0.24	64	0.037	<1	1.16	0.006	0.05	0.3	0.05	1.6	<0.1	<0.05	7	<0.5	<0.2
1080234	Soil	8	39	0.50	65	0.079	1	1.84	0.008	0.07	0.4	0.06	2.3	<0.1	<0.05	8	0.6	<0.2
1086728	Soil	9	25	0.42	88	0.068	<1	1.68	0.012	0.05	2.0	0.04	2.4	<0.1	<0.05	6	<0.5	<0.2
1086730	Soil	8	35	0.44	139	0.077	<1	2.43	0.011	0.05	1.9	0.04	2.5	0.1	<0.05	7	<0.5	<0.2
1086723	Soil	5	15	0.28	85	0.049	<1	0.91	0.020	0.04	2.4	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1086719	Soil	9	42	0.65	103	0.105	2	2.28	0.013	0.10	2.1	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
1086716	Soil	10	45	0.68	108	0.109	<1	2.50	0.010	0.13	1.2	0.03	3.6	0.1	<0.05	8	<0.5	<0.2
1086717	Soil	13	92	1.17	105	0.182	<1	2.47	0.020	0.21	1.4	0.02	4.9	0.2	<0.05	7	0.6	<0.2
1086714	Soil	10	43	0.65	146	0.112	2	2.45	0.014	0.12	1.0	0.04	3.7	0.1	<0.05	6	<0.5	<0.2
1086701	Soil	10	38	0.64	125	0.087	<1	1.89	0.009	0.17	0.3	0.02	2.8	0.1	<0.05	5	<0.5	0.3
1086710	Soil	7	30	0.33	78	0.057	<1	1.62	0.007	0.04	0.3	0.04	1.8	<0.1	<0.05	8	0.6	<0.2
1086705	Soil	9	42	0.64	106	0.091	<1	1.94	0.009	0.13	0.3	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
1086702	Soil	12	42	0.65	94	0.084	2	2.32	0.011	0.11	0.3	0.04	3.5	0.1	<0.05	8	0.6	<0.2
1086703	Soil	12	34	0.70	101	0.104	2	2.06	0.013	0.13	0.3	0.01	3.4	<0.1	<0.05	7	<0.5	<0.2
1086712	Soil	12	47	0.71	151	0.117	<1	2.10	0.021	0.21	4.1	0.02	3.9	0.2	<0.05	7	0.5	<0.2
1086711	Soil	7	22	0.25	87	0.069	<1	1.17	0.010	0.03	0.3	0.03	1.4	<0.1	<0.05	7	<0.5	<0.2
1086708	Soil	9	43	0.57	79	0.092	2	2.68	0.009	0.06	0.5	0.03	3.4	0.1	<0.05	10	<0.5	<0.2
1086709	Soil	12	42	0.66	119	0.122	1	2.64	0.018	0.09	1.0	0.02	4.3	0.1	<0.05	7	<0.5	<0.2
1086706	Soil	11	43	0.68	112	0.100	2	2.19	0.011	0.15	0.4	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
1086727	Soil	8	28	0.40	77	0.084	<1	1.89	0.011	0.06	2.2	0.04	2.4	<0.1	<0.05	10	<0.5	<0.2
1086725	Soil	13	33	0.64	95	0.096	<1	2.10	0.016	0.07	5.1	0.03	3.7	0.1	<0.05	7	0.6	<0.2
1086731	Soil	6	21	0.30	70	0.106	<1	1.31	0.012	0.03	1.5	<0.01	1.6	<0.1	<0.05	8	<0.5	<0.2
1086732	Soil	8	23	0.21	87	0.089	<1	1.51	0.010	0.04	0.6	0.01	1.8	<0.1	<0.05	10	<0.5	<0.2
1086707	Soil	10	42	0.63	181	0.105	2	2.67	0.013	0.15	0.2	0.02	3.8	0.1	<0.05	7	<0.5	<0.2



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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	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
1080338	Soil		5.6	45.0	16.4	340	0.8	53.2	13.8	579	3.99	47.5	2.4	4.5	4.6	23	4.0	1.9	0.3	173	0.28	0.133
1080337	Soil		3.0	28.8	20.4	144	0.2	36.2	14.0	334	3.50	24.3	1.0	3.1	5.1	17	2.1	1.2	0.5	91	0.20	0.041
1080340	Soil		2.8	33.0	14.0	125	0.8	31.7	9.3	274	3.77	24.6	1.3	1.1	3.4	24	2.3	0.8	0.3	123	0.27	0.049
1080344	Soil		2.4	34.5	13.7	333	0.6	53.0	15.0	393	3.24	26.9	1.0	3.4	3.3	28	3.0	0.9	0.4	138	0.37	0.104
1080346	Soil		2.2	40.2	17.8	156	0.3	30.8	10.2	293	2.47	11.0	1.4	1.2	2.4	32	0.7	0.9	0.2	88	0.42	0.099
1086704	Soil		1.0	47.3	12.2	67	0.3	29.7	12.0	484	3.29	28.2	0.7	6.1	3.9	16	0.4	0.6	0.4	70	0.26	0.066
1080333	Soil		1.1	29.9	10.8	69	0.1	29.4	10.6	503	2.92	17.3	1.0	2.3	2.4	35	0.2	1.2	0.3	60	0.82	0.052
1080335	Soil		0.9	44.7	10.9	76	0.2	38.9	13.4	711	3.05	12.8	1.2	5.1	2.8	32	0.2	1.4	0.2	67	0.90	0.087
1080339	Soil		2.9	42.3	11.8	254	0.3	52.0	14.3	458	3.43	30.7	2.1	3.2	4.1	25	3.4	1.1	0.3	120	0.30	0.090
1080341	Soil		1.9	58.8	8.9	116	0.3	47.6	13.4	448	3.17	17.2	1.1	1.1	3.4	26	0.8	0.6	0.2	84	0.40	0.044
1080332	Soil		1.3	28.9	11.9	79	<0.1	43.8	14.9	637	3.55	14.5	1.0	2.5	5.0	23	0.7	0.7	0.2	62	0.33	0.057
1080334	Soil		2.6	43.7	18.9	254	0.6	64.0	16.1	393	4.92	24.9	0.8	2.6	4.2	21	1.5	1.4	0.4	137	0.30	0.066
1080336	Soil		2.6	25.6	17.1	85	<0.1	22.9	7.9	260	4.86	25.0	0.6	2.5	4.7	23	0.4	1.0	0.3	113	0.27	0.042
1080331	Soil		1.0	25.1	21.9	75	0.2	26.9	9.8	558	2.68	29.7	0.7	7.0	1.3	39	0.7	1.4	0.2	58	1.52	0.079
1080342	Soil		2.0	37.6	9.3	165	0.3	45.8	11.9	368	3.01	9.3	1.2	0.7	3.0	27	2.3	0.5	0.2	122	0.57	0.105
1080328	Soil		2.1	45.8	18.2	117	0.2	44.4	18.4	885	3.48	38.9	0.8	3.3	3.2	17	1.5	1.7	0.3	70	0.21	0.053
1080326	Soil		1.4	31.8	9.7	88	0.1	33.1	12.9	527	3.52	13.4	0.8	2.3	3.2	25	0.7	0.7	0.1	79	0.36	0.049
1080325	Soil		9.6	135.1	56.8	1491	1.9	264.3	31.9	703	4.16	61.6	1.8	5.4	4.1	48	5.8	6.5	0.2	391	0.81	0.404
1080323	Soil		3.2	39.5	11.9	159	0.5	40.8	13.4	330	3.58	20.2	0.9	3.0	3.3	21	1.3	1.6	0.2	114	0.29	0.081
1080324	Soil		9.3	82.6	13.4	317	0.7	89.0	17.8	1105	3.65	42.7	1.7	2.6	6.2	56	2.3	2.3	0.2	195	1.76	0.224
1080348	Soil		2.6	43.3	44.9	196	0.2	36.1	16.3	540	3.68	14.9	1.1	1.2	5.1	19	0.9	0.8	0.4	81	0.29	0.075
1080345	Soil		3.4	57.7	14.6	226	0.4	60.5	19.4	492	3.54	14.8	1.4	1.4	3.7	29	1.5	1.0	0.2	116	0.31	0.092
1080347	Soil		2.7	54.2	16.0	146	0.5	35.7	11.5	475	2.70	10.3	2.3	2.4	3.2	35	0.9	0.7	0.2	91	0.70	0.088
1080322	Soil		2.6	48.9	11.1	125	0.2	44.2	13.7	505	3.52	22.4	1.0	2.4	4.4	22	1.4	1.6	0.2	98	0.35	0.081
1080319	Soil		2.6	90.6	15.7	172	1.4	67.0	20.3	444	3.68	53.1	1.2	8.6	3.9	22	1.6	2.2	0.3	97	0.36	0.124
1080352	Soil		1.5	29.8	14.2	97	0.1	28.4	10.9	320	3.40	9.7	1.4	3.7	5.7	21	0.3	0.5	0.3	62	0.35	0.054
1080351	Soil		1.8	32.3	14.0	104	0.1	29.8	11.1	317	3.53	9.8	1.6	2.7	6.3	24	0.2	0.4	0.3	66	0.34	0.060
1080349	Soil		2.6	38.1	25.1	142	<0.1	32.3	12.5	574	4.35	17.8	1.0	2.7	4.8	20	0.7	0.7	0.4	84	0.22	0.043
1080350	Soil		2.2	38.6	19.5	131	0.2	37.5	14.5	513	4.08	18.3	1.0	2.1	4.5	30	0.6	0.7	0.3	85	0.45	0.061
1080343	Soil		3.6	40.2	13.6	183	0.6	41.0	9.1	225	3.99	21.0	0.9	5.2	2.7	28	1.6	0.9	0.3	227	0.31	0.105



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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
1080338	Soil	15	48	0.68	535	0.083	2	2.35	0.011	0.13	0.3	0.04	4.2	0.1	<0.05	9	1.3	<0.2
1080337	Soil	10	35	0.62	215	0.071	1	2.81	0.011	0.10	0.2	0.01	3.6	<0.1	<0.05	8	<0.5	<0.2
1080340	Soil	14	43	0.65	772	0.099	<1	2.22	0.011	0.11	0.2	0.02	3.7	0.1	<0.05	9	0.5	<0.2
1080344	Soil	11	41	0.81	641	0.092	2	2.56	0.016	0.12	0.2	0.03	4.2	0.1	<0.05	7	0.6	<0.2
1080346	Soil	18	30	0.59	356	0.102	1	1.70	0.029	0.12	0.1	0.01	3.1	0.1	<0.05	7	0.6	<0.2
1086704	Soil	12	35	0.68	102	0.104	2	2.13	0.013	0.13	0.4	0.01	3.5	0.1	<0.05	7	<0.5	<0.2
1080333	Soil	18	37	0.69	164	0.070	<1	1.72	0.021	0.07	0.1	0.03	3.9	<0.1	<0.05	6	<0.5	<0.2
1080335	Soil	20	45	0.78	223	0.060	<1	2.05	0.015	0.10	0.1	0.05	4.8	0.1	<0.05	7	<0.5	<0.2
1080339	Soil	15	45	0.76	564	0.088	2	2.39	0.013	0.16	0.2	0.02	4.8	0.2	<0.05	7	2.8	<0.2
1080341	Soil	10	42	0.78	328	0.099	2	2.44	0.017	0.10	0.1	0.01	4.4	0.1	<0.05	7	0.5	<0.2
1080332	Soil	17	37	0.64	193	0.120	2	3.18	0.018	0.09	0.2	0.03	4.8	<0.1	<0.05	6	<0.5	<0.2
1080334	Soil	10	64	0.95	198	0.097	<1	2.91	0.010	0.16	0.2	0.04	4.9	0.2	<0.05	11	<0.5	<0.2
1080336	Soil	12	37	0.58	125	0.108	<1	2.07	0.010	0.11	0.2	0.01	3.3	0.1	<0.05	12	<0.5	<0.2
1080331	Soil	22	29	0.62	126	0.062	2	1.82	0.026	0.07	0.1	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
1080342	Soil	12	46	0.75	481	0.082	1	2.13	0.019	0.12	0.4	0.02	3.8	0.2	<0.05	8	<0.5	<0.2
1080328	Soil	11	41	0.72	194	0.075	2	2.74	0.012	0.11	0.2	0.03	4.1	0.1	<0.05	7	0.5	<0.2
1080326	Soil	14	42	0.79	391	0.091	2	2.88	0.017	0.10	0.1	0.03	5.4	<0.1	<0.05	7	<0.5	<0.2
1080325	Soil	15	69	1.23	2366	0.041	2	3.95	0.008	0.10	0.7	0.06	7.0	0.1	<0.05	7	2.7	0.3
1080323	Soil	10	44	0.71	329	0.093	2	2.49	0.012	0.09	0.2	0.04	3.9	0.1	<0.05	8	0.5	<0.2
1080324	Soil	42	54	1.16	370	0.048	<1	2.36	0.017	0.11	0.4	0.04	9.0	0.2	<0.05	8	0.9	<0.2
1080348	Soil	21	40	0.80	240	0.090	<1	2.46	0.013	0.16	0.2	<0.01	3.7	0.2	<0.05	8	<0.5	<0.2
1080345	Soil	14	46	0.92	393	0.112	<1	2.82	0.024	0.16	0.1	0.02	4.2	0.2	0.06	8	0.7	<0.2
1080347	Soil	26	43	0.79	404	0.098	<1	2.09	0.021	0.14	0.2	0.04	4.8	0.2	<0.05	8	0.6	<0.2
1080322	Soil	15	42	0.80	317	0.097	1	2.69	0.015	0.10	0.2	0.03	5.2	0.1	<0.05	8	<0.5	<0.2
1080319	Soil	13	47	0.67	160	0.084	4	3.20	0.012	0.09	0.3	0.06	4.0	0.1	0.07	6	0.5	<0.2
1080352	Soil	28	35	0.78	187	0.112	2	1.82	0.018	0.26	0.2	0.01	3.2	0.3	0.06	6	<0.5	<0.2
1080351	Soil	32	38	0.82	199	0.115	2	1.88	0.015	0.25	0.2	0.03	3.6	0.2	0.07	7	<0.5	<0.2
1080349	Soil	21	38	0.62	233	0.106	2	2.32	0.011	0.21	0.2	0.03	3.2	0.2	0.07	9	<0.5	<0.2
1080350	Soil	23	42	0.66	295	0.100	3	2.51	0.015	0.17	0.2	0.02	3.6	0.1	0.08	8	0.8	<0.2
1080343	Soil	10	48	0.51	516	0.088	2	2.33	0.012	0.10	0.2	0.02	3.2	0.1	0.08	8	<0.5	<0.2



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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			
					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
1080140	Soil				0.7	20.0	15.7	69	0.1	25.7	10.4	573	3.00	8.1	1.3	4.0	8.5	16	0.2	0.3	0.3	62	0.16	0.019
1080155	Soil				1.2	42.4	14.3	74	0.1	36.0	16.4	384	3.96	12.9	0.7	4.1	3.9	21	0.2	0.6	0.3	86	0.21	0.023
1080148	Soil				0.7	16.7	14.1	62	<0.1	29.0	12.8	327	3.50	9.1	0.8	3.8	5.5	14	0.3	0.3	0.2	72	0.15	0.032
1080150	Soil				1.2	22.8	14.9	60	<0.1	22.6	9.8	263	3.60	10.1	0.8	3.5	3.6	15	0.2	0.5	0.3	71	0.16	0.046
1080141	Soil				0.5	11.7	4.2	26	<0.1	10.2	3.9	156	1.38	2.6	0.4	8.4	0.3	16	0.1	0.2	0.1	40	0.21	0.043
1080153	Soil				1.6	18.6	13.1	64	<0.1	13.0	9.4	634	3.01	6.6	0.9	3.0	3.8	19	<0.1	0.3	0.2	62	0.23	0.030
1080149	Soil				0.5	18.7	15.3	67	0.1	21.6	10.8	565	3.02	6.3	1.5	6.5	7.6	18	0.4	0.3	0.2	65	0.20	0.025
1080143	Soil				0.7	22.5	11.7	68	0.1	22.0	9.9	347	2.52	3.9	2.3	3.1	6.3	23	0.2	0.3	0.2	61	0.38	0.090
1080152	Soil				0.7	30.5	19.5	86	0.1	24.7	9.1	343	3.24	6.7	5.0	6.5	8.4	28	<0.1	0.3	0.3	70	0.37	0.055
1080147	Soil				1.6	21.6	25.3	90	0.2	25.6	15.3	678	3.70	11.4	1.6	9.1	8.0	24	0.8	0.4	0.3	93	0.26	0.038
1080329	Soil				2.6	25.3	14.2	74	0.1	29.0	14.0	587	4.91	17.3	0.8	3.8	3.2	18	0.5	0.9	0.3	86	0.21	0.070
1080330	Soil				1.5	30.8	16.9	71	0.1	44.0	15.0	435	3.82	15.6	0.9	2.0	2.9	21	0.3	0.8	0.2	75	0.29	0.065
1080320	Soil				7.5	116.1	61.9	526	1.2	101.2	16.5	747	4.29	166.7	1.7	4.7	3.3	66	3.0	17.6	0.5	223	3.77	0.262
1080321	Soil				8.6	347.2	17.2	288	0.6	90.5	14.1	259	4.89	33.4	3.1	5.1	4.0	27	1.0	2.2	0.3	242	0.49	0.241
1080327	Soil				1.8	32.0	12.1	86	0.1	36.9	14.6	486	3.79	18.6	0.9	2.9	3.7	22	0.7	0.8	0.2	79	0.31	0.053
1080146	Soil				1.9	35.7	18.1	44	0.3	12.5	6.9	562	1.90	4.3	1.8	7.5	1.6	22	0.5	0.5	0.3	61	0.20	0.027
1080128	Soil				0.6	18.6	18.3	67	<0.1	26.1	11.9	412	3.05	6.4	0.9	2.7	4.5	17	0.2	0.3	0.2	68	0.22	0.032
1080134	Soil				1.0	21.8	16.2	83	<0.1	27.9	10.2	423	3.45	9.4	1.4	7.9	6.8	14	0.3	0.4	0.2	71	0.16	0.036
1080127	Soil				0.5	16.5	17.4	63	<0.1	25.2	11.8	398	2.59	5.4	0.8	1.5	4.2	16	0.2	0.3	0.1	64	0.21	0.030
1080132	Soil				0.9	21.5	12.1	60	<0.1	38.9	13.2	365	3.65	8.5	1.1	2.3	5.2	20	<0.1	0.3	0.2	75	0.21	0.048
1080151	Soil				1.0	19.2	18.3	57	0.2	24.8	9.8	300	3.14	7.4	0.9	4.8	5.7	19	0.3	0.4	0.2	62	0.23	0.038
1080156	Soil				0.9	33.5	11.0	67	<0.1	32.9	11.9	324	3.55	9.5	0.7	3.1	4.8	25	<0.1	0.4	0.2	75	0.26	0.018
1080137	Soil				0.9	15.0	11.9	67	<0.1	20.1	11.9	501	3.48	5.1	1.6	13.1	9.7	21	0.2	0.2	0.2	77	0.26	0.063
1080136	Soil				0.8	26.1	16.2	60	0.1	29.1	11.8	450	3.31	7.9	1.0	5.5	7.1	17	0.3	0.4	0.2	72	0.19	0.027
1080139	Soil				0.7	26.4	12.1	63	<0.1	32.6	13.3	404	3.36	9.2	0.7	2.3	5.3	18	0.3	0.4	0.2	69	0.21	0.028
1080145	Soil				1.3	31.6	36.8	114	0.8	33.0	17.9	733	4.84	10.0	1.8	12.4	5.6	39	0.6	0.2	0.2	91	0.50	0.089
1080142	Soil				0.4	16.9	7.6	37	<0.1	11.4	8.8	616	1.97	2.4	1.8	4.1	2.7	18	<0.1	0.2	0.1	57	0.27	0.085
1080144	Soil				0.7	19.5	26.8	85	<0.1	22.4	13.5	508	2.74	8.8	1.4	8.1	6.6	20	0.7	0.3	0.3	62	0.33	0.082
1080154	Soil				1.2	45.2	9.2	51	<0.1	12.4	8.0	398	2.32	7.1	0.4	35.7	1.6	23	0.1	0.4	0.2	68	0.20	0.031
1080138	Soil				0.7	23.8	12.7	64	<0.1	29.0	12.3	380	3.13	8.5	0.6	2.3	5.2	17	0.2	0.4	0.1	69	0.21	0.024



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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
1080140	Soil	40	39	0.56	114	0.067	2	2.57	0.010	0.08	0.2	0.02	3.9	<0.1	0.06	6	<0.5	<0.2
1080155	Soil	10	43	0.57	223	0.100	2	2.94	0.013	0.08	0.2	0.02	3.8	0.1	<0.05	8	<0.5	<0.2
1080148	Soil	12	40	0.55	102	0.114	2	2.62	0.012	0.07	0.3	0.03	3.1	<0.1	0.06	7	<0.5	<0.2
1080150	Soil	13	32	0.41	88	0.078	2	2.41	0.011	0.06	0.4	0.04	2.7	<0.1	<0.05	7	<0.5	<0.2
1080141	Soil	5	11	0.21	69	0.054	3	0.66	0.016	0.03	0.1	0.03	0.9	<0.1	0.09	3	0.5	<0.2
1080153	Soil	16	26	0.38	104	0.073	3	1.67	0.010	0.08	0.2	0.02	2.9	<0.1	0.06	7	<0.5	<0.2
1080149	Soil	26	38	0.54	167	0.103	2	2.11	0.014	0.07	0.2	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
1080143	Soil	23	40	0.62	149	0.114	<1	2.27	0.012	0.09	0.2	0.04	4.7	0.1	<0.05	6	<0.5	<0.2
1080152	Soil	58	40	0.57	182	0.117	2	2.49	0.017	0.10	0.2	0.04	6.6	0.1	<0.05	7	<0.5	<0.2
1080147	Soil	20	41	0.69	144	0.131	2	2.71	0.012	0.12	0.4	<0.01	4.0	0.1	0.06	9	<0.5	<0.2
1080329	Soil	12	39	0.54	142	0.100	2	2.54	0.012	0.10	0.2	0.03	3.8	0.1	0.08	8	<0.5	<0.2
1080330	Soil	19	37	0.51	171	0.088	2	3.12	0.013	0.07	0.2	0.04	3.5	<0.1	0.06	7	<0.5	<0.2
1080320	Soil	22	44	0.99	236	0.057	2	1.73	0.019	0.08	0.5	0.06	4.1	0.3	0.10	5	1.1	<0.2
1080321	Soil	15	61	0.83	142	0.096	3	2.59	0.009	0.08	0.4	0.05	3.9	0.2	0.09	8	1.3	<0.2
1080327	Soil	12	39	0.67	342	0.105	3	2.88	0.017	0.10	0.2	0.03	4.6	<0.1	0.05	6	<0.5	<0.2
1080146	Soil	18	20	0.22	125	0.063	1	1.07	0.009	0.05	0.2	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
1080128	Soil	9	34	0.62	128	0.121	<1	2.21	0.012	0.07	0.2	0.03	2.7	0.1	<0.05	6	<0.5	<0.2
1080134	Soil	15	36	0.57	84	0.113	2	2.62	0.017	0.08	0.3	0.02	3.0	<0.1	0.05	7	<0.5	<0.2
1080127	Soil	9	32	0.58	127	0.113	<1	2.10	0.014	0.07	0.2	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
1080132	Soil	12	39	0.63	144	0.166	1	3.17	0.015	0.06	0.2	0.03	4.0	<0.1	<0.05	8	<0.5	<0.2
1080151	Soil	14	31	0.44	110	0.105	1	2.27	0.013	0.06	0.2	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
1080156	Soil	13	41	0.59	207	0.106	2	2.76	0.017	0.08	0.1	0.02	4.2	<0.1	<0.05	7	<0.5	<0.2
1080137	Soil	16	39	0.65	96	0.140	1	2.39	0.018	0.11	0.7	0.01	3.6	0.2	<0.05	7	<0.5	<0.2
1080136	Soil	12	38	0.58	133	0.134	3	2.81	0.016	0.07	0.2	0.04	3.5	0.1	<0.05	6	<0.5	<0.2
1080139	Soil	10	42	0.61	133	0.115	3	2.69	0.013	0.08	0.1	0.03	3.6	0.1	<0.05	6	<0.5	<0.2
1080145	Soil	22	46	1.34	235	0.144	1	3.32	0.018	0.14	0.3	0.05	5.0	0.1	<0.05	11	<0.5	<0.2
1080142	Soil	12	22	0.33	88	0.086	<1	1.24	0.023	0.05	0.2	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
1080144	Soil	23	32	0.54	98	0.104	<1	2.18	0.014	0.10	0.3	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
1080154	Soil	8	20	0.26	142	0.073	1	1.40	0.021	0.05	0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
1080138	Soil	11	39	0.60	126	0.105	2	2.67	0.016	0.07	0.1	0.03	3.3	0.1	<0.05	6	<0.5	<0.2



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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
1086746	Soil	3.5	54.4	13.7	101	0.2	30.4	13.8	762	3.99	34.6	1.0	6.9	0.9	16	0.2	2.2	0.3	97	0.11	0.065
1080240	Soil	3.6	47.1	10.2	73	0.2	23.7	7.2	199	2.81	14.4	1.0	2.9	0.5	17	0.4	2.3	0.3	95	0.10	0.063
1086747	Soil	3.7	43.5	37.0	118	0.2	28.1	8.4	318	3.75	91.4	1.2	5.3	1.0	18	0.5	3.1	0.3	92	0.09	0.071
1043794	Soil	2.1	80.8	11.1	168	0.5	76.6	21.6	1371	4.02	39.1	2.3	2.5	3.3	23	2.4	10.5	0.2	60	0.36	0.180
1043795	Soil	2.8	52.2	42.7	252	0.3	63.7	21.0	933	3.73	35.0	2.5	2.2	3.8	37	1.7	6.1	0.2	104	1.92	0.854
1080129	Soil	1.3	22.3	17.4	73	0.1	28.1	12.4	367	3.54	13.7	0.9	4.4	4.6	15	0.3	0.6	0.3	75	0.17	0.041
1080126	Soil	1.4	20.5	21.9	85	0.1	24.2	10.4	368	3.60	13.1	0.9	3.9	4.6	12	0.2	0.7	0.3	73	0.11	0.036
1080133	Soil	0.6	30.0	16.1	69	0.2	33.2	15.2	574	3.54	8.5	2.3	1.5	11.0	22	0.2	0.4	0.3	83	0.24	0.028
1086737	Soil	2.9	59.0	13.0	127	0.3	46.6	15.3	581	3.58	187.4	1.9	6.7	3.1	20	1.0	3.7	0.2	69	0.16	0.065
1080243	Soil	1.8	44.7	12.3	112	0.2	44.8	16.5	801	3.36	42.1	1.5	4.3	3.8	13	0.8	2.3	0.2	76	0.19	0.066
1080135	Soil	2.3	23.7	17.4	70	0.1	24.3	10.3	384	4.05	14.2	0.9	4.8	3.4	12	0.2	0.9	0.3	84	0.11	0.037
1080131	Soil	0.9	24.5	18.3	70	<0.1	36.4	14.6	402	3.62	11.9	1.3	2.0	5.8	19	0.2	0.6	0.3	76	0.21	0.040
1080125	Soil	0.7	23.9	17.3	70	0.1	32.6	14.0	493	3.01	9.6	0.8	1.0	6.3	16	0.3	0.5	0.2	67	0.17	0.028
1080124	Soil	0.8	28.7	25.4	74	<0.1	35.4	13.3	492	3.37	9.4	1.3	1.8	7.4	20	0.4	0.5	0.2	67	0.18	0.050
1080130	Soil	0.7	19.4	11.5	59	<0.1	23.7	11.1	432	2.68	6.4	1.3	3.0	5.6	21	0.1	0.3	0.2	63	0.24	0.038
1080239	Soil	3.1	54.6	6.8	250	0.5	69.2	18.6	532	3.39	35.7	3.2	2.1	2.3	25	1.3	6.9	0.1	210	0.18	0.086
1086741	Soil	2.7	32.0	12.2	93	0.3	26.5	10.4	583	2.85	79.2	1.1	4.1	2.3	15	0.5	2.2	0.2	61	0.12	0.046
1086744	Soil	3.7	47.8	13.7	92	0.2	28.4	14.1	1384	4.06	33.3	1.9	5.3	0.2	18	0.4	2.3	0.3	94	0.12	0.114
1080235	Soil	2.8	78.7	9.7	179	0.1	51.7	11.1	486	3.68	26.4	1.8	2.9	1.5	37	0.7	2.9	0.2	109	0.40	0.165
1086738	Soil	3.6	44.6	12.6	97	0.5	32.3	12.1	411	3.08	200.7	1.8	8.5	3.1	17	0.8	3.7	0.2	67	0.16	0.062
1086749	Soil	3.4	27.9	18.0	204	<0.1	36.3	15.6	1685	5.33	73.4	1.4	1.6	2.6	26	0.7	2.9	0.2	50	0.34	0.157
1086750	Soil	4.1	123.9	14.8	135	0.1	40.5	12.3	514	4.15	133.1	2.1	5.3	2.6	24	0.4	3.5	0.3	159	0.20	0.113
1086739	Soil	1.4	35.8	9.2	73	0.5	29.2	12.7	535	2.87	106.1	1.0	5.9	3.4	16	0.7	2.5	0.2	63	0.17	0.041
1080237	Soil	1.8	38.8	8.4	168	0.1	52.4	12.2	331	3.04	13.4	1.1	5.6	3.7	14	1.0	1.5	0.2	77	0.14	0.038
1086735	Soil	4.0	150.5	10.0	209	1.4	98.1	37.6	6016	3.67	239.1	2.9	11.3	3.7	22	1.3	5.6	0.2	63	0.11	0.076
1080230	Soil	4.5	175.5	18.3	125	0.3	36.9	12.5	616	4.16	25.8	4.4	4.3	2.8	35	0.8	2.3	0.4	162	0.26	0.160
1080241	Soil	3.1	36.6	12.9	105	0.2	29.5	10.1	508	3.84	25.3	1.8	1.9	2.3	16	0.4	2.3	0.3	112	0.13	0.053
1080244	Soil	4.1	47.3	12.6	81	0.1	25.7	8.5	389	3.51	27.8	1.0	2.2	1.2	17	0.2	2.7	0.3	88	0.11	0.052
1080242	Soil	9.9	94.0	13.6	1557	0.2	268.0	51.7	2642	4.32	78.8	2.8	2.4	4.2	22	12.0	9.5	0.2	274	0.26	0.131
1080238	Soil	2.6	36.5	9.7	146	0.2	56.6	14.8	656	2.95	25.5	1.5	4.1	2.5	17	0.9	3.0	0.2	102	0.19	0.046



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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
1086746	Soil	9	38	0.47	179	0.063	<1	1.51	0.010	0.06	0.1	0.08	2.2	0.1	0.07	8	1.0	<0.2
1080240	Soil	8	26	0.27	102	0.049	1	1.12	0.009	0.04	0.1	0.07	1.4	0.1	0.08	7	0.7	<0.2
1086747	Soil	11	30	0.29	510	0.057	1	1.16	0.007	0.05	0.1	0.05	1.9	0.1	0.06	8	1.1	<0.2
1043794	Soil	14	35	0.50	319	0.044	1	2.06	0.016	0.06	0.3	0.06	4.8	<0.1	0.06	4	2.2	<0.2
1043795	Soil	16	49	0.84	852	0.063	1	2.18	0.009	0.10	0.3	0.05	4.7	0.1	<0.05	6	0.9	<0.2
1080129	Soil	10	41	0.69	104	0.111	2	2.94	0.012	0.08	0.2	0.05	3.6	0.1	<0.05	8	<0.5	<0.2
1080126	Soil	12	35	0.57	81	0.076	1	2.10	0.010	0.09	0.2	0.03	2.7	0.1	<0.05	8	<0.5	<0.2
1080133	Soil	18	52	0.95	205	0.156	1	2.92	0.018	0.09	0.3	0.03	6.0	0.2	<0.05	8	<0.5	<0.2
1086737	Soil	12	37	0.56	1344	0.074	1	2.10	0.012	0.07	0.2	0.04	3.8	<0.1	<0.05	5	1.0	<0.2
1080243	Soil	11	40	0.65	163	0.079	1	2.24	0.010	0.17	<0.1	0.05	3.0	0.1	<0.05	6	0.7	<0.2
1080135	Soil	11	37	0.56	82	0.088	<1	2.22	0.010	0.06	0.1	0.05	2.6	<0.1	<0.05	9	0.5	<0.2
1080131	Soil	13	41	0.74	161	0.131	1	2.82	0.014	0.07	0.2	0.02	3.6	<0.1	<0.05	8	<0.5	<0.2
1080125	Soil	15	40	0.70	103	0.104	1	2.73	0.013	0.08	0.1	0.03	3.7	0.1	<0.05	6	<0.5	<0.2
1080124	Soil	22	38	0.74	178	0.125	2	3.38	0.020	0.08	0.2	0.06	4.0	<0.1	<0.05	7	0.6	<0.2
1080130	Soil	12	37	0.67	114	0.129	<1	2.15	0.016	0.06	0.2	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1080239	Soil	11	36	0.55	234	0.080	1	1.72	0.010	0.09	<0.1	0.06	3.6	0.2	0.08	5	2.0	<0.2
1086741	Soil	12	30	0.41	338	0.082	1	1.64	0.010	0.06	0.2	0.04	2.7	<0.1	<0.05	5	0.8	<0.2
1086744	Soil	10	42	0.40	176	0.026	1	1.88	0.009	0.04	<0.1	0.05	1.1	0.2	0.07	9	1.0	<0.2
1080235	Soil	14	50	0.61	407	0.042	<1	1.97	0.008	0.05	0.2	0.04	2.8	<0.1	<0.05	8	1.4	<0.2
1086738	Soil	12	35	0.55	398	0.085	1	1.92	0.011	0.06	0.2	0.03	3.3	0.1	<0.05	5	1.2	<0.2
1086749	Soil	26	15	0.46	2505	0.014	<1	2.21	0.009	0.14	<0.1	<0.01	6.6	0.1	<0.05	9	0.8	<0.2
1086750	Soil	16	50	0.90	329	0.101	<1	2.20	0.008	0.11	0.2	0.04	2.7	0.2	<0.05	10	1.2	<0.2
1086739	Soil	10	33	0.55	287	0.096	1	1.97	0.012	0.06	0.2	0.05	3.5	<0.1	<0.05	5	<0.5	<0.2
1080237	Soil	10	38	0.73	118	0.104	1	2.29	0.009	0.06	0.2	0.05	3.5	<0.1	<0.05	6	0.6	<0.2
1086735	Soil	15	24	0.36	2481	0.070	<1	1.39	0.009	0.05	0.2	0.05	4.4	<0.1	<0.05	4	0.7	<0.2
1080230	Soil	23	52	1.24	1276	0.131	1	2.55	0.013	0.38	0.2	0.04	3.0	0.4	0.12	10	2.7	0.3
1080241	Soil	13	40	0.63	98	0.107	<1	1.99	0.009	0.07	0.2	0.05	3.2	0.1	<0.05	9	0.8	<0.2
1080244	Soil	11	32	0.40	139	0.061	1	1.42	0.009	0.06	0.1	0.04	2.0	0.1	<0.05	8	0.8	<0.2
1080242	Soil	17	52	2.08	352	0.059	<1	3.02	0.007	0.06	0.5	0.03	4.7	<0.1	<0.05	9	0.8	<0.2
1080238	Soil	11	36	0.63	135	0.087	2	1.99	0.011	0.06	0.2	0.06	3.2	0.1	<0.05	6	0.7	<0.2



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Part 1

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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		
					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
1086740	Soil				2.2	38.0	12.4	90	0.2	29.4	12.7	559	3.81	51.1	1.0	7.9	2.4	16	0.5	1.6	0.2	82	0.16	0.047
1080232	Soil				1.6	50.0	16.7	152	0.2	54.4	19.7	1047	4.10	256.3	1.4	15.6	4.0	18	0.5	15.9	0.2	95	0.21	0.069
1043796	Soil				2.5	38.2	23.0	110	0.1	30.5	9.0	329	3.53	34.6	1.1	3.5	1.1	16	0.5	3.3	0.5	75	0.17	0.069
1086745	Soil				1.3	33.5	8.8	92	0.4	33.0	14.3	408	3.05	32.5	0.7	4.7	1.8	19	0.4	1.4	0.2	72	0.21	0.046
1080233	Soil				2.6	29.0	12.6	86	<0.1	24.5	8.3	428	3.42	21.4	0.8	2.9	1.6	15	0.2	1.5	0.3	77	0.13	0.043
1080231	Soil				2.1	79.6	11.0	167	0.6	76.9	20.9	1386	4.01	38.6	2.3	2.4	3.4	23	2.3	9.9	0.2	57	0.35	0.174
1043799	Soil				2.0	38.9	13.6	83	<0.1	29.7	8.9	450	3.28	42.1	0.9	2.8	2.0	8	0.3	2.6	0.3	70	0.10	0.068
1086742	Soil				1.7	35.0	9.0	80	0.3	30.5	11.8	484	3.04	44.4	0.9	4.8	2.2	13	0.4	1.4	0.2	70	0.15	0.038
1086748	Soil				3.3	29.1	17.4	194	<0.1	35.9	15.6	1784	5.14	71.0	1.3	0.9	2.6	22	0.7	2.6	0.2	48	0.32	0.143
1043800	Soil				1.0	31.4	8.6	74	0.2	28.6	11.4	236	2.59	48.2	0.9	5.4	3.3	10	0.3	2.4	0.2	51	0.13	0.052
1086743	Soil				2.4	58.4	12.4	113	<0.1	36.1	11.0	357	3.56	83.1	1.2	13.9	0.9	15	0.5	3.5	0.2	73	0.11	0.067
1043797	Soil				2.5	29.5	13.8	84	<0.1	25.9	8.1	307	3.46	41.2	0.8	4.1	1.5	14	0.2	1.8	0.2	80	0.15	0.045
1086736	Soil				3.6	146.4	9.8	200	1.2	97.2	36.1	5908	3.59	229.8	2.5	10.8	3.2	17	1.0	4.7	0.1	60	0.10	0.070
1043798	Soil				2.3	28.2	12.9	78	<0.1	24.5	7.7	278	3.29	40.0	0.7	2.6	1.3	14	0.3	1.9	0.2	78	0.14	0.048
1080236	Soil				4.5	171.8	9.8	269	0.5	88.9	23.3	637	3.14	25.3	2.3	2.2	2.9	27	1.3	3.7	0.2	131	0.44	0.201
1086589	Soil				1.1	27.1	15.3	117	<0.1	29.3	10.3	454	3.00	9.9	0.9	2.9	3.0	15	0.3	0.5	0.2	64	0.20	0.030
1086591	Soil				1.8	34.1	19.5	108	<0.1	29.7	13.0	730	3.22	12.8	1.1	2.4	2.7	16	0.4	0.8	0.3	62	0.17	0.050
1086601	Soil				0.7	21.4	15.8	85	<0.1	20.4	8.3	407	2.36	6.6	1.9	1.1	5.4	12	0.2	0.3	0.2	52	0.16	0.023
1086610	Soil				0.5	22.3	21.4	82	<0.1	20.2	9.9	605	2.53	5.3	2.2	1.1	4.4	42	0.3	0.2	0.2	52	0.50	0.081
1086609	Soil				1.0	28.8	17.8	80	<0.1	28.0	11.2	686	2.79	9.2	1.2	4.4	2.5	22	0.3	0.5	0.2	60	0.30	0.054
1086584	Soil				1.2	27.3	7.5	57	<0.1	11.8	7.0	431	2.13	5.1	0.5	<0.5	0.6	15	0.2	0.4	0.2	55	0.16	0.060
1086583	Soil				1.1	24.2	12.8	76	0.1	25.9	9.9	340	2.84	9.5	0.8	3.3	2.9	14	0.3	0.5	0.2	64	0.18	0.041
1086588	Soil				1.5	32.8	23.1	108	<0.1	29.7	12.1	637	3.09	12.0	1.0	1.4	4.1	16	0.4	0.7	0.3	61	0.19	0.049
1086585	Soil				0.8	24.9	19.0	74	<0.1	28.1	13.2	513	2.92	9.7	0.9	2.2	5.1	16	0.4	0.4	0.2	67	0.23	0.034
1086587	Soil				0.9	30.1	21.4	104	<0.1	31.5	11.9	427	2.79	7.6	0.9	0.9	4.0	22	0.4	0.5	0.3	58	0.32	0.036
1086596	Soil				1.1	23.1	21.3	85	<0.1	24.5	9.0	469	2.91	9.2	0.8	3.9	1.0	20	0.1	0.6	0.2	63	0.26	0.049
1086595	Soil				0.9	19.6	17.6	124	<0.1	19.1	7.3	414	2.17	6.2	2.0	1.8	4.5	11	0.3	0.4	0.3	40	0.14	0.028
1086586	Soil				1.0	29.2	16.0	85	<0.1	28.7	11.1	480	2.79	8.9	0.9	2.5	4.7	17	0.3	0.5	0.2	62	0.24	0.037
1086593	Soil				1.0	27.5	17.5	90	<0.1	26.4	10.1	476	2.62	8.2	1.5	4.2	5.9	15	0.3	0.5	0.2	54	0.18	0.027
1086590	Soil				1.4	31.2	29.8	116	<0.1	28.4	11.5	629	2.81	10.2	1.0	3.4	5.0	16	0.4	0.6	0.3	51	0.17	0.044



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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
1086740	Soil	12	41	0.57	271	0.102	2	2.13	0.010	0.06	0.2	0.05	3.2	0.1	<0.05	7	0.7	<0.2
1080232	Soil	20	55	0.99	367	0.099	1	2.60	0.014	0.18	0.1	0.04	4.9	0.2	<0.05	9	0.7	<0.2
1043796	Soil	18	33	0.48	179	0.053	<1	1.75	0.009	0.05	0.1	0.05	2.1	0.1	<0.05	7	0.6	<0.2
1086745	Soil	9	39	0.64	282	0.087	1	2.31	0.012	0.04	0.1	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
1080233	Soil	10	35	0.57	139	0.068	1	1.67	0.009	0.07	0.1	0.04	2.4	0.1	<0.05	8	0.7	<0.2
1080231	Soil	14	34	0.51	328	0.040	1	2.09	0.015	0.06	0.3	0.06	4.7	<0.1	<0.05	4	1.9	<0.2
1043799	Soil	10	37	0.44	108	0.064	2	1.33	0.005	0.19	0.1	0.02	1.9	0.1	<0.05	6	1.6	<0.2
1086742	Soil	9	34	0.48	351	0.076	1	1.75	0.009	0.05	0.1	0.05	3.1	<0.1	<0.05	6	0.9	<0.2
1086748	Soil	23	14	0.39	2584	0.012	<1	2.10	0.008	0.12	<0.1	0.02	6.5	<0.1	<0.05	9	1.6	<0.2
1043800	Soil	10	31	0.37	73	0.057	1	1.45	0.009	0.07	0.1	0.04	2.1	0.1	<0.05	4	1.4	<0.2
1086743	Soil	11	34	0.36	398	0.042	<1	1.59	0.007	0.04	0.1	0.02	2.4	0.1	<0.05	7	1.2	<0.2
1043797	Soil	9	36	0.47	111	0.058	<1	1.60	0.006	0.08	0.1	0.03	2.1	0.1	<0.05	9	1.0	<0.2
1086736	Soil	14	23	0.30	2363	0.059	1	1.27	0.007	0.05	0.2	0.05	4.1	<0.1	<0.05	4	0.9	<0.2
1043798	Soil	9	35	0.42	107	0.054	1	1.54	0.006	0.07	<0.1	0.03	2.1	0.1	<0.05	8	1.0	<0.2
1080236	Soil	14	49	0.66	175	0.063	2	2.20	0.008	0.06	0.3	0.03	3.1	0.2	<0.05	6	1.8	<0.2
1086589	Soil	15	34	0.58	98	0.085	2	1.99	0.010	0.06	0.2	0.03	2.7	<0.1	<0.05	7	0.9	<0.2
1086591	Soil	22	33	0.60	97	0.068	3	2.02	0.012	0.07	0.2	0.06	2.5	<0.1	<0.05	7	0.8	<0.2
1086601	Soil	29	31	0.41	52	0.094	<1	1.70	0.010	0.06	0.2	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
1086610	Soil	34	27	0.55	84	0.081	<1	1.76	0.019	0.06	0.2	0.02	3.0	<0.1	<0.05	7	0.6	<0.2
1086609	Soil	16	34	0.56	133	0.073	2	1.99	0.014	0.05	0.2	0.06	3.1	<0.1	<0.05	7	0.6	<0.2
1086584	Soil	7	16	0.22	68	0.052	1	0.97	0.014	0.04	0.1	0.06	1.1	<0.1	0.07	5	<0.5	<0.2
1086583	Soil	12	33	0.51	75	0.093	<1	1.99	0.011	0.05	0.2	0.04	2.6	<0.1	<0.05	6	0.6	<0.2
1086588	Soil	18	34	0.59	90	0.076	1	2.09	0.013	0.07	0.2	0.04	2.7	0.1	<0.05	8	0.7	<0.2
1086585	Soil	18	36	0.58	102	0.111	3	2.18	0.014	0.06	0.2	0.04	3.5	<0.1	<0.05	7	<0.5	<0.2
1086587	Soil	14	41	0.76	98	0.116	3	2.26	0.019	0.12	0.3	0.02	2.9	0.3	<0.05	7	0.8	<0.2
1086596	Soil	11	35	0.53	85	0.075	2	2.05	0.009	0.06	0.1	0.06	2.7	<0.1	<0.05	8	<0.5	<0.2
1086595	Soil	24	23	0.35	56	0.063	1	1.63	0.010	0.05	0.1	0.04	1.8	<0.1	<0.05	6	<0.5	<0.2
1086586	Soil	14	33	0.56	107	0.108	2	2.22	0.014	0.07	0.2	0.04	3.1	<0.1	<0.05	6	0.6	<0.2
1086593	Soil	27	33	0.55	87	0.087	2	2.09	0.012	0.06	0.1	0.03	3.0	<0.1	<0.05	7	0.8	<0.2
1086590	Soil	17	31	0.57	77	0.069	2	2.16	0.014	0.06	0.4	0.04	2.6	<0.1	<0.05	8	0.7	<0.2



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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
1086603	Soil	0.6	26.8	19.8	75	<0.1	24.6	9.4	455	2.44	7.2	1.5	2.7	5.1	15	0.4	0.4	0.2	52	0.20	0.026
1086602	Soil	0.6	20.0	20.9	87	<0.1	42.3	12.1	403	2.59	6.3	0.9	1.1	3.9	14	0.2	0.3	0.2	58	0.22	0.028
1086607	Soil	1.0	22.5	16.2	87	<0.1	22.4	9.1	465	2.44	7.3	0.9	1.6	2.8	17	0.3	0.4	0.3	51	0.21	0.033
1086605	Soil	0.9	27.1	19.3	88	<0.1	23.6	10.0	495	2.54	7.6	2.0	2.6	6.1	16	0.8	0.4	0.2	57	0.18	0.020
1086594	Soil	1.1	23.9	11.6	87	<0.1	24.1	8.9	421	2.56	7.9	1.3	2.1	4.0	14	0.3	0.5	0.2	52	0.16	0.032
1086598	Soil	1.8	36.4	53.2	115	<0.1	28.3	12.2	631	2.90	11.4	1.4	1.8	3.4	18	0.4	0.8	0.2	52	0.20	0.047
1086604	Soil	1.1	27.7	22.0	97	<0.1	24.3	10.2	503	2.66	9.5	1.2	1.2	4.8	12	0.4	0.5	0.2	52	0.14	0.029
1086606	Soil	0.9	20.9	19.3	80	<0.1	24.0	8.9	404	2.45	7.2	0.9	0.9	2.7	15	0.3	0.4	0.2	52	0.18	0.032
1086597	Soil	1.2	33.2	21.5	123	<0.1	25.3	11.5	758	2.62	9.4	1.7	2.7	3.7	17	0.3	0.6	0.3	51	0.20	0.051
1086600	Soil	1.9	28.7	14.0	104	<0.1	26.9	9.4	483	3.15	11.0	0.8	1.0	1.9	16	0.3	0.8	0.3	65	0.17	0.042
1086613	Soil	2.4	34.8	19.2	124	0.1	30.2	11.8	707	3.72	15.3	0.9	2.1	2.5	17	0.3	1.0	0.3	74	0.18	0.047
1086611	Soil	0.7	24.7	23.1	86	<0.1	21.7	9.7	581	2.61	5.6	2.3	1.1	4.5	43	0.3	0.3	0.2	53	0.51	0.093
1086608	Soil	0.9	25.7	15.8	84	<0.1	28.4	11.6	538	2.74	8.3	1.2	2.3	4.6	18	0.3	0.4	0.2	59	0.19	0.024
1086612	Soil	1.4	30.3	20.4	86	0.1	31.0	12.6	579	3.38	12.1	1.2	4.5	5.0	19	0.5	0.7	0.4	74	0.20	0.040
1086614	Soil	2.5	36.7	20.4	124	0.1	30.0	12.8	758	3.65	14.1	0.9	2.3	2.3	21	0.2	1.1	0.3	79	0.17	0.053
1080119	Soil	2.9	36.6	15.5	73	<0.1	20.9	7.1	214	2.78	8.8	0.9	2.1	2.6	21	0.3	1.2	0.3	75	0.15	0.031
1080111	Soil	1.7	22.4	23.2	156	0.1	31.8	13.5	540	3.57	12.8	0.9	2.2	4.6	29	0.3	0.7	0.3	67	0.20	0.057
1080112	Soil	1.1	26.5	41.2	108	<0.1	31.9	11.6	386	3.32	9.8	1.0	4.2	7.3	24	0.3	0.6	0.4	74	0.24	0.039
1080107	Soil	0.8	32.0	18.4	78	<0.1	33.6	13.9	487	3.12	9.9	0.7	3.7	5.1	31	0.3	0.6	0.2	73	0.31	0.042
1080120	Soil	1.7	21.0	19.3	92	<0.1	17.5	7.6	264	2.67	8.5	0.9	3.5	3.3	18	0.3	0.6	0.4	67	0.17	0.041
1080103	Soil	1.3	10.5	37.4	123	<0.1	13.8	8.1	769	2.51	1.8	2.9	<0.5	17.8	26	0.7	0.1	0.3	48	0.44	0.089
1080110	Soil	0.8	23.6	16.3	115	<0.1	26.3	10.5	466	2.96	8.4	1.3	1.2	6.0	33	0.5	0.4	0.2	67	0.30	0.051
1080105	Soil	1.1	27.7	18.7	80	<0.1	32.3	14.2	495	3.26	11.5	0.8	2.7	5.2	22	0.4	0.6	0.2	70	0.24	0.044
1080104	Soil	0.9	27.6	16.4	87	<0.1	32.1	12.9	523	3.18	11.1	0.8	4.5	6.5	24	0.5	0.6	0.2	71	0.27	0.037
1080106	Soil	0.7	28.1	13.1	71	<0.1	31.5	13.1	507	2.95	9.7	0.6	2.2	4.4	32	0.3	0.5	0.2	69	0.28	0.026
1086599	Soil	0.8	26.2	12.0	68	<0.1	27.9	11.3	447	2.64	7.7	0.8	1.8	2.6	22	0.2	0.4	0.1	63	0.27	0.031
1086592	Soil	0.5	27.4	19.0	132	<0.1	34.0	13.4	718	3.36	6.1	2.4	2.8	4.0	29	0.6	0.4	0.3	68	0.30	0.021
1080113	Soil	0.8	19.4	25.2	111	<0.1	24.9	10.9	511	2.79	8.2	1.7	2.5	8.8	28	0.4	0.5	0.2	64	0.32	0.071
1080108	Soil	0.8	28.6	19.1	85	<0.1	31.0	12.2	552	3.08	9.9	1.1	3.8	8.3	32	0.4	0.6	0.2	71	0.27	0.033
1080109	Soil	0.7	21.5	16.8	74	<0.1	29.7	11.3	440	2.84	8.2	0.8	3.2	5.3	40	0.2	0.5	0.2	68	0.28	0.025



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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
1086603	Soil	22	34	0.49	78	0.096	1	1.77	0.011	0.07	0.2	0.02	2.8	<0.1	<0.05	6	0.7	<0.2
1086602	Soil	19	64	0.73	61	0.138	2	2.04	0.013	0.14	0.2	0.02	3.2	0.2	<0.05	7	0.6	<0.2
1086607	Soil	13	26	0.44	87	0.080	2	1.65	0.011	0.05	0.1	0.04	2.0	<0.1	<0.05	6	<0.5	<0.2
1086605	Soil	40	35	0.54	75	0.112	<1	1.89	0.011	0.05	0.2	0.01	3.7	<0.1	<0.05	6	0.5	<0.2
1086594	Soil	17	27	0.44	72	0.075	<1	1.81	0.017	0.05	0.2	0.03	2.3	<0.1	<0.05	7	<0.5	<0.2
1086598	Soil	17	32	0.60	69	0.067	2	1.97	0.016	0.07	0.1	0.04	2.5	<0.1	<0.05	7	0.8	<0.2
1086604	Soil	18	35	0.50	68	0.088	1	1.83	0.010	0.07	0.2	0.03	2.6	0.1	<0.05	7	<0.5	<0.2
1086606	Soil	17	29	0.47	68	0.091	1	1.75	0.011	0.05	0.2	0.03	2.2	<0.1	<0.05	6	0.5	<0.2
1086597	Soil	24	29	0.50	81	0.067	2	1.82	0.014	0.06	0.1	0.06	2.6	<0.1	0.06	7	<0.5	<0.2
1086600	Soil	9	32	0.54	87	0.075	2	1.87	0.009	0.06	<0.1	0.04	2.3	0.2	<0.05	8	<0.5	<0.2
1086613	Soil	11	39	0.64	94	0.083	2	2.01	0.010	0.07	0.2	0.04	2.5	0.1	<0.05	9	<0.5	<0.2
1086611	Soil	36	30	0.58	93	0.083	<1	1.93	0.018	0.06	0.2	0.02	3.0	<0.1	<0.05	7	<0.5	<0.2
1086608	Soil	21	37	0.61	88	0.115	2	2.21	0.014	0.06	0.1	0.02	3.4	<0.1	<0.05	7	<0.5	<0.2
1086612	Soil	20	43	0.73	94	0.123	2	2.63	0.016	0.06	0.2	0.04	3.7	<0.1	<0.05	7	<0.5	<0.2
1086614	Soil	11	38	0.62	109	0.078	1	1.80	0.014	0.07	0.2	0.06	2.4	<0.1	0.05	9	<0.5	<0.2
1080119	Soil	20	23	0.29	86	0.056	<1	1.27	0.012	0.04	0.1	0.03	1.8	<0.1	<0.05	8	<0.5	<0.2
1080111	Soil	13	39	0.57	111	0.089	2	2.98	0.012	0.06	0.2	0.06	3.0	<0.1	0.06	8	<0.5	<0.2
1080112	Soil	17	40	0.61	151	0.111	1	2.67	0.016	0.06	0.2	0.03	3.3	<0.1	<0.05	7	<0.5	<0.2
1080107	Soil	11	41	0.70	155	0.135	3	2.60	0.019	0.09	0.2	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
1080120	Soil	23	23	0.32	87	0.067	1	1.65	0.017	0.05	0.2	0.03	1.8	<0.1	<0.05	7	<0.5	<0.2
1080103	Soil	78	28	0.73	69	0.010	<1	1.64	0.009	0.17	0.2	<0.01	4.5	<0.1	<0.05	7	<0.5	<0.2
1080110	Soil	19	32	0.57	174	0.145	1	2.51	0.022	0.05	0.2	0.03	3.1	<0.1	<0.05	6	<0.5	<0.2
1080105	Soil	15	39	0.67	152	0.126	3	2.57	0.018	0.10	0.2	0.03	3.9	<0.1	<0.05	7	<0.5	<0.2
1080104	Soil	16	41	0.73	185	0.137	3	2.64	0.020	0.10	0.2	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
1080106	Soil	13	38	0.70	164	0.132	2	2.57	0.022	0.09	0.1	0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
1086599	Soil	12	35	0.65	96	0.111	2	2.25	0.017	0.06	0.1	0.04	3.0	<0.1	<0.05	6	<0.5	<0.2
1086592	Soil	42	65	0.89	113	0.114	2	2.65	0.017	0.08	<0.1	0.02	5.5	<0.1	<0.05	9	<0.5	<0.2
1080113	Soil	39	34	0.58	105	0.122	2	1.86	0.021	0.08	0.2	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
1080108	Soil	19	41	0.74	222	0.134	2	2.61	0.020	0.10	0.2	0.02	4.2	<0.1	<0.05	7	<0.5	<0.2
1080109	Soil	15	39	0.67	185	0.130	2	2.30	0.020	0.07	0.2	0.01	3.6	<0.1	<0.05	5	<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	2	0.01	0.001
1080044	Soil	1.5	43.2	29.5	133	<0.1	25.2	17.4	698	3.22	8.0	1.8	12.4	4.6	26	0.6	0.6	0.4	72	0.27	0.038
1080045	Soil	1.6	30.6	27.7	123	<0.1	28.1	13.6	454	3.67	10.7	1.1	3.0	3.7	40	0.3	0.7	0.4	82	0.24	0.051
1080046	Soil	3.7	62.5	18.0	79	0.3	38.3	16.5	455	3.88	10.2	0.9	3.2	4.6	27	0.3	0.7	0.4	89	0.32	0.043
1080043	Soil	1.7	41.9	23.8	79	0.3	20.9	15.7	552	3.73	8.9	1.3	3.5	3.8	33	0.4	0.6	0.4	78	0.43	0.077
1080041	Soil	2.1	30.5	19.2	82	<0.1	27.1	15.7	656	3.47	10.8	1.3	6.1	5.2	26	0.4	0.8	0.3	73	0.26	0.048
1080040	Soil	1.0	32.1	11.5	75	<0.1	25.1	15.9	543	3.34	8.4	1.0	6.2	4.5	26	0.2	0.6	0.3	75	0.35	0.077



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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
1080044	Soil	73	32	0.66	86	0.172	2	2.21	0.021	0.08	0.5	0.03	3.9	0.1	<0.05	7	<0.5	<0.2
1080045	Soil	26	42	0.72	105	0.148	2	2.58	0.017	0.09	0.3	0.04	3.6	0.1	<0.05	8	<0.5	<0.2
1080046	Soil	16	56	0.89	103	0.200	2	2.77	0.027	0.16	0.5	0.04	4.7	0.2	<0.05	9	<0.5	<0.2
1080043	Soil	34	36	0.76	108	0.172	2	2.12	0.020	0.10	0.5	0.02	4.5	0.1	<0.05	7	<0.5	<0.2
1080041	Soil	18	38	0.67	99	0.136	2	2.34	0.017	0.08	0.3	0.03	3.7	<0.1	<0.05	8	<0.5	<0.2
1080040	Soil	22	35	0.71	128	0.146	2	2.33	0.021	0.11	0.2	0.02	4.2	<0.1	<0.05	7	<0.5	<0.2



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Client:

Ryan Gold Corp.

600 - 666 Burrard St.

Vancouver BC V6C 1H2 Canada

Project:

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Report Date:

August 04, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11000711.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1082088	Soil	1.0	30.7	41.7	157	0.1	25.6	14.6	705	3.48	15.5	1.3	2.3	7.2	23	0.3	0.4	0.4	69	0.44	0.064
REP 1082088	QC	0.8	30.9	41.0	157	<0.1	24.0	14.3	690	3.41	15.0	1.3	1.2	7.1	22	0.3	0.4	0.4	70	0.43	0.063
1045591	Soil	1.1	32.6	27.0	104	<0.1	28.8	12.5	517	3.15	10.3	2.0	1.4	11.4	17	0.3	0.5	0.3	65	0.21	0.030
REP 1045591	QC	1.1	32.6	26.9	104	<0.1	28.6	12.4	517	3.18	10.6	2.0	2.2	11.1	17	0.3	0.5	0.3	64	0.20	0.032
1045599	Soil	0.9	26.4	33.5	101	0.1	28.7	11.5	528	3.55	10.6	2.8	0.9	18.1	24	0.3	0.5	0.4	68	0.21	0.037
REP 1045599	QC	1.0	27.3	32.2	103	0.1	29.0	11.1	495	3.40	10.0	2.8	2.6	18.4	24	0.3	0.5	0.3	66	0.21	0.037
1045596	Soil	0.9	21.6	13.1	64	<0.1	25.5	10.4	382	3.49	9.3	2.1	2.3	11.3	22	0.2	0.4	0.4	69	0.24	0.027
REP 1045596	QC	1.1	20.9	13.0	62	<0.1	25.6	10.0	367	3.32	8.6	2.2	3.7	11.5	20	0.2	0.5	0.4	68	0.22	0.028
1082184	Soil	1.6	64.2	14.3	91	0.2	30.4	10.2	265	2.41	204.1	1.0	12.1	2.7	16	0.3	1.0	0.5	44	0.05	0.042
REP 1082184	QC	1.6	68.0	15.0	95	0.2	33.2	10.5	278	2.54	210.7	1.1	11.6	2.9	16	0.3	1.0	0.5	46	0.05	0.045
1086717	Soil	2.1	52.3	5.9	53	0.1	72.7	17.2	509	3.04	7.2	0.9	1.6	5.1	23	0.1	0.3	0.1	63	0.40	0.039
REP 1086717	QC	2.2	55.3	6.4	56	0.2	75.3	18.8	546	3.27	8.1	0.9	2.2	5.7	24	0.1	0.3	0.1	66	0.41	0.041
1086702	Soil	1.8	52.2	10.5	69	0.6	25.2	11.9	463	3.45	28.5	0.8	8.0	3.0	14	0.3	0.8	0.5	72	0.16	0.070
REP 1086702	QC	1.9	51.6	10.4	67	0.6	24.6	11.9	454	3.33	27.5	0.8	10.6	2.9	14	0.3	0.6	0.5	70	0.15	0.068
1080325	Soil	9.6	135.1	56.8	1491	1.9	264.3	31.9	703	4.16	61.6	1.8	5.4	4.1	48	5.8	6.5	0.2	391	0.81	0.404
REP 1080325	QC	9.8	135.5	56.5	1492	1.8	263.5	31.4	706	4.07	62.0	1.8	4.9	4.0	48	5.7	6.4	0.2	395	0.80	0.394
1080143	Soil	0.7	22.5	11.7	68	0.1	22.0	9.9	347	2.52	3.9	2.3	3.1	6.3	23	0.2	0.3	0.2	61	0.38	0.090
REP 1080143	QC	0.5	22.7	12.1	63	0.1	21.7	9.7	353	2.38	4.1	2.5	13.6	7.0	24	0.2	0.3	0.2	59	0.39	0.093
1080128	Soil	0.6	18.6	18.3	67	<0.1	26.1	11.9	412	3.05	6.4	0.9	2.7	4.5	17	0.2	0.3	0.2	68	0.22	0.032
REP 1080128	QC	0.4	18.4	18.8	66	<0.1	23.8	12.0	416	2.91	6.2	0.8	5.9	4.3	16	<0.1	0.3	0.2	68	0.21	0.031
1080126	Soil	1.4	20.5	21.9	85	0.1	24.2	10.4	368	3.60	13.1	0.9	3.9	4.6	12	0.2	0.7	0.3	73	0.11	0.036
REP 1080126	QC	1.7	20.5	22.4	86	0.1	24.0	10.9	377	3.73	13.0	1.0	2.0	4.9	12	0.3	0.7	0.3	75	0.11	0.036
1080235	Soil	2.8	78.7	9.7	179	0.1	51.7	11.1	486	3.68	26.4	1.8	2.9	1.5	37	0.7	2.9	0.2	109	0.40	0.165
REP 1080235	QC	2.7	78.2	9.9	180	0.2	52.0	11.2	498	3.69	26.4	1.8	2.2	1.6	36	0.7	3.0	0.2	110	0.40	0.164
1086609	Soil	1.0	28.8	17.8	80	<0.1	28.0	11.2	686	2.79	9.2	1.2	4.4	2.5	22	0.3	0.5	0.2	60	0.30	0.054
REP 1086609	QC	1.0	28.4	17.4	77	<0.1	26.4	10.7	683	2.75	8.5	1.1	2.1	2.5	21	0.4	0.5	0.2	58	0.28	0.056
1086600	Soil	1.9	28.7	14.0	104	<0.1	26.9	9.4	483	3.15	11.0	0.8	1.0	1.9	16	0.3	0.8	0.3	65	0.17	0.042
REP 1086600	QC	2.0	29.2	14.4	104	<0.1	26.1	9.9	488	3.24	11.5	0.8	2.1	1.9	17	0.3	0.8	0.2	67	0.17	0.042



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Part 2

QUALITY CONTROL REPORT

WHI11000711.1

Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1082088	Soil	43	40	0.80	101	0.068	1	2.32	0.011	0.08	0.2	0.01	4.6	0.1	<0.05	10	0.8	<0.2
REP 1082088	QC	42	39	0.79	99	0.066	<1	2.23	0.013	0.07	0.3	0.02	4.5	0.1	<0.05	10	<0.5	<0.2
1045591	Soil	16	36	0.56	113	0.083	1	2.46	0.012	0.08	0.2	0.02	3.6	<0.1	<0.05	7	<0.5	<0.2
REP 1045591	QC	15	36	0.56	116	0.083	2	2.53	0.012	0.07	0.3	0.04	3.4	<0.1	<0.05	7	0.5	<0.2
1045599	Soil	36	40	0.59	124	0.099	<1	2.64	0.012	0.10	0.2	0.03	4.7	<0.1	<0.05	7	<0.5	<0.2
REP 1045599	QC	36	39	0.57	128	0.099	<1	2.58	0.012	0.11	0.2	0.04	4.4	0.1	<0.05	7	<0.5	<0.2
1045596	Soil	26	36	0.51	117	0.102	<1	2.44	0.014	0.07	0.2	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
REP 1045596	QC	25	34	0.50	116	0.098	<1	2.28	0.014	0.06	0.2	0.01	3.5	<0.1	<0.05	7	<0.5	<0.2
1082184	Soil	17	30	0.27	67	0.011	<1	1.08	0.004	0.09	<0.1	0.02	1.9	0.1	<0.05	3	0.9	0.3
REP 1082184	QC	19	32	0.28	70	0.012	<1	1.11	0.004	0.10	0.1	0.02	2.0	0.1	<0.05	3	0.7	0.3
1086717	Soil	13	92	1.17	105	0.182	<1	2.47	0.020	0.21	1.4	0.02	4.9	0.2	<0.05	7	0.6	<0.2
REP 1086717	QC	14	96	1.22	112	0.185	<1	2.65	0.022	0.22	1.4	0.01	5.3	0.2	<0.05	8	<0.5	<0.2
1086702	Soil	12	42	0.65	94	0.084	2	2.32	0.011	0.11	0.3	0.04	3.5	0.1	<0.05	8	0.6	<0.2
REP 1086702	QC	11	40	0.63	89	0.081	2	2.27	0.010	0.11	0.3	0.04	3.5	0.1	<0.05	8	<0.5	<0.2
1080325	Soil	15	69	1.23	2366	0.041	2	3.95	0.008	0.10	0.7	0.06	7.0	0.1	<0.05	7	2.7	0.3
REP 1080325	QC	16	69	1.23	2411	0.042	2	4.00	0.009	0.10	0.6	0.08	6.6	0.1	<0.05	7	3.7	<0.2
1080143	Soil	23	40	0.62	149	0.114	<1	2.27	0.012	0.09	0.2	0.04	4.7	0.1	<0.05	6	<0.5	<0.2
REP 1080143	QC	24	38	0.62	154	0.115	1	2.15	0.012	0.09	0.2	0.02	4.9	0.1	<0.05	7	<0.5	<0.2
1080128	Soil	9	34	0.62	128	0.121	<1	2.21	0.012	0.07	0.2	0.03	2.7	0.1	<0.05	6	<0.5	<0.2
REP 1080128	QC	9	34	0.62	128	0.118	1	2.26	0.014	0.07	0.2	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
1080126	Soil	12	35	0.57	81	0.076	1	2.10	0.010	0.09	0.2	0.03	2.7	0.1	<0.05	8	<0.5	<0.2
REP 1080126	QC	13	37	0.58	81	0.080	1	2.13	0.009	0.10	0.2	0.03	2.8	<0.1	<0.05	8	<0.5	<0.2
1080235	Soil	14	50	0.61	407	0.042	<1	1.97	0.008	0.05	0.2	0.04	2.8	<0.1	<0.05	8	1.4	<0.2
REP 1080235	QC	14	50	0.61	406	0.043	<1	1.99	0.008	0.05	0.1	0.04	2.9	<0.1	<0.05	8	1.2	<0.2
1086609	Soil	16	34	0.56	133	0.073	2	1.99	0.014	0.05	0.2	0.06	3.1	<0.1	<0.05	7	0.6	<0.2
REP 1086609	QC	16	33	0.56	132	0.069	2	1.98	0.013	0.05	0.2	0.05	3.0	<0.1	0.05	7	<0.5	<0.2
1086600	Soil	9	32	0.54	87	0.075	2	1.87	0.009	0.06	<0.1	0.04	2.3	0.2	<0.05	8	<0.5	<0.2
REP 1086600	QC	10	34	0.56	91	0.078	2	1.90	0.010	0.07	<0.1	0.04	2.5	0.1	<0.05	8	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000711.1

		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
1086614	Soil	2.5	36.7	20.4	124	0.1	30.0	12.8	758	3.65	14.1	0.9	2.3	2.3	21	0.2	1.1	0.3	79	0.17
REP 1086614	QC	2.3	35.9	20.1	122	0.1	29.7	12.6	749	3.59	13.7	0.9	2.6	2.2	20	0.3	1.1	0.3	78	0.17
1080105	Soil	1.1	27.7	18.7	80	<0.1	32.3	14.2	495	3.26	11.5	0.8	2.7	5.2	22	0.4	0.6	0.2	70	0.24
REP 1080105	QC	1.2	28.9	19.2	82	<0.1	33.4	14.6	502	3.26	11.9	0.8	2.5	5.2	23	0.4	0.7	0.2	72	0.25
Reference Materials																				
STD DS8	Standard	12.7	108.3	122.1	310	1.8	36.4	7.3	590	2.40	27.5	2.6	107.5	6.4	63	2.2	5.8	6.6	42	0.67
STD DS8	Standard	13.4	108.0	129.4	302	1.9	39.7	7.6	622	2.44	25.2	2.9	110.7	6.7	71	2.1	5.0	6.3	44	0.71
STD DS8	Standard	13.5	104.0	124.5	302	1.9	36.7	7.4	601	2.39	25.8	2.7	124.0	6.5	67	2.3	5.2	6.2	43	0.72
STD DS8	Standard	13.2	106.3	124.5	306	1.8	38.5	7.7	619	2.48	25.4	2.7	110.8	7.3	63	2.3	5.3	5.8	43	0.71
STD DS8	Standard	11.8	99.5	115.0	283	1.5	34.7	6.7	558	2.24	24.6	2.4	93.3	6.1	57	2.1	4.5	5.4	37	0.61
STD DS8	Standard	13.7	109.1	119.5	307	1.8	36.8	7.5	630	2.45	27.0	2.8	102.4	6.8	71	2.2	6.0	6.8	42	0.69
STD DS8	Standard	12.2	100.3	104.1	305	1.8	35.3	7.0	587	2.36	25.7	2.3	106.1	6.1	64	2.3	4.9	5.9	40	0.67
STD DS8	Standard	12.8	107.3	120.6	314	1.8	36.1	7.3	608	2.41	26.5	2.9	118.8	7.1	67	2.4	5.8	6.8	40	0.70
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
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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Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te 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
1086614	Soil	11	38	0.62	109	0.078	1	1.80	0.014	0.07	0.2	0.06	2.4	<0.1	0.05	9	<0.5	<0.2
REP 1086614	QC	11	38	0.63	106	0.081	2	1.83	0.014	0.07	0.2	0.06	2.5	<0.1	0.06	8	<0.5	<0.2
1080105	Soil	15	39	0.67	152	0.126	3	2.57	0.018	0.10	0.2	0.03	3.9	<0.1	<0.05	7	<0.5	<0.2
REP 1080105	QC	15	40	0.67	150	0.130	2	2.66	0.019	0.10	0.2	0.02	4.1	<0.1	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	114	0.60	278	0.110	3	0.88	0.091	0.42	3.0	0.20	1.8	5.4	0.15	5	4.8	4.8
STD DS8	Standard	15	117	0.56	295	0.123	1	1.00	0.110	0.43	3.0	0.21	3.0	5.4	0.18	5	4.2	4.4
STD DS8	Standard	16	115	0.53	293	0.124	2	0.93	0.081	0.42	2.9	0.23	2.3	5.2	0.19	5	5.1	5.3
STD DS8	Standard	16	117	0.60	275	0.115	3	0.91	0.096	0.42	2.7	0.21	2.7	5.2	0.17	5	5.0	4.6
STD DS8	Standard	13	107	0.54	246	0.095	3	0.86	0.090	0.35	2.6	0.16	2.2	4.8	0.14	4	5.2	4.4
STD DS8	Standard	16	116	0.62	285	0.126	2	0.90	0.091	0.42	2.9	0.19	2.2	5.3	0.16	5	5.3	5.2
STD DS8	Standard	15	106	0.58	278	0.105	2	0.90	0.090	0.39	2.9	0.18	2.0	5.1	0.13	5	5.1	4.9
STD DS8	Standard	15	112	0.61	275	0.116	2	0.89	0.084	0.42	2.9	0.20	2.2	5.4	0.15	5	5.3	4.9
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	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	<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



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Client: **Ryan Gold Corp.**
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Submitted By: Mike Skead
Receiving Lab: Canada-Whitehorse
Received: July 15, 2011
Report Date: August 09, 2011
Page: 1 of 10

CERTIFICATE OF ANALYSIS

WHI11000712.1

CLIENT JOB INFORMATION

Project: PLU
Shipment ID:
P.O. Number
Number of Samples: 255

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	255	Dry at 60C			VAN
SS80	255	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	255	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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Project:

PLU

Report Date:

August 09, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000712.1

	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 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
1082214	Soil	5.0	66.5	48.0	100	0.4	46.8	21.4	594	5.57	54.4	1.0	4.6	4.7	37	0.4	1.0	0.7	105	0.24	0.042
1082213	Soil	3.0	61.4	17.7	75	0.2	34.3	14.3	444	4.06	24.0	0.9	6.0	3.3	51	0.3	0.7	0.8	95	0.24	0.061
1082215	Soil	2.6	37.6	16.2	72	<0.1	68.3	15.0	400	4.79	36.0	0.6	2.9	3.1	17	0.3	0.8	0.4	91	0.16	0.044
1082216	Soil	3.6	43.9	12.9	51	0.1	17.2	7.4	205	3.52	12.9	0.5	3.5	1.8	22	0.2	0.8	0.3	100	0.20	0.023
1082217	Soil	1.4	39.1	12.5	66	<0.1	43.4	18.5	422	3.63	20.8	1.1	4.6	5.3	21	0.5	0.6	0.2	77	0.22	0.048
1082209	Soil	10.2	226.4	30.3	79	1.3	79.8	33.0	1099	5.14	348.8	1.4	33.7	4.1	30	0.3	3.6	0.4	92	0.50	0.175
1082208	Soil	4.6	53.3	95.3	120	1.5	51.1	20.0	692	3.86	381.8	1.0	115.4	3.4	29	0.7	2.7	0.3	87	0.28	0.077
1082211	Soil	3.6	48.6	18.1	70	0.2	37.1	13.7	369	3.89	38.3	0.8	2.4	2.1	19	0.1	0.9	0.3	91	0.15	0.050
1082210	Soil	4.0	186.4	27.5	101	0.4	61.6	31.2	978	4.51	86.9	1.1	12.6	0.9	26	0.5	1.2	0.4	88	0.25	0.096
1082212	Soil	2.7	110.4	15.1	96	0.3	71.4	22.6	910	4.23	37.2	1.3	7.6	5.6	55	0.4	0.8	3.0	80	0.45	0.075
1082242	Soil	4.9	41.1	14.2	72	<0.1	35.6	13.2	348	5.06	58.2	0.7	2.6	2.9	17	0.1	0.9	0.4	95	0.14	0.036
1082205	Soil	12.0	140.2	16.3	93	1.1	54.2	22.6	561	4.50	79.8	2.0	14.9	4.6	37	0.3	1.5	0.6	76	0.19	0.123
1082204	Soil	5.5	49.5	9.6	78	0.1	46.4	18.7	528	3.61	23.0	1.2	8.7	3.0	18	0.3	0.7	0.2	91	0.18	0.053
1082206	Soil	5.3	49.8	28.2	77	0.5	39.7	17.3	452	3.64	56.7	1.1	14.0	3.2	22	0.5	1.9	0.3	80	0.16	0.046
1082207	Soil	6.1	46.5	30.4	65	0.3	29.1	10.6	356	3.85	71.2	1.0	7.9	1.4	17	0.2	2.1	0.3	98	0.10	0.053
1081089	Soil	1.3	96.7	9.6	80	0.4	184.0	38.0	522	3.93	28.0	0.7	14.9	1.2	33	0.3	0.2	1.0	99	0.39	0.064
1081086	Soil	1.6	30.2	10.0	81	0.2	39.7	14.3	379	3.50	34.5	0.7	4.9	2.6	18	0.3	0.6	0.2	72	0.20	0.057
1081087	Soil	0.4	12.3	1.2	18	0.1	4.3	2.9	86	1.02	2.4	0.2	<0.5	<0.1	12	<0.1	0.1	<0.1	31	0.15	0.049
1081092	Soil	0.4	46.8	6.7	53	0.1	79.9	19.7	452	2.87	11.4	0.8	8.6	2.1	61	0.1	0.2	0.1	50	1.66	0.058
1081099	Soil	0.5	43.6	22.8	80	0.4	35.8	13.3	434	2.45	39.5	1.2	9.7	2.0	138	0.6	0.6	0.5	41	2.25	0.072
1082218	Soil	1.3	38.8	10.1	56	0.1	36.1	17.3	333	3.36	20.7	0.7	3.2	4.1	20	0.3	0.5	0.2	78	0.22	0.031
1082220	Soil	4.6	22.8	15.9	55	<0.1	26.8	12.5	340	3.65	19.6	0.7	2.9	4.0	18	0.2	0.6	0.2	87	0.17	0.031
1081084	Soil	2.2	34.5	12.2	61	0.9	21.4	7.9	204	3.89	18.0	0.5	4.0	1.2	19	0.5	1.0	0.3	79	0.19	0.045
1081085	Soil	2.1	30.1	12.5	70	0.4	20.6	7.5	225	3.91	52.3	0.5	11.0	1.6	17	0.3	1.1	0.3	96	0.14	0.040
1081088	Soil	1.3	28.6	3.0	30	0.2	15.7	5.9	206	1.16	4.3	0.8	3.3	0.1	19	0.6	0.3	<0.1	32	0.21	0.054
1082223	Soil	2.7	24.0	16.0	56	0.2	26.6	12.2	358	3.37	37.4	0.8	7.4	3.5	16	0.4	0.6	0.2	78	0.18	0.033
1082224	Soil	2.0	24.1	15.6	54	0.1	26.5	12.7	369	3.28	24.6	0.8	8.6	4.3	22	0.4	0.6	0.2	76	0.23	0.031
1082222	Soil	2.5	33.5	26.1	58	0.4	29.2	14.4	368	3.90	25.2	0.9	5.5	4.0	21	0.4	0.7	0.2	78	0.20	0.047
1082221	Soil	2.4	21.1	13.7	32	0.2	9.9	4.3	131	2.45	11.6	0.5	3.3	2.5	24	0.2	0.6	0.2	94	0.20	0.019
1082219	Soil	1.9	28.5	14.9	59	0.2	31.2	13.5	357	3.52	22.5	1.0	4.6	5.0	19	0.3	0.6	0.2	84	0.20	0.027



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Project: PLU
Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

WHI11000712.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1082214	Soil	11	69	0.95	120	0.114	1	2.67	0.011	0.06	0.5	0.02	4.3	0.1	<0.05	10	<0.5	<0.2
1082213	Soil	10	45	0.70	137	0.093	2	1.94	0.013	0.06	0.3	0.02	3.1	<0.1	<0.05	8	<0.5	<0.2
1082215	Soil	9	92	0.79	126	0.083	1	2.76	0.010	0.07	0.2	0.03	2.9	0.1	<0.05	9	<0.5	<0.2
1082216	Soil	8	28	0.35	124	0.060	2	1.86	0.009	0.03	0.5	0.02	2.0	<0.1	<0.05	9	<0.5	<0.2
1082217	Soil	9	45	0.76	167	0.102	3	3.65	0.014	0.08	0.5	0.03	4.3	0.1	<0.05	7	<0.5	<0.2
1082209	Soil	18	58	0.82	118	0.026	2	2.06	0.009	0.07	0.4	0.03	4.2	<0.1	<0.05	6	1.3	0.3
1082208	Soil	11	56	0.78	127	0.097	1	1.83	0.014	0.10	0.4	0.05	3.4	<0.1	<0.05	6	0.6	<0.2
1082211	Soil	10	50	0.67	67	0.085	1	2.17	0.010	0.06	0.4	0.04	2.8	<0.1	<0.05	9	<0.5	<0.2
1082210	Soil	9	49	0.74	108	0.060	2	2.56	0.014	0.08	0.2	0.06	3.5	0.1	0.06	7	0.6	0.4
1082212	Soil	16	57	0.92	139	0.119	1	2.79	0.026	0.13	1.4	0.02	5.0	0.2	<0.05	8	<0.5	<0.2
1082242	Soil	8	45	0.62	107	0.116	2	1.98	0.007	0.04	0.3	0.02	2.4	<0.1	<0.05	9	<0.5	<0.2
1082205	Soil	13	44	0.65	134	0.063	1	1.73	0.013	0.18	0.4	0.04	3.6	0.2	0.17	5	1.0	<0.2
1082204	Soil	11	50	0.70	98	0.107	2	2.03	0.012	0.10	0.4	0.05	3.5	0.1	<0.05	6	<0.5	<0.2
1082206	Soil	11	43	0.63	105	0.087	2	1.84	0.010	0.08	0.3	0.03	3.1	<0.1	<0.05	6	<0.5	<0.2
1082207	Soil	10	40	0.49	68	0.071	2	1.50	0.009	0.07	0.3	0.04	2.3	0.1	<0.05	8	<0.5	<0.2
1081089	Soil	7	168	1.78	93	0.103	<1	2.25	0.018	0.09	0.2	0.03	4.2	0.3	<0.05	7	<0.5	<0.2
1081086	Soil	8	40	0.62	123	0.103	1	2.10	0.013	0.11	0.4	0.03	2.6	0.1	<0.05	6	0.6	<0.2
1081087	Soil	3	6	0.08	36	0.039	<1	0.36	0.024	0.03	<0.1	0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
1081092	Soil	11	92	1.13	94	0.096	2	1.59	0.031	0.19	0.2	0.02	2.7	0.3	0.10	6	<0.5	<0.2
1081099	Soil	11	44	0.71	118	0.076	3	1.41	0.024	0.18	0.1	0.06	2.8	0.2	0.16	5	1.0	<0.2
1082218	Soil	9	41	0.71	175	0.095	1	3.17	0.012	0.05	0.3	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
1082220	Soil	9	36	0.64	122	0.093	2	2.51	0.011	0.06	0.2	0.02	3.2	0.1	<0.05	8	<0.5	<0.2
1081084	Soil	8	35	0.49	129	0.067	<1	2.13	0.012	0.04	0.2	0.05	1.9	<0.1	<0.05	7	0.6	<0.2
1081085	Soil	8	31	0.40	97	0.105	<1	1.38	0.010	0.06	0.7	0.03	1.8	<0.1	<0.05	8	0.7	<0.2
1081088	Soil	6	10	0.15	103	0.031	<1	0.59	0.024	0.04	<0.1	0.04	0.6	<0.1	<0.05	3	<0.5	<0.2
1082223	Soil	8	34	0.60	107	0.091	3	2.39	0.012	0.06	0.6	0.03	3.1	<0.1	<0.05	7	<0.5	<0.2
1082224	Soil	10	36	0.65	116	0.108	2	2.45	0.015	0.05	1.0	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
1082222	Soil	10	42	0.64	125	0.081	1	3.31	0.013	0.06	0.8	0.04	3.7	<0.1	<0.05	7	0.6	<0.2
1082221	Soil	10	23	0.28	84	0.074	1	1.47	0.012	0.03	0.2	0.02	1.8	0.1	<0.05	10	<0.5	<0.2
1082219	Soil	9	40	0.67	154	0.102	2	2.61	0.013	0.08	0.3	0.03	4.0	<0.1	<0.05	8	<0.5	<0.2



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Project:

PLU

Report Date:

August 09, 2011

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Part 1

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	0.1	2	0.01
1081081	Soil	2.6	64.3	28.9	199	1.1	81.0	27.8	1041	4.35	254.3	1.7	77.7	4.7	22	1.6	1.0	1.7	81	0.14	0.050
1081072	Soil	1.3	36.2	13.5	82	0.3	38.1	16.2	425	3.29	32.8	0.8	8.0	2.6	23	0.4	1.1	0.2	67	0.20	0.050
1081074	Soil	0.7	17.0	4.4	31	0.2	8.3	7.7	219	1.75	3.6	0.5	3.4	0.6	14	0.1	0.2	<0.1	51	0.17	0.048
1081071	Soil	0.9	30.7	14.5	66	0.3	32.0	12.5	452	2.85	36.5	0.7	8.7	3.1	27	0.4	0.9	0.2	56	0.27	0.083
1081073	Soil	1.3	31.9	11.5	99	0.3	43.4	17.6	340	3.30	19.7	0.7	5.1	2.7	22	0.3	0.8	0.2	70	0.21	0.048
1081090	Soil	1.8	47.2	14.9	104	0.2	107.5	29.5	747	3.74	17.6	0.9	1.6	1.4	44	1.0	0.4	0.3	79	1.99	0.100
1081094	Soil	0.7	59.7	62.2	127	1.1	67.2	18.9	623	3.35	146.8	1.1	30.1	3.0	98	1.4	1.7	11.5	48	1.67	0.056
1081096	Soil	0.5	40.6	26.3	74	0.6	33.8	12.7	418	2.43	63.1	0.9	11.2	1.9	129	0.4	0.5	1.3	39	2.22	0.062
1081097	Soil	0.5	38.1	15.3	72	0.3	36.4	16.0	479	3.06	56.3	1.1	9.9	2.7	105	0.3	0.4	1.0	45	1.61	0.053
1081093	Soil	0.6	62.2	42.0	149	0.8	63.2	17.7	616	2.87	111.6	0.8	20.1	1.9	102	1.9	2.3	3.6	42	1.96	0.084
1081070	Soil	2.1	34.1	30.9	82	1.0	33.4	11.2	377	4.34	62.4	0.8	74.1	3.1	17	0.4	0.9	0.5	77	0.12	0.055
1081095	Soil	0.6	54.2	46.3	86	0.7	46.0	15.3	537	3.01	111.7	0.9	21.5	2.9	103	0.8	0.8	3.3	45	1.63	0.058
1081069	Soil	1.4	32.8	22.9	67	0.8	29.3	10.1	301	3.30	41.9	0.7	26.6	2.6	18	0.3	0.7	0.3	67	0.23	0.067
1081098	Soil	0.5	37.9	15.6	72	0.3	36.4	16.1	482	2.95	57.4	1.0	9.2	2.7	107	0.3	0.4	1.0	46	1.66	0.054
1081091	Soil	0.7	43.7	7.6	49	0.2	98.3	20.5	454	2.44	11.6	0.4	1.8	0.7	50	0.3	0.3	0.3	44	3.80	0.098
1086303	Soil	1.7	38.3	9.2	110	<0.1	43.6	15.3	651	3.62	20.2	0.9	3.0	2.5	13	0.5	1.7	0.2	74	0.17	0.052
1086304	Soil	1.9	43.1	8.7	93	0.1	38.9	19.2	596	3.45	22.0	1.0	3.1	3.1	16	0.9	2.2	0.2	68	0.14	0.057
1086305	Soil	3.9	46.9	13.2	102	0.2	31.7	11.7	678	4.01	29.7	1.1	3.1	1.5	16	0.3	2.1	0.4	98	0.11	0.059
1086306	Soil	2.2	42.1	10.2	117	0.2	37.1	15.0	1030	3.76	97.9	1.2	9.9	1.8	20	0.7	3.5	0.2	64	0.12	0.084
1086307	Soil	4.2	48.9	17.5	121	0.3	29.1	12.6	1119	4.13	46.6	1.1	4.2	0.6	15	0.5	2.1	0.5	98	0.09	0.079
1081083	Soil	1.9	43.4	19.2	92	0.6	35.2	14.7	495	3.14	89.3	1.0	17.1	3.2	21	0.8	0.8	0.6	65	0.28	0.099
1081079	Soil	2.8	37.8	21.0	102	0.2	36.3	14.6	740	4.17	36.5	1.2	3.7	3.4	18	0.3	1.0	0.4	83	0.14	0.058
1081077	Soil	1.5	57.6	14.6	113	0.4	37.8	12.2	412	3.33	48.1	1.8	8.1	6.8	28	0.6	0.8	0.5	69	0.36	0.110
1086301	Soil	3.0	33.7	10.1	93	0.1	28.3	10.7	527	3.42	22.9	0.9	4.9	0.7	17	0.3	1.9	0.3	87	0.16	0.064
1086302	Soil	3.8	36.4	11.7	102	0.1	28.7	9.1	339	3.77	21.4	1.0	4.7	1.5	15	0.3	1.9	0.2	100	0.15	0.048
1081080	Soil	4.2	45.7	11.7	82	0.2	22.8	9.2	397	3.57	26.3	1.1	2.1	0.6	16	0.2	1.2	0.3	125	0.14	0.071
1081078	Soil	1.3	58.4	42.2	252	0.4	57.7	18.8	580	3.62	92.2	1.9	18.0	8.7	16	0.8	1.9	0.8	61	0.19	0.073
1081082	Soil	3.9	36.9	25.0	73	1.6	22.1	8.2	337	3.29	88.8	0.8	8.9	0.5	15	0.3	1.3	2.1	92	0.12	0.058
1081075	Soil	0.7	37.3	15.1	110	0.4	48.3	13.7	348	3.92	28.4	1.2	7.0	6.1	21	0.2	0.4	0.2	88	0.57	0.126
1081076	Soil	2.6	24.2	13.4	59	0.2	24.6	8.6	273	3.43	26.2	0.7	3.4	3.0	17	0.2	0.7	0.3	86	0.16	0.043



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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
1081081	Soil	15	55	0.81	136	0.107	1	2.49	0.009	0.18	1.5	0.04	4.2	0.3	<0.05	7	1.0	<0.2
1081072	Soil	9	41	0.69	121	0.098	2	2.46	0.012	0.10	0.2	0.04	3.5	0.1	<0.05	6	<0.5	<0.2
1081074	Soil	5	15	0.24	44	0.063	<1	0.63	0.016	0.03	<0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1081071	Soil	10	35	0.60	143	0.083	1	1.75	0.013	0.09	0.2	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
1081073	Soil	10	41	0.63	142	0.088	2	2.13	0.011	0.08	0.1	0.03	3.1	0.1	<0.05	6	1.1	<0.2
1081090	Soil	10	129	1.50	140	0.065	2	1.88	0.015	0.04	0.2	0.05	4.0	0.2	0.06	6	<0.5	<0.2
1081094	Soil	16	68	0.93	92	0.088	1	1.61	0.019	0.17	0.8	0.03	3.8	0.3	0.11	6	0.7	0.3
1081096	Soil	9	46	0.70	111	0.075	3	1.47	0.019	0.16	<0.1	0.03	2.9	0.2	0.15	5	<0.5	<0.2
1081097	Soil	11	49	0.74	119	0.093	2	1.68	0.021	0.21	0.1	0.03	3.1	0.3	0.13	6	<0.5	<0.2
1081093	Soil	12	64	0.78	89	0.061	2	1.32	0.019	0.13	0.4	0.03	3.0	0.2	0.11	4	<0.5	<0.2
1081070	Soil	10	44	0.62	123	0.098	1	2.44	0.007	0.10	0.2	0.06	3.2	0.2	<0.05	8	<0.5	0.3
1081095	Soil	13	51	0.76	101	0.076	2	1.58	0.026	0.17	0.2	0.03	3.0	0.2	0.13	5	<0.5	0.3
1081069	Soil	10	37	0.59	109	0.100	1	2.09	0.009	0.09	0.2	0.04	3.0	0.1	<0.05	6	<0.5	<0.2
1081098	Soil	11	50	0.77	120	0.096	1	1.68	0.022	0.22	0.1	0.03	3.2	0.3	0.18	6	<0.5	<0.2
1081091	Soil	6	114	2.27	87	0.047	2	1.12	0.014	0.07	0.2	0.03	2.2	0.1	0.10	4	0.7	<0.2
1086303	Soil	10	35	0.58	181	0.083	<1	2.36	0.009	0.05	0.2	0.03	3.2	0.1	<0.05	7	<0.5	<0.2
1086304	Soil	10	39	0.64	267	0.097	<1	2.45	0.010	0.07	0.2	0.03	3.6	0.1	0.05	6	0.6	<0.2
1086305	Soil	10	38	0.43	567	0.094	<1	1.61	0.008	0.07	0.1	0.04	2.5	0.1	<0.05	9	<0.5	<0.2
1086306	Soil	13	29	0.44	613	0.054	<1	1.76	0.008	0.08	0.3	0.05	3.1	0.1	0.06	6	0.8	<0.2
1086307	Soil	10	37	0.38	480	0.067	<1	1.68	0.008	0.05	0.1	0.06	2.0	0.1	0.07	9	0.9	<0.2
1081083	Soil	13	41	0.65	107	0.087	<1	1.83	0.011	0.09	0.6	0.04	3.0	0.1	<0.05	5	0.7	<0.2
1081079	Soil	13	43	0.67	98	0.101	1	2.31	0.010	0.08	0.4	0.07	3.0	0.2	<0.05	8	<0.5	<0.2
1081077	Soil	24	41	0.66	160	0.102	<1	1.45	0.018	0.17	0.8	0.01	3.5	0.2	0.06	5	<0.5	<0.2
1086301	Soil	9	34	0.45	194	0.076	2	1.62	0.008	0.06	0.1	0.04	2.0	0.1	<0.05	7	0.5	<0.2
1086302	Soil	11	35	0.50	171	0.102	2	1.85	0.007	0.05	0.1	0.02	2.3	0.1	<0.05	9	<0.5	<0.2
1081080	Soil	9	32	0.34	104	0.083	<1	1.31	0.009	0.06	0.2	0.06	1.6	0.1	0.08	9	<0.5	<0.2
1081078	Soil	37	48	0.63	134	0.057	<1	1.84	0.006	0.23	0.5	<0.01	4.3	0.8	<0.05	7	0.7	<0.2
1081082	Soil	8	26	0.30	92	0.059	<1	1.45	0.007	0.06	0.2	0.07	1.5	0.1	0.09	8	0.6	<0.2
1081075	Soil	20	67	1.14	177	0.111	<1	2.54	0.015	0.19	0.4	0.02	4.4	0.2	<0.05	7	<0.5	<0.2
1081076	Soil	10	35	0.48	95	0.094	<1	1.84	0.009	0.07	0.2	0.03	2.5	0.1	<0.05	8	<0.5	<0.2



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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
1086311	Soil	5.6	72.6	16.7	303	0.3	68.9	14.1	1050	3.48	49.1	2.5	3.5	0.7	38	1.8	3.6	0.3	51	0.23	0.133
1086310	Soil	8.4	81.2	12.5	148	0.3	39.2	17.4	920	4.27	50.1	3.6	10.3	0.9	31	1.2	5.3	0.3	105	0.15	0.132
1086309	Soil	9.7	251.1	9.8	471	0.8	159.1	28.3	1051	5.39	66.7	6.7	7.6	3.2	29	6.8	5.7	0.2	144	0.18	0.114
1085230	Soil	2.5	36.4	20.1	99	0.1	24.0	10.8	515	3.30	23.5	1.0	2.8	0.7	17	0.5	1.4	0.2	73	0.17	0.082
1085221	Soil	3.9	37.4	11.0	89	0.2	29.2	11.2	358	3.22	59.8	1.4	3.1	1.5	17	0.5	1.8	0.2	76	0.17	0.065
1086316	Soil	2.5	41.0	9.5	126	0.4	31.1	10.9	399	2.79	15.9	0.8	1.8	1.6	22	2.0	3.2	0.2	80	0.24	0.072
1086317	Soil	2.8	32.7	11.0	213	0.5	23.5	12.2	558	2.91	12.3	0.7	1.0	0.6	20	4.4	1.7	0.2	71	0.19	0.080
1086319	Soil	1.4	43.6	4.7	89	0.2	26.8	9.6	886	1.82	10.5	1.9	3.1	0.8	50	1.0	2.0	0.1	50	1.42	0.098
1086318	Soil	0.5	26.1	2.4	40	0.1	8.6	5.0	155	1.12	3.0	0.9	<0.5	0.3	28	0.5	0.5	<0.1	35	0.65	0.057
1086312	Soil	4.3	71.0	53.8	305	0.4	59.8	20.4	955	4.58	79.0	1.4	6.4	1.1	25	1.8	4.9	0.3	79	0.22	0.105
1086308	Soil	3.5	45.8	14.7	143	0.2	34.0	19.7	1178	4.08	26.3	1.0	4.5	0.6	25	0.4	1.9	0.3	87	0.21	0.119
1086313	Soil	3.7	59.4	16.8	144	0.9	41.3	13.1	752	3.91	41.3	1.4	5.8	1.0	30	1.3	3.3	0.3	74	0.19	0.106
1086336	Soil	3.5	47.0	22.9	205	0.6	40.1	13.6	974	4.13	49.6	1.0	1.8	1.7	30	1.6	2.7	0.4	74	0.23	0.094
1086314	Soil	1.6	30.6	7.7	93	0.5	18.6	9.6	923	2.08	9.6	0.8	2.3	0.2	29	2.1	0.9	0.2	50	0.31	0.118
1086315	Soil	0.9	15.2	2.9	44	0.3	6.4	3.7	138	1.16	4.9	0.3	<0.5	0.5	16	0.9	0.6	0.1	34	0.15	0.068
1086206	Soil	0.7	42.8	12.6	81	0.3	48.2	14.8	237	2.98	14.9	1.0	5.2	5.0	30	0.2	0.5	0.2	73	0.50	0.058
1081420	Soil	0.6	103.2	9.0	89	0.6	137.2	28.2	688	4.92	72.5	1.0	7.4	3.4	38	0.2	1.0	0.2	112	0.78	0.121
1045586	Soil	1.5	34.9	10.5	71	0.4	43.2	15.1	443	3.65	147.7	0.8	22.9	3.5	22	0.3	1.1	0.2	77	0.26	0.070
1045585	Soil	2.0	44.1	10.5	91	0.3	44.2	16.9	389	3.98	114.8	1.0	18.6	4.3	19	0.2	1.2	0.2	67	0.11	0.043
1086213	Soil	2.7	40.9	13.1	85	0.3	31.8	12.3	415	4.80	90.4	0.9	6.6	3.0	19	0.2	0.9	0.3	98	0.19	0.067
1085227	Soil	3.0	31.8	16.6	78	<0.1	26.9	8.8	259	3.24	41.5	1.1	3.8	2.1	19	0.3	1.9	0.2	79	0.18	0.047
1085225	Soil	5.4	44.3	14.6	106	0.2	28.3	11.3	585	4.02	55.1	1.2	1.7	1.3	18	0.3	2.5	0.4	91	0.13	0.077
1085226	Soil	2.2	31.7	9.5	71	0.1	27.3	10.7	364	2.91	36.0	1.1	9.9	2.6	18	0.3	1.5	0.1	68	0.21	0.048
1085223	Soil	3.7	33.6	8.9	62	0.2	14.3	5.5	201	2.84	164.4	0.9	18.6	1.1	20	0.3	4.5	0.2	78	0.12	0.072
1085224	Soil	2.5	45.7	13.8	93	0.2	34.5	15.0	452	3.58	169.0	1.1	10.3	3.4	23	0.6	2.9	0.2	85	0.15	0.076
1085222	Soil	3.9	33.1	9.8	84	0.2	26.3	9.3	349	3.13	68.3	1.3	5.2	1.5	18	0.4	2.0	0.2	70	0.16	0.066
1085220	Soil	2.2	55.5	9.4	112	0.6	40.1	13.5	950	3.45	123.4	1.1	6.2	1.6	18	0.6	2.9	0.3	75	0.18	0.068
1085231	Soil	1.7	38.3	11.1	81	0.1	32.4	14.4	465	3.47	26.0	0.9	4.0	3.2	18	0.5	1.7	0.2	68	0.20	0.044
1085229	Soil	3.0	53.2	109.5	194	0.2	40.2	18.6	696	3.50	79.6	1.5	5.8	3.8	17	1.1	3.7	0.2	57	0.19	0.104
1085228	Soil	2.0	34.5	15.4	91	0.2	31.9	16.2	525	3.49	27.1	0.8	2.7	2.6	18	0.4	1.5	0.2	70	0.18	0.060



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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
1086311	Soil	21	21	0.31	665	0.028	<1	1.47	0.008	0.09	0.2	0.04	1.8	0.1	<0.05	7	1.1	<0.2
1086310	Soil	12	42	0.51	526	0.049	2	1.82	0.009	0.10	0.3	0.06	2.2	0.2	0.11	7	1.8	0.2
1086309	Soil	16	34	0.47	699	0.068	<1	1.77	0.006	0.07	0.3	0.09	4.0	0.2	<0.05	5	1.7	0.3
1085230	Soil	8	31	0.42	388	0.055	1	1.53	0.010	0.06	0.1	0.07	2.0	<0.1	<0.05	6	0.8	<0.2
1085221	Soil	12	36	0.49	616	0.074	<1	2.18	0.010	0.06	0.2	0.03	2.7	0.1	<0.05	6	1.0	<0.2
1086316	Soil	8	27	0.47	416	0.058	<1	1.44	0.014	0.08	0.2	0.02	2.5	<0.1	<0.05	5	0.6	<0.2
1086317	Soil	8	24	0.36	328	0.058	<1	1.28	0.012	0.10	0.1	0.03	1.6	<0.1	<0.05	6	<0.5	<0.2
1086319	Soil	9	24	0.44	503	0.054	2	1.03	0.023	0.09	<0.1	0.03	2.9	<0.1	0.06	3	1.1	<0.2
1086318	Soil	5	9	0.16	259	0.049	1	0.61	0.034	0.04	<0.1	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
1086312	Soil	11	41	0.59	393	0.062	<1	1.76	0.007	0.09	0.1	0.04	2.4	<0.1	0.06	7	1.1	<0.2
1086308	Soil	8	39	0.55	750	0.052	1	1.67	0.010	0.08	0.2	0.07	1.8	0.1	0.09	8	1.0	<0.2
1086313	Soil	10	31	0.43	1225	0.048	<1	1.66	0.010	0.08	0.2	0.06	2.3	<0.1	0.09	7	1.1	<0.2
1086336	Soil	11	29	0.47	705	0.052	3	1.74	0.011	0.09	0.1	0.03	2.6	0.1	0.08	7	1.0	<0.2
1086314	Soil	6	19	0.27	761	0.023	2	1.05	0.015	0.07	<0.1	0.04	0.6	<0.1	0.12	4	<0.5	<0.2
1086315	Soil	4	8	0.13	165	0.050	<1	0.56	0.024	0.05	<0.1	0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
1086206	Soil	15	59	0.92	211	0.128	1	2.33	0.020	0.18	0.2	0.03	5.2	0.2	0.05	7	0.6	<0.2
1081420	Soil	15	158	1.69	152	0.147	1	2.59	0.019	0.20	0.1	0.02	9.9	0.2	0.06	9	0.7	<0.2
1045586	Soil	11	56	0.72	150	0.128	2	2.08	0.011	0.26	0.1	0.02	3.8	0.2	0.06	7	0.6	<0.2
1045585	Soil	13	41	0.57	134	0.106	1	2.10	0.008	0.33	<0.1	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
1086213	Soil	10	44	0.62	142	0.137	2	2.32	0.009	0.22	0.2	0.03	3.3	0.2	0.07	9	0.6	<0.2
1085227	Soil	10	34	0.43	254	0.090	2	1.69	0.009	0.05	0.2	0.01	2.5	<0.1	<0.05	7	0.8	<0.2
1085225	Soil	10	37	0.56	1177	0.074	2	1.91	0.011	0.07	0.1	0.05	2.5	0.1	0.08	8	1.4	<0.2
1085226	Soil	9	34	0.56	299	0.098	1	2.02	0.014	0.07	0.2	0.02	3.0	<0.1	<0.05	5	1.0	<0.2
1085223	Soil	10	26	0.27	2194	0.058	1	1.16	0.010	0.08	0.2	0.02	2.4	<0.1	0.09	5	1.9	<0.2
1085224	Soil	12	40	0.63	1438	0.073	<1	2.36	0.014	0.11	0.2	0.02	4.3	0.1	0.12	6	1.1	<0.2
1085222	Soil	11	39	0.47	575	0.066	<1	1.90	0.010	0.06	0.2	0.04	2.5	0.1	0.08	6	0.6	<0.2
1085220	Soil	12	37	0.55	1049	0.079	2	2.05	0.010	0.07	0.2	0.07	3.0	0.2	0.10	6	<0.5	<0.2
1085231	Soil	10	37	0.65	336	0.097	1	2.52	0.014	0.07	0.1	0.02	3.7	<0.1	<0.05	6	0.6	<0.2
1085229	Soil	15	20	0.31	615	0.058	<1	1.43	0.009	0.08	0.1	0.02	3.7	0.2	<0.05	5	0.9	<0.2
1085228	Soil	10	38	0.55	333	0.090	2	2.17	0.011	0.07	0.1	0.03	3.4	0.1	<0.05	7	<0.5	<0.2



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Part 1

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 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
1081411	Soil	1.0	41.4	9.5	90	0.3	47.1	16.7	489	3.96	26.9	1.0	10.1	3.6	32	0.2	0.5	0.2	67	0.51	0.121
1081403	Soil	1.6	44.2	10.2	82	0.1	32.8	14.6	476	3.26	36.3	1.2	11.5	1.4	22	0.3	0.9	0.2	72	0.19	0.064
1081405	Soil	0.9	14.5	12.2	20	0.2	6.9	2.7	77	0.68	36.0	0.5	13.3	1.2	11	<0.1	0.8	<0.1	12	0.04	0.020
1081409	Soil	2.2	27.6	14.6	74	0.3	21.5	8.6	329	3.77	35.1	0.7	4.6	2.3	15	0.2	1.1	0.2	84	0.14	0.049
1081401	Soil	2.4	35.7	10.8	99	<0.1	35.2	14.2	617	3.74	22.2	0.9	4.1	2.0	20	0.3	1.2	0.3	74	0.16	0.048
1086212	Soil	1.1	42.2	8.5	74	0.2	36.2	10.6	253	3.17	66.3	1.0	10.4	3.6	21	0.2	0.5	0.2	64	0.25	0.059
1081404	Soil	0.4	18.2	1.3	37	<0.1	4.8	5.5	131	2.02	2.4	0.2	<0.5	0.1	15	<0.1	0.1	<0.1	68	0.18	0.059
1081407	Soil	1.7	34.1	20.5	73	0.2	26.4	9.1	280	3.26	41.7	0.9	17.4	1.9	23	0.2	1.2	0.2	73	0.26	0.060
1081410	Soil	1.9	31.3	17.6	78	0.3	26.2	12.6	533	5.43	39.2	0.7	4.4	3.4	20	0.3	1.0	0.3	88	0.20	0.062
1081408	Soil	3.4	35.6	15.4	75	0.2	23.7	8.0	311	3.75	29.5	0.8	14.6	1.8	18	0.2	1.7	0.3	91	0.13	0.046
1045584	Soil	2.0	36.1	10.1	72	0.2	26.4	9.8	291	3.84	74.6	0.7	2.0	2.6	20	0.3	0.8	0.2	78	0.19	0.077
1086211	Soil	1.1	36.5	8.4	80	0.2	38.0	13.7	400	3.44	29.1	0.8	4.2	3.8	18	0.2	0.6	0.2	69	0.27	0.078
1086210	Soil	1.1	34.2	9.6	78	0.3	30.8	11.6	508	2.95	109.6	1.1	39.3	5.2	31	0.1	1.9	0.2	55	0.34	0.068
1086209	Soil	1.0	34.9	11.4	76	0.2	30.8	10.4	340	3.01	27.0	0.6	1.7	3.2	21	0.2	0.5	0.2	67	0.29	0.077
1086208	Soil	0.4	30.6	14.7	80	0.3	41.2	13.2	216	3.11	33.1	1.1	3.8	6.7	30	0.2	0.5	0.2	61	0.51	0.085
1086205	Soil	0.7	39.8	10.9	75	0.3	53.3	14.8	295	3.26	31.7	1.0	5.7	4.7	42	0.1	0.4	0.3	61	0.78	0.081
1081413	Soil	1.4	38.8	11.5	74	0.3	39.8	15.4	280	3.91	40.8	0.8	4.8	3.8	16	0.3	0.7	0.2	72	0.19	0.058
1086204	Soil	0.7	35.6	9.1	60	<0.1	40.8	13.9	382	3.04	23.1	0.9	0.9	4.4	25	0.1	0.4	0.2	52	0.46	0.053
1081990	Soil	1.0	43.2	9.9	71	0.2	79.5	16.9	964	3.22	61.7	0.7	9.4	3.6	23	0.2	0.7	0.2	62	0.39	0.054
1086207	Soil	0.5	37.3	14.2	89	0.3	35.9	10.9	172	2.69	39.7	0.7	12.4	5.8	21	0.4	0.6	0.2	54	0.45	0.088
1081417	Soil	1.1	46.3	18.6	135	1.0	78.0	14.0	433	3.91	94.7	1.4	24.1	4.5	17	0.3	1.2	0.2	67	0.27	0.083
1081416	Soil	0.9	49.2	19.3	130	1.1	69.0	12.2	410	3.93	86.8	1.5	23.1	4.6	17	0.3	1.2	0.2	67	0.29	0.085
1081418	Soil	1.4	41.1	12.1	88	0.4	40.3	15.4	487	3.77	27.9	0.8	11.1	2.9	22	0.2	0.6	0.2	77	0.43	0.073
1081414	Soil	0.9	41.8	8.5	77	0.5	44.4	15.8	351	3.28	36.1	0.9	10.7	3.8	13	0.2	0.6	0.1	62	0.21	0.062
1081419	Soil	0.5	52.5	11.2	97	0.4	71.7	25.7	538	4.40	100.9	0.6	10.8	3.6	44	0.2	0.9	0.1	83	0.90	0.142
1081406	Soil	2.0	48.8	35.3	88	0.3	33.7	15.2	453	3.43	71.4	1.4	22.8	2.0	19	0.4	1.7	0.2	73	0.18	0.063
1081402	Soil	1.9	32.0	8.8	85	0.1	31.7	12.2	435	3.30	22.9	0.7	11.3	1.3	17	0.2	0.9	0.2	71	0.17	0.041
1081412	Soil	1.6	37.1	11.3	66	0.3	33.7	12.5	291	3.61	24.9	0.6	3.5	3.0	14	0.3	0.7	0.2	80	0.18	0.047
1086203	Soil	2.2	26.4	9.8	50	0.2	48.6	9.8	193	3.66	17.8	0.4	5.6	1.8	15	0.2	0.7	0.2	101	0.16	0.022
1081415	Soil	0.9	40.9	8.3	75	0.5	42.8	14.7	360	3.16	35.6	0.9	9.6	4.0	13	0.3	0.6	0.1	63	0.22	0.067



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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
1081411	Soil	13	50	0.91	203	0.152	1	2.36	0.020	0.25	0.1	0.03	4.3	0.2	<0.05	7	<0.5	<0.2
1081403	Soil	12	35	0.50	159	0.073	1	1.85	0.011	0.06	0.1	0.05	2.8	0.1	<0.05	6	0.9	<0.2
1081405	Soil	6	7	0.08	63	0.015	<1	0.34	0.002	0.03	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
1081409	Soil	9	30	0.38	103	0.117	1	1.37	0.010	0.11	0.1	0.03	2.1	<0.1	<0.05	8	<0.5	<0.2
1081401	Soil	10	39	0.58	121	0.089	2	2.03	0.011	0.06	<0.1	0.06	2.8	0.2	<0.05	7	0.5	<0.2
1086212	Soil	13	41	0.63	185	0.113	<1	1.92	0.012	0.28	0.1	0.03	4.1	0.2	<0.05	6	0.5	<0.2
1081404	Soil	3	7	0.12	38	0.083	<1	0.38	0.016	0.02	<0.1	0.04	0.4	<0.1	0.06	3	<0.5	<0.2
1081407	Soil	11	34	0.48	130	0.107	1	1.36	0.010	0.08	0.2	0.06	2.4	<0.1	0.07	6	0.5	<0.2
1081410	Soil	10	40	0.54	115	0.152	1	1.93	0.009	0.13	0.1	0.01	2.9	0.1	0.06	8	<0.5	<0.2
1081408	Soil	10	27	0.31	91	0.098	1	1.35	0.008	0.05	0.1	0.03	2.0	0.1	<0.05	8	<0.5	<0.2
1045584	Soil	9	36	0.54	140	0.120	1	1.89	0.011	0.24	0.1	0.02	2.7	0.2	0.05	7	<0.5	<0.2
1086211	Soil	11	42	0.67	172	0.125	1	2.05	0.012	0.29	0.2	0.02	3.5	0.2	<0.05	5	<0.5	<0.2
1086210	Soil	17	32	0.52	132	0.100	<1	1.40	0.016	0.12	0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
1086209	Soil	13	43	0.65	138	0.088	1	1.96	0.011	0.15	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
1086208	Soil	18	60	0.84	214	0.110	1	1.96	0.018	0.16	0.2	0.01	4.9	0.1	<0.05	7	<0.5	<0.2
1086205	Soil	17	68	0.94	186	0.109	2	2.00	0.018	0.16	0.3	0.03	4.6	0.2	<0.05	6	<0.5	<0.2
1081413	Soil	11	44	0.59	118	0.110	<1	2.22	0.010	0.14	0.1	0.04	3.3	0.1	<0.05	7	<0.5	<0.2
1086204	Soil	16	45	0.70	118	0.104	1	1.79	0.022	0.19	<0.1	0.01	3.1	0.2	<0.05	5	<0.5	<0.2
1081990	Soil	13	70	0.83	213	0.066	2	1.73	0.012	0.09	0.2	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
1086207	Soil	17	54	0.77	161	0.092	1	1.63	0.018	0.25	0.3	0.01	3.8	0.1	<0.05	6	<0.5	<0.2
1081417	Soil	17	90	0.68	288	0.070	2	1.68	0.009	0.25	0.6	<0.01	5.4	0.1	<0.05	6	0.7	<0.2
1081416	Soil	16	64	0.59	290	0.067	<1	1.67	0.009	0.23	0.4	<0.01	5.8	0.1	<0.05	5	1.2	<0.2
1081418	Soil	11	46	0.96	250	0.131	<1	2.18	0.013	0.24	0.1	0.01	4.5	0.1	<0.05	8	0.7	<0.2
1081414	Soil	11	44	0.67	130	0.104	1	2.11	0.010	0.18	0.2	0.03	3.5	0.1	<0.05	5	0.6	<0.2
1081419	Soil	16	78	1.67	197	0.168	<1	2.57	0.015	0.34	0.5	0.02	7.1	0.2	<0.05	9	<0.5	<0.2
1081406	Soil	12	36	0.53	155	0.064	<1	1.77	0.009	0.06	0.1	0.04	2.7	0.2	0.06	6	1.0	<0.2
1081402	Soil	8	35	0.52	101	0.083	1	1.89	0.010	0.06	<0.1	0.05	2.4	0.1	<0.05	6	0.9	<0.2
1081412	Soil	10	42	0.59	92	0.115	<1	2.18	0.009	0.14	0.1	0.04	3.1	0.1	<0.05	8	0.8	<0.2
1086203	Soil	7	67	0.48	70	0.114	<1	1.55	0.009	0.04	0.1	0.02	2.2	<0.1	<0.05	9	0.6	<0.2
1081415	Soil	11	44	0.68	137	0.097	<1	1.94	0.011	0.20	0.1	0.02	3.4	0.1	<0.05	5	0.8	<0.2



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Part 1

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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
1086057	Soil	0.7	34.5	6.8	55	0.2	20.7	9.7	427	1.68	15.8	1.1	4.9	0.8	74	0.5	0.5	<0.1	29	1.70	0.064
1086060	Soil	1.2	24.8	15.1	114	0.6	31.3	14.2	544	2.94	25.7	1.0	11.2	4.1	34	0.4	1.1	0.2	52	0.62	0.054
1086059	Soil	1.2	26.8	13.4	102	0.4	31.9	10.8	226	2.94	23.1	0.7	6.1	3.3	33	0.2	1.1	0.2	55	0.62	0.067
1086058	Soil	1.3	42.3	10.1	92	0.3	26.3	10.8	714	2.06	26.5	1.3	9.8	1.5	58	0.4	0.9	0.1	39	1.08	0.078
1085203	Soil	1.7	33.5	12.1	60	0.3	23.8	7.9	222	3.24	31.2	0.9	8.8	2.7	20	0.1	0.8	0.3	68	0.15	0.042
1086054	Soil	2.7	37.1	16.4	101	0.3	45.2	15.4	807	3.84	24.5	1.9	3.8	7.7	21	0.5	3.2	0.2	37	0.52	0.133
1086052	Soil	3.9	60.1	14.5	561	0.7	119.6	12.4	900	2.83	19.6	1.5	6.6	3.9	30	6.5	5.5	0.2	112	0.72	0.165
1086053	Soil	3.7	41.5	14.7	235	1.9	54.3	14.5	345	3.26	62.3	1.3	15.6	3.7	26	1.3	3.5	0.2	70	0.36	0.103
1086055	Soil	0.9	32.8	10.6	73	0.2	41.0	14.0	540	3.07	12.1	1.1	4.9	3.3	51	0.2	0.9	0.1	50	1.20	0.054
1086056	Soil	0.8	39.5	9.0	71	0.2	35.7	16.0	529	2.78	18.0	1.2	5.2	2.2	75	0.2	0.6	<0.1	47	1.68	0.062
1086062	Soil	1.5	24.6	4.1	60	0.2	13.5	16.8	1311	6.51	24.9	0.6	2.6	1.2	43	0.4	0.5	<0.1	82	0.87	0.077
1086061	Soil	0.7	23.5	12.9	76	0.3	23.6	14.1	592	2.84	10.4	1.1	5.5	3.5	32	0.2	1.0	0.1	49	0.59	0.071
1086048	Soil	2.3	75.9	18.4	138	1.4	49.7	14.9	503	3.26	17.1	1.1	6.4	3.5	27	1.6	2.3	0.3	82	0.38	0.105
1086047	Soil	1.7	65.2	10.9	84	0.6	32.0	8.2	184	2.84	14.0	1.4	2.3	0.9	22	0.7	1.2	0.2	77	0.34	0.123
1086051	Soil	8.4	83.5	19.6	349	2.7	66.8	21.9	595	3.31	41.4	5.4	11.9	1.9	32	3.9	6.4	0.2	143	0.32	0.203
1085219	Soil	0.7	52.4	7.2	72	0.6	31.9	13.1	476	2.67	33.9	1.1	10.9	1.9	34	0.3	0.4	0.3	59	0.40	0.078
1085201	Soil	1.5	30.3	12.3	75	0.2	31.7	12.0	306	3.58	24.5	0.7	4.6	3.0	17	0.4	0.8	0.2	80	0.18	0.032
1085202	Soil	1.6	28.8	12.7	76	0.8	32.4	13.7	262	3.75	27.0	0.7	7.2	2.5	18	0.5	0.7	0.2	82	0.15	0.042
1080460	Soil	1.0	34.7	11.7	71	0.1	35.2	12.9	332	3.13	38.3	0.7	7.7	2.9	17	0.2	0.6	0.2	67	0.26	0.068
1080461	Soil	1.7	28.9	13.9	69	0.3	32.5	12.8	292	3.91	31.1	0.7	4.8	2.7	16	0.4	0.8	0.2	73	0.14	0.039
1085232	Soil	2.1	51.4	13.5	83	0.9	32.1	12.4	390	4.10	30.5	0.8	7.7	2.6	28	0.3	0.9	0.2	90	0.19	0.044
1085204	Soil	1.8	49.7	13.3	77	0.9	42.3	15.1	314	3.64	37.9	0.9	5.4	3.0	23	0.4	0.8	0.3	83	0.19	0.055
1085216	Soil	0.9	47.1	7.9	44	1.3	20.4	13.4	786	1.89	32.9	1.3	9.7	0.6	32	0.2	0.3	0.3	45	0.38	0.081
1085217	Soil	1.3	55.9	8.2	62	1.8	27.2	7.7	224	2.45	26.7	1.2	9.8	1.4	28	0.2	0.3	0.4	57	0.28	0.071
1085218	Soil	0.5	28.4	3.6	37	1.0	14.6	6.1	258	1.68	13.1	0.6	6.8	0.8	19	0.1	0.2	0.2	51	0.27	0.066
1085209	Soil	1.4	33.9	11.2	69	0.4	29.5	9.6	257	2.70	29.5	0.9	7.5	3.1	20	0.1	0.4	0.2	63	0.24	0.066
1085206	Soil	1.9	60.6	12.7	94	0.4	55.8	15.7	555	3.68	75.5	1.6	15.2	3.7	32	0.2	0.7	0.4	75	0.28	0.092
1085208	Soil	0.6	18.8	4.8	39	0.4	13.3	8.9	274	1.78	11.5	0.6	4.4	0.8	15	0.3	0.2	0.1	57	0.18	0.052
1085207	Soil	2.1	21.8	12.4	38	0.2	11.4	4.4	188	2.39	27.0	0.4	2.1	1.7	11	<0.1	0.6	0.2	76	0.09	0.037
1085205	Soil	2.7	30.8	13.7	70	0.4	22.4	9.3	277	4.08	27.2	0.7	2.5	2.8	16	0.3	1.1	0.3	106	0.14	0.040



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Part 2

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
		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
1086057	Soil	11	18	0.28	110	0.038	2	0.85	0.021	0.04	<0.1	0.04	1.7	<0.1	0.12	3	1.3	<0.2
1086060	Soil	13	39	0.71	162	0.081	<1	1.58	0.018	0.13	0.1	0.02	3.4	<0.1	0.06	5	0.7	<0.2
1086059	Soil	11	37	0.64	163	0.081	1	1.44	0.021	0.11	0.2	<0.01	2.9	0.1	<0.05	5	0.7	<0.2
1086058	Soil	11	28	0.45	167	0.052	1	1.21	0.021	0.08	0.2	0.04	2.1	0.1	0.15	4	1.1	<0.2
1085203	Soil	10	28	0.32	113	0.082	<1	2.00	0.011	0.06	0.2	0.03	2.1	0.1	<0.05	6	0.7	<0.2
1086054	Soil	35	28	0.77	203	0.074	1	1.68	0.008	0.22	0.1	0.01	4.0	0.2	<0.05	5	1.4	<0.2
1086052	Soil	18	40	1.14	334	0.085	1	1.84	0.019	0.09	0.3	0.03	5.0	0.2	<0.05	5	1.7	<0.2
1086053	Soil	14	34	0.58	218	0.072	2	2.06	0.011	0.09	0.4	0.07	2.8	<0.1	<0.05	6	0.8	<0.2
1086055	Soil	21	47	0.77	177	0.103	3	1.60	0.018	0.17	0.2	0.03	3.8	0.1	0.11	5	0.9	<0.2
1086056	Soil	18	39	0.64	153	0.088	2	1.49	0.030	0.12	0.1	0.02	3.1	0.1	0.14	5	1.0	<0.2
1086062	Soil	6	16	0.22	135	0.066	2	0.91	0.019	0.06	<0.1	0.03	1.4	<0.1	0.17	4	0.8	<0.2
1086061	Soil	14	35	0.57	139	0.073	1	1.48	0.019	0.10	0.1	0.02	3.2	0.1	0.15	5	1.0	<0.2
1086048	Soil	11	42	0.78	215	0.111	2	2.47	0.018	0.13	0.2	0.01	4.1	0.1	0.13	6	1.3	<0.2
1086047	Soil	11	37	0.54	123	0.064	1	1.91	0.010	0.09	0.2	0.05	2.6	0.1	0.15	6	1.2	<0.2
1086051	Soil	14	47	0.55	779	0.063	1	2.25	0.011	0.10	0.2	0.09	3.8	0.2	0.13	6	4.0	<0.2
1085219	Soil	12	39	0.68	219	0.094	1	1.91	0.022	0.31	0.2	0.03	3.7	0.2	0.18	6	<0.5	<0.2
1085201	Soil	10	41	0.56	129	0.114	<1	2.52	0.011	0.09	0.1	0.04	3.6	0.1	0.18	7	<0.5	<0.2
1085202	Soil	9	38	0.46	102	0.103	2	2.39	0.008	0.06	0.2	0.04	2.7	<0.1	0.16	7	1.2	<0.2
1080460	Soil	9	38	0.58	129	0.118	<1	2.04	0.013	0.19	0.1	<0.01	3.1	0.1	0.14	5	0.5	<0.2
1080461	Soil	9	40	0.49	124	0.111	1	2.45	0.009	0.11	0.2	0.04	2.7	0.1	0.17	7	1.1	0.3
1085232	Soil	10	38	0.48	206	0.094	<1	2.24	0.011	0.07	0.2	0.02	2.7	0.1	0.15	8	<0.5	<0.2
1085204	Soil	10	39	0.55	151	0.111	2	2.99	0.016	0.09	0.2	0.03	3.1	<0.1	0.15	7	0.8	<0.2
1085216	Soil	11	21	0.24	160	0.038	2	1.46	0.029	0.10	0.2	0.04	2.7	<0.1	0.14	4	0.6	<0.2
1085217	Soil	10	38	0.53	190	0.068	1	1.87	0.020	0.25	0.2	0.06	3.0	0.2	0.11	6	1.1	<0.2
1085218	Soil	6	18	0.27	114	0.064	2	0.82	0.023	0.11	<0.1	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2
1085209	Soil	11	39	0.55	135	0.113	<1	1.85	0.018	0.28	0.2	0.02	3.3	0.2	<0.05	6	<0.5	<0.2
1085206	Soil	13	43	0.70	220	0.100	3	2.58	0.019	0.18	0.2	0.05	4.6	0.2	<0.05	7	0.8	<0.2
1085208	Soil	5	15	0.19	77	0.076	<1	0.70	0.019	0.07	0.1	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
1085207	Soil	8	18	0.15	60	0.054	<1	1.01	0.012	0.05	0.7	0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
1085205	Soil	10	31	0.33	118	0.122	<1	2.02	0.009	0.07	0.2	0.02	2.5	0.1	<0.05	10	<0.5	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

WHI11000712.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1080452	Soil	2.8	29.7	18.3	80	0.3	22.9	9.2	403	4.02	89.9	0.7	3.6	1.4	15	0.2	1.1	0.3	91	0.14
1087000	Soil	2.0	33.4	10.6	69	0.5	28.4	12.5	450	3.47	25.5	0.8	30.8	1.4	14	0.2	0.7	0.3	77	0.17
1080455	Soil	1.3	45.2	13.2	58	0.6	29.3	11.1	286	3.94	124.2	1.0	6.8	4.3	16	0.2	1.0	0.5	73	0.16
1080453	Soil	2.5	28.8	10.2	61	0.3	18.0	10.4	1059	3.17	18.1	0.8	2.6	0.4	18	0.3	0.9	0.3	78	0.18
1085210	Soil	0.8	28.1	6.1	32	0.8	12.6	4.0	108	1.32	13.8	0.8	4.6	0.6	18	<0.1	0.2	0.2	39	0.18
1080454	Soil	1.1	44.4	13.3	56	0.6	29.5	11.5	303	3.87	123.9	1.0	9.6	4.0	15	0.2	0.9	0.2	72	0.16
1085211	Soil	1.7	37.1	8.7	47	0.6	17.5	8.2	313	2.38	36.9	0.7	5.0	1.5	19	<0.1	0.4	0.3	67	0.18
1085212	Soil	1.3	51.0	7.0	49	0.5	20.4	8.1	266	2.39	16.1	0.8	5.6	1.1	24	<0.1	0.3	0.4	61	0.26
1085215	Soil	1.5	79.9	10.3	65	1.4	31.1	14.5	598	2.74	33.4	1.7	11.3	1.4	36	0.2	0.4	0.5	61	0.53
1085213	Soil	1.6	51.2	7.1	45	1.8	20.5	15.0	682	2.18	12.8	1.4	4.3	0.7	30	<0.1	0.3	0.3	51	0.34
1080459	Soil	1.6	32.3	12.7	65	0.2	31.6	11.4	327	3.42	37.9	0.8	3.3	3.0	15	0.4	0.9	0.2	81	0.19
1080458	Soil	1.3	37.1	12.9	69	0.2	27.1	11.5	355	3.11	45.5	0.7	4.1	2.7	15	0.3	1.0	0.2	70	0.18
1080456	Soil	2.5	33.9	13.5	80	0.3	26.2	9.8	330	4.18	41.5	0.9	2.4	2.5	15	0.3	1.1	0.2	94	0.13
1080457	Soil	1.5	52.9	90.7	147	0.6	47.5	18.1	851	4.21	202.1	1.2	37.7	3.8	24	0.6	4.9	0.3	81	0.20
1085214	Soil	0.8	28.3	4.3	37	0.6	13.7	6.6	210	1.71	14.1	0.6	5.0	1.1	17	<0.1	0.2	0.3	47	0.20
1086364	Soil	0.6	30.5	1.9	32	<0.1	13.5	6.5	783	1.45	7.7	0.5	1.2	0.3	41	0.2	0.3	<0.1	46	0.89
1086373	Soil	0.7	11.7	1.1	41	0.1	6.5	8.6	681	2.34	3.3	0.4	<0.5	0.5	16	0.4	0.2	<0.1	80	0.32
1086375	Soil	1.4	29.8	5.0	127	0.2	33.3	15.7	1217	2.56	17.9	0.9	2.6	1.5	24	1.1	0.6	<0.1	50	0.52
1086363	Soil	0.3	10.8	1.6	15	<0.1	5.1	3.4	176	0.64	4.7	0.2	<0.5	0.3	19	<0.1	<0.1	<0.1	21	0.35
1086351	Soil	0.2	17.4	1.7	19	<0.1	8.3	4.4	123	0.76	3.4	0.4	<0.5	0.1	52	<0.1	0.2	<0.1	21	1.16
1086358	Soil	0.9	28.7	5.4	70	<0.1	32.6	15.4	268	3.21	20.6	0.8	2.0	2.2	39	0.2	0.3	0.1	64	1.01
1086353	Soil	0.7	33.1	4.4	50	<0.1	28.0	11.2	345	2.02	24.5	0.6	2.4	0.8	65	<0.1	0.4	<0.1	38	1.58
1086352	Soil	0.8	33.9	4.8	59	<0.1	27.4	12.3	374	1.95	28.7	0.7	6.7	0.9	72	0.1	0.5	<0.1	41	1.67
1086361	Soil	0.6	27.1	3.4	36	<0.1	15.1	8.6	468	1.79	13.7	0.5	<0.5	0.7	31	0.2	0.3	<0.1	51	0.71
1086383	Soil	4.0	25.1	17.3	209	0.4	45.8	15.6	447	3.26	18.7	1.8	6.7	5.3	30	0.6	2.2	0.2	78	0.74
1080451	Soil	1.3	41.7	13.6	70	0.3	32.1	14.8	385	4.09	66.5	1.0	5.6	3.8	17	0.2	0.7	0.2	63	0.17
1086354	Soil	0.6	28.9	4.2	59	<0.1	26.6	12.0	316	2.11	31.7	0.6	2.7	1.2	61	0.2	0.3	<0.1	47	1.66
1086374	Soil	1.2	7.4	0.6	23	<0.1	3.3	6.0	308	1.60	3.2	0.2	<0.5	0.2	13	0.1	0.1	<0.1	44	0.24
1086376	Soil	5.3	28.4	10.2	168	0.2	45.0	12.0	204	3.69	33.1	1.5	5.7	3.6	32	0.4	1.3	0.2	88	0.72
1086379	Soil	3.0	91.2	12.9	258	0.4	57.2	11.5	218	2.50	9.4	2.1	6.2	5.7	25	1.9	4.3	0.2	77	0.69



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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
1080452	Soil	9	35	0.44	96	0.078	3	1.65	0.008	0.08	0.1	0.05	2.2	0.1	0.08	9	<0.5	<0.2
1087000	Soil	12	35	0.56	80	0.077	2	2.20	0.011	0.07	0.2	0.04	2.6	0.2	<0.05	7	<0.5	<0.2
1080455	Soil	11	38	0.51	103	0.094	1	1.74	0.010	0.12	0.2	0.05	2.8	0.1	<0.05	6	0.7	0.2
1080453	Soil	7	25	0.25	133	0.058	1	1.07	0.012	0.06	0.1	0.06	1.3	0.1	0.06	7	<0.5	<0.2
1085210	Soil	6	16	0.19	91	0.056	<1	0.99	0.026	0.08	0.4	0.06	1.8	<0.1	<0.05	4	1.0	<0.2
1080454	Soil	10	37	0.50	99	0.091	<1	1.65	0.009	0.12	0.3	0.03	2.7	0.1	<0.05	6	<0.5	<0.2
1085211	Soil	8	26	0.35	108	0.086	<1	1.41	0.020	0.12	0.4	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
1085212	Soil	7	29	0.38	132	0.079	<1	1.69	0.023	0.13	0.5	0.04	2.4	0.1	<0.05	6	0.5	<0.2
1085215	Soil	15	37	0.41	194	0.067	1	2.39	0.029	0.19	0.3	0.05	3.9	0.2	0.08	6	0.6	<0.2
1085213	Soil	9	26	0.33	164	0.044	2	1.57	0.021	0.12	0.2	0.06	3.1	0.1	0.10	5	<0.5	<0.2
1080459	Soil	10	35	0.43	120	0.123	<1	2.03	0.011	0.13	0.1	0.04	2.8	0.1	<0.05	7	<0.5	<0.2
1080458	Soil	10	35	0.44	101	0.101	<1	1.76	0.011	0.11	0.2	0.04	2.3	0.1	0.07	6	<0.5	<0.2
1080456	Soil	10	40	0.45	82	0.092	1	1.99	0.009	0.08	0.2	0.04	2.6	0.1	0.10	9	<0.5	<0.2
1080457	Soil	14	62	0.78	170	0.096	1	2.43	0.011	0.24	0.2	0.04	3.8	0.2	0.11	7	<0.5	0.3
1085214	Soil	6	20	0.29	95	0.062	<1	0.98	0.020	0.11	0.2	0.03	2.0	<0.1	0.12	4	<0.5	<0.2
1086364	Soil	5	8	0.20	97	0.066	2	0.54	0.031	0.05	<0.1	0.03	1.3	<0.1	0.16	3	<0.5	<0.2
1086373	Soil	3	8	0.12	40	0.106	<1	0.31	0.035	0.04	<0.1	0.02	1.0	<0.1	0.12	3	<0.5	<0.2
1086375	Soil	10	27	0.59	138	0.091	<1	1.38	0.021	0.19	0.1	0.03	2.5	0.2	0.15	5	<0.5	<0.2
1086363	Soil	2	5	0.10	45	0.036	<1	0.29	0.049	0.06	<0.1	<0.01	0.6	<0.1	0.14	2	<0.5	<0.2
1086351	Soil	4	7	0.19	85	0.035	1	0.46	0.035	0.05	<0.1	0.01	0.9	<0.1	0.16	2	<0.5	<0.2
1086358	Soil	12	45	1.03	179	0.161	<1	1.81	0.023	0.39	0.1	0.03	3.2	0.2	0.13	7	0.6	<0.2
1086353	Soil	8	32	0.58	178	0.077	2	1.19	0.028	0.15	<0.1	0.02	2.2	<0.1	0.21	4	<0.5	<0.2
1086352	Soil	9	36	0.60	163	0.091	<1	1.22	0.026	0.13	<0.1	0.06	2.5	0.1	0.26	5	<0.5	<0.2
1086361	Soil	7	14	0.29	112	0.077	<1	0.70	0.025	0.11	<0.1	0.01	1.5	<0.1	0.11	3	<0.5	<0.2
1086383	Soil	14	46	1.09	200	0.141	<1	2.19	0.027	0.23	0.2	0.04	4.6	0.2	0.08	7	1.2	<0.2
1080451	Soil	12	34	0.47	102	0.081	<1	1.62	0.010	0.13	0.2	0.03	2.6	0.1	0.09	5	<0.5	<0.2
1086354	Soil	9	34	0.62	196	0.091	2	1.06	0.025	0.17	0.2	0.03	2.0	0.1	0.11	4	<0.5	<0.2
1086374	Soil	3	4	0.08	25	0.062	<1	0.24	0.035	0.03	<0.1	0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
1086376	Soil	11	50	0.97	185	0.120	2	1.92	0.019	0.15	0.2	0.04	3.7	0.2	<0.05	7	1.3	<0.2
1086379	Soil	14	53	1.00	229	0.103	1	1.87	0.016	0.14	0.3	0.06	4.4	0.2	0.06	7	2.1	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

WHI11000712.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1080372	Soil	2.1	37.7	27.5	103	0.9	39.9	15.6	526	4.42	21.4	0.8	3.6	2.4	22	0.3	0.8	0.4	85	0.18
1080373	Soil	2.0	37.9	13.6	90	0.6	44.8	15.6	376	4.24	20.3	0.8	5.6	2.7	21	0.2	0.5	0.4	81	0.17
1086365	Soil	1.6	37.7	3.9	51	0.2	38.6	8.8	5519	1.62	28.8	0.8	4.9	0.7	44	0.8	0.5	0.1	35	0.85
1086372	Soil	1.8	30.1	8.8	137	0.3	37.7	14.8	684	2.94	17.1	1.6	7.7	3.5	25	1.0	0.8	0.2	54	0.51
1086371	Soil	1.8	45.9	10.8	156	0.3	49.7	15.4	321	3.46	19.5	1.3	4.7	5.0	30	0.7	0.9	0.3	66	0.56
1080369	Soil	2.9	29.2	14.5	71	0.1	24.6	9.1	178	4.09	15.6	0.8	2.6	2.0	14	0.2	1.2	0.4	93	0.10
1080370	Soil	2.8	40.5	14.6	82	0.4	27.2	9.3	227	4.33	39.8	1.0	4.4	3.3	16	0.4	1.0	0.4	94	0.10
1080376	Soil	0.9	76.3	4.9	60	<0.1	162.1	28.8	296	4.01	8.0	0.5	2.5	2.2	31	<0.1	0.3	0.2	77	0.33
1080375	Soil	0.7	48.8	7.3	62	0.2	48.4	14.8	466	3.23	7.5	1.0	3.3	2.2	73	0.1	0.3	0.2	61	1.29
1080374	Soil	1.9	49.5	16.0	105	0.7	53.4	19.7	462	4.22	25.2	1.1	5.1	4.3	25	0.3	0.5	0.4	79	0.14
1080366	Soil	2.1	42.1	33.5	102	0.6	43.5	12.5	289	4.84	42.6	1.2	6.1	4.5	24	0.4	0.6	0.4	80	0.17
1080377	Soil	0.7	72.7	4.9	56	<0.1	155.5	27.5	275	3.75	7.5	0.5	2.0	2.1	28	<0.1	0.2	0.2	74	0.32
1080371	Soil	2.1	45.4	16.9	120	0.5	50.7	17.1	366	4.09	17.0	1.3	2.3	4.1	20	0.5	0.7	0.7	73	0.12
1080368	Soil	2.6	44.5	13.7	128	0.5	49.1	14.8	441	4.34	81.1	1.8	4.9	4.1	40	0.5	1.5	0.7	60	0.16
1080367	Soil	1.9	51.2	17.5	102	0.4	46.2	14.2	287	4.25	35.9	0.9	8.1	3.7	19	0.4	0.7	0.5	78	0.12
1080359	Soil	0.8	39.1	13.2	73	0.2	43.3	16.8	668	3.61	22.8	0.8	2.8	2.0	100	0.3	0.5	0.2	64	1.70
1080361	Soil	0.7	55.1	9.4	64	0.2	30.6	11.1	494	2.65	26.3	0.9	3.4	1.3	88	0.3	0.5	0.2	47	1.88
1080353	Soil	3.3	38.4	68.3	103	0.7	30.4	12.5	300	3.79	94.4	0.8	18.8	3.0	19	0.7	1.0	0.2	74	0.12
1080354	Soil	2.3	34.3	23.8	72	0.5	31.3	13.6	463	3.78	20.0	0.8	3.2	2.4	12	0.3	0.7	0.2	76	0.14
1080355	Soil	1.0	61.2	26.8	62	0.2	106.3	21.2	217	3.29	16.2	0.6	9.4	3.4	40	0.1	0.3	0.2	66	0.87
1086356	Soil	0.8	21.6	4.6	64	<0.1	27.3	14.1	303	2.54	23.3	0.5	1.6	1.7	31	0.1	0.3	0.1	51	0.69
1086357	Soil	0.6	32.1	4.5	51	<0.1	22.6	10.9	350	1.85	22.7	0.7	3.1	0.7	56	0.2	0.4	0.1	38	1.86
1080360	Soil	0.7	45.7	12.1	76	0.2	49.3	16.8	734	3.84	20.6	0.9	1.9	3.5	69	0.3	0.5	0.3	65	1.12
1080356	Soil	1.5	32.0	10.9	85	<0.1	61.9	18.7	780	3.47	15.6	0.7	3.3	2.2	28	0.3	0.4	0.2	67	0.40
1080358	Soil	1.5	39.4	10.6	67	0.2	49.1	19.6	343	3.73	29.1	0.7	7.0	3.7	21	0.2	0.5	0.2	67	0.17
1086369	Soil	0.5	11.0	1.5	17	0.1	4.7	4.3	233	1.10	14.0	0.4	1.3	0.5	16	0.3	0.2	<0.1	20	0.27
1086382	Soil	1.8	16.4	1.1	37	0.1	12.8	6.4	1538	0.90	3.4	0.4	0.6	0.2	27	0.9	0.4	<0.1	25	0.78
1086377	Soil	0.6	16.7	2.9	30	0.1	9.7	4.2	107	1.08	2.7	0.9	0.6	0.6	13	<0.1	0.3	<0.1	28	0.24
1086362	Soil	1.2	48.1	7.2	62	0.2	30.0	13.5	1042	2.30	32.3	1.1	3.4	1.2	56	0.8	0.6	0.2	42	1.31
1086355	Soil	0.7	28.9	5.6	65	<0.1	29.0	13.5	462	2.34	53.2	0.8	8.7	1.4	58	0.2	0.5	0.1	44	1.58



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000712.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1080372	Soil	8	48	0.69	147	0.060	2	2.33	0.012	0.13	0.3	0.03	3.0	0.1	<0.05	8	<0.5	<0.2
1080373	Soil	9	52	0.73	155	0.095	1	2.49	0.012	0.13	0.9	0.03	3.0	0.1	<0.05	8	<0.5	<0.2
1086365	Soil	7	14	0.27	273	0.050	2	0.82	0.024	0.10	<0.1	0.02	1.2	0.1	0.06	3	<0.5	<0.2
1086372	Soil	11	43	0.92	165	0.109	2	1.85	0.014	0.29	0.2	0.04	3.5	0.3	<0.05	6	0.8	<0.2
1086371	Soil	12	49	1.06	192	0.133	<1	2.15	0.015	0.43	0.4	0.03	4.1	0.4	<0.05	7	0.6	<0.2
1080369	Soil	9	29	0.31	85	0.060	<1	1.69	0.010	0.05	0.2	0.04	1.9	<0.1	<0.05	8	<0.5	<0.2
1080370	Soil	10	38	0.44	118	0.064	<1	2.19	0.010	0.08	0.4	0.02	2.7	0.2	<0.05	9	<0.5	<0.2
1080376	Soil	8	168	1.66	99	0.164	<1	2.60	0.015	0.30	5.9	0.01	4.1	0.2	<0.05	9	<0.5	<0.2
1080375	Soil	14	54	0.84	154	0.093	3	1.97	0.023	0.17	22.0	0.03	4.1	0.2	0.06	6	0.6	<0.2
1080374	Soil	11	51	0.72	93	0.072	1	2.45	0.010	0.18	3.0	0.02	3.3	0.1	<0.05	7	<0.5	0.3
1080366	Soil	10	54	0.70	177	0.071	1	2.48	0.012	0.14	0.3	0.03	3.2	0.1	0.06	8	<0.5	<0.2
1080377	Soil	7	160	1.59	92	0.162	1	2.42	0.015	0.28	5.6	<0.01	4.1	0.2	<0.05	8	<0.5	<0.2
1080371	Soil	9	46	0.61	100	0.063	2	2.45	0.011	0.11	0.3	0.03	3.3	0.1	<0.05	7	<0.5	<0.2
1080368	Soil	11	27	0.34	113	0.044	<1	1.43	0.010	0.10	0.6	0.03	2.2	0.1	0.08	6	0.9	0.3
1080367	Soil	8	54	0.68	115	0.089	1	2.26	0.011	0.14	0.6	0.03	3.2	0.1	0.06	7	0.5	<0.2
1080359	Soil	21	48	0.97	129	0.073	3	2.40	0.024	0.13	1.3	0.04	5.2	0.2	<0.05	7	<0.5	<0.2
1080361	Soil	14	32	0.68	93	0.047	2	1.58	0.021	0.09	2.3	0.04	2.8	<0.1	0.08	5	<0.5	<0.2
1080353	Soil	9	40	0.51	100	0.077	2	1.97	0.011	0.10	2.5	0.04	2.8	0.1	0.08	6	0.5	<0.2
1080354	Soil	9	45	0.60	76	0.086	2	2.16	0.008	0.09	5.1	0.06	2.8	<0.1	<0.05	7	<0.5	<0.2
1080355	Soil	17	137	1.31	93	0.144	2	1.89	0.018	0.08	2.3	0.01	3.3	<0.1	<0.05	6	<0.5	<0.2
1086356	Soil	9	37	0.71	162	0.107	2	1.25	0.018	0.19	0.2	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
1086357	Soil	7	29	0.59	167	0.067	4	1.12	0.022	0.16	<0.1	0.02	1.7	<0.1	0.12	4	<0.5	<0.2
1080360	Soil	21	51	0.82	124	0.080	2	2.13	0.023	0.13	1.0	0.05	5.9	0.2	<0.05	7	<0.5	<0.2
1080356	Soil	8	56	0.62	100	0.102	2	1.88	0.014	0.10	0.4	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
1080358	Soil	10	46	0.77	130	0.102	2	2.71	0.014	0.14	1.4	0.03	3.7	0.1	0.06	7	<0.5	<0.2
1086369	Soil	3	5	0.10	49	0.032	<1	0.34	0.033	0.06	<0.1	0.02	0.7	<0.1	<0.05	2	<0.5	<0.2
1086382	Soil	3	4	0.10	86	0.039	2	0.32	0.025	0.03	<0.1	0.01	0.3	<0.1	0.07	2	<0.5	<0.2
1086377	Soil	4	11	0.22	52	0.047	1	0.54	0.025	0.06	<0.1	0.02	1.0	<0.1	<0.05	2	<0.5	<0.2
1086362	Soil	11	28	0.61	192	0.074	3	1.40	0.020	0.25	<0.1	0.05	2.5	0.2	0.11	4	0.6	<0.2
1086355	Soil	9	36	0.73	194	0.090	3	1.26	0.022	0.22	<0.1	0.03	2.3	0.1	0.10	5	<0.5	<0.2



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Part 1

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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
1080365	Soil	1.0	45.2	8.7	54	0.2	51.7	16.2	580	3.22	11.6	0.7	1.3	2.2	23	0.2	0.4	0.2	70	0.32
1085480	Soil	0.3	50.8	2.3	18	0.1	15.2	3.8	85	0.92	6.1	0.7	1.4	0.3	41	0.3	0.3	<0.1	23	1.49
1085482	Soil	0.3	10.2	1.9	29	<0.1	7.6	4.4	86	1.37	3.4	0.2	0.8	0.2	10	<0.1	0.1	<0.1	46	0.17
1085469	Soil	2.8	95.5	27.8	196	0.5	63.4	17.9	679	4.52	89.5	1.7	5.8	7.0	45	0.5	1.0	0.2	88	0.39
1000461	Soil	0.9	38.2	13.7	70	0.2	40.7	17.6	461	2.74	14.0	0.7	1.5	1.9	330	0.5	0.3	0.1	47	10.10
1086381	Soil	5.5	29.1	9.5	180	0.6	38.6	14.1	297	3.61	20.6	1.7	6.9	3.7	19	0.5	2.0	0.2	61	0.44
1086360	Soil	1.2	33.9	6.0	62	0.2	33.1	16.9	613	2.79	19.3	0.9	1.8	1.9	40	0.2	0.6	0.1	60	1.03
1086380	Soil	0.8	13.0	1.4	24	<0.1	5.4	2.9	179	0.89	4.0	0.3	<0.5	0.3	18	0.2	0.3	<0.1	32	0.40
1086370	Soil	1.6	26.0	10.8	100	0.2	32.4	12.1	268	3.13	18.8	0.7	2.8	2.8	28	0.3	0.7	0.2	81	0.54
1086368	Soil	1.2	48.1	17.7	135	0.3	45.3	15.9	247	3.81	40.1	0.9	6.4	7.6	24	0.6	0.6	0.7	70	0.52
1086378	Soil	0.7	6.5	0.9	27	<0.1	4.1	8.8	479	1.57	5.6	0.2	<0.5	0.2	17	0.4	0.1	<0.1	60	0.35
1086367	Soil	0.8	41.0	17.5	134	0.3	41.5	15.0	410	3.12	27.6	1.3	4.0	4.9	53	0.4	0.6	0.5	65	0.95
1086359	Soil	1.1	33.1	6.4	56	<0.1	25.2	15.8	456	2.82	20.8	0.8	2.3	1.6	36	<0.1	0.4	0.2	63	0.73
1086366	Soil	1.0	36.7	8.3	62	0.2	30.6	13.1	365	2.86	52.7	0.9	5.6	2.2	44	0.1	0.8	0.2	62	0.83
1080357	Soil	2.5	32.7	18.3	67	<0.1	40.2	13.1	377	5.24	49.6	0.7	2.8	3.7	17	0.3	0.8	0.3	100	0.16
1085478	Soil	0.8	31.9	7.1	41	0.2	15.9	5.5	156	1.54	10.5	0.7	1.2	0.7	31	0.3	0.3	<0.1	40	0.54
1000460	Soil	1.2	36.0	34.4	87	0.2	64.8	23.0	484	4.27	78.5	1.0	3.1	7.3	29	0.2	0.5	0.5	83	0.44
1085472	Soil	0.7	60.4	9.7	75	0.2	74.1	29.0	452	3.36	146.9	1.3	5.2	3.5	53	0.3	0.7	0.1	75	0.90
1080362	Soil	0.7	56.6	13.0	74	0.2	53.8	17.2	550	4.02	48.3	0.9	8.8	4.4	73	0.2	0.6	0.3	74	1.08
1080364	Soil	0.7	60.7	8.3	62	0.1	75.8	18.0	459	3.53	15.9	0.7	3.3	3.1	43	0.2	1.2	0.2	75	0.73
1085483	Soil	1.0	44.0	8.6	81	0.4	39.5	16.0	479	2.40	12.9	1.3	4.3	1.9	33	0.3	0.4	0.1	60	0.44
1000462	Soil	1.2	77.1	15.1	108	0.3	69.9	25.2	672	4.09	49.3	1.0	3.5	6.4	77	0.6	0.5	0.2	79	2.25
1085474	Soil	1.7	47.6	16.8	80	0.1	49.6	18.2	345	3.51	39.2	1.0	3.4	3.2	31	0.5	0.5	0.2	91	0.46
1085470	Soil	1.0	61.6	15.2	128	0.7	77.0	26.9	587	4.77	21.5	1.2	5.5	4.7	61	0.3	0.4	0.2	111	0.65
1085468	Soil	1.8	53.3	34.8	97	0.1	110.1	27.5	312	4.58	83.4	0.7	1.8	4.1	36	0.5	0.8	0.4	89	0.32
1085484	Soil	2.6	33.4	28.6	150	0.4	47.7	25.6	706	4.16	25.9	1.2	1.2	3.9	30	0.3	0.4	0.2	112	0.36
1085481	Soil	0.3	17.6	2.1	21	<0.1	5.2	2.9	79	1.01	4.1	0.3	2.3	<0.1	14	0.2	0.1	<0.1	34	0.22
1085486	Soil	1.4	30.6	6.4	65	0.1	25.1	16.9	334	2.13	7.5	0.9	1.6	0.9	19	0.3	0.2	0.1	66	0.23
1085473	Soil	0.9	41.6	16.8	86	0.3	55.4	19.6	520	3.66	164.4	1.1	8.4	4.8	42	0.3	1.0	0.1	83	0.99
1085479	Soil	1.6	32.9	15.4	81	0.2	25.8	21.7	896	2.84	33.8	0.9	2.1	1.7	27	0.2	0.5	0.2	81	0.31



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Vancouver BC V6C 1H2 Canada

Project:

PLU

Report Date:

August 09, 2011

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Part 2

CERTIFICATE OF ANALYSIS

WHI11000712.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1080365	Soil	10	62	0.79	130	0.089	2	2.16	0.016	0.10	0.6	0.02	3.6	<0.1	<0.05	7	<0.5
1085480	Soil	11	10	0.12	91	0.036	2	0.60	0.025	0.07	<0.1	0.03	0.9	<0.1	0.10	2	<0.5
1085482	Soil	2	12	0.13	26	0.066	1	0.35	0.024	0.05	<0.1	0.02	0.7	<0.1	<0.05	3	<0.5
1085469	Soil	19	62	1.14	295	0.082	1	2.45	0.012	0.47	1.1	0.03	5.3	0.3	0.14	8	<0.5
1000461	Soil	13	43	0.82	92	0.094	3	1.44	0.016	0.37	0.1	0.02	2.5	0.2	0.08	5	0.7
1086381	Soil	13	42	0.73	176	0.068	2	1.51	0.015	0.10	0.2	0.03	3.2	0.1	<0.05	5	2.2
1086360	Soil	10	42	0.84	183	0.140	2	1.56	0.017	0.29	0.1	0.03	2.9	0.2	0.10	6	<0.5
1086380	Soil	2	4	0.09	38	0.051	<1	0.28	0.037	0.03	<0.1	<0.01	0.3	<0.1	0.08	2	<0.5
1086370	Soil	9	43	0.79	135	0.146	1	1.61	0.015	0.28	0.4	0.03	2.8	0.2	<0.05	6	<0.5
1086368	Soil	17	58	1.02	316	0.153	1	1.98	0.018	0.42	1.1	0.02	4.5	0.3	<0.05	7	<0.5
1086378	Soil	4	5	0.11	29	0.090	<1	0.18	0.022	0.02	<0.1	<0.01	0.3	<0.1	<0.05	2	<0.5
1086367	Soil	14	51	0.94	238	0.130	2	1.84	0.020	0.32	0.8	0.02	3.8	0.3	<0.05	6	<0.5
1086359	Soil	10	35	0.72	176	0.134	2	1.47	0.023	0.21	<0.1	0.02	2.5	0.1	0.07	6	<0.5
1086366	Soil	8	36	0.73	146	0.124	2	1.49	0.021	0.26	0.1	0.02	3.0	0.2	0.06	5	<0.5
1080357	Soil	10	48	0.66	115	0.153	1	2.22	0.009	0.11	1.0	0.02	3.2	0.1	<0.05	10	<0.5
1085478	Soil	9	21	0.27	68	0.082	2	0.71	0.023	0.08	<0.1	0.06	1.5	<0.1	0.09	3	<0.5
1000460	Soil	14	82	1.28	117	0.187	1	2.69	0.014	0.61	0.3	0.02	5.8	0.3	<0.05	8	<0.5
1085472	Soil	20	55	0.73	112	0.153	2	2.03	0.036	0.19	0.2	0.04	3.9	0.2	<0.05	7	<0.5
1080362	Soil	21	55	0.94	134	0.122	2	2.23	0.022	0.15	1.9	0.03	5.6	0.2	<0.05	7	<0.5
1080364	Soil	13	72	0.98	134	0.124	2	2.09	0.026	0.13	0.6	0.01	5.1	0.1	<0.05	6	<0.5
1085483	Soil	11	49	0.67	130	0.119	1	1.51	0.032	0.18	0.2	0.05	3.3	0.2	<0.05	6	<0.5
1000462	Soil	16	86	1.43	169	0.162	2	2.42	0.024	0.57	0.2	0.02	4.8	0.3	0.05	9	<0.5
1085474	Soil	15	55	0.75	104	0.232	1	2.13	0.032	0.31	0.3	0.02	4.2	0.2	<0.05	9	<0.5
1085470	Soil	15	86	1.38	216	0.262	2	3.57	0.052	0.55	0.2	0.02	6.5	0.4	<0.05	11	<0.5
1085468	Soil	10	149	1.35	129	0.193	1	2.50	0.018	0.34	0.2	<0.01	3.8	0.3	0.05	9	<0.5
1085484	Soil	17	67	0.90	131	0.149	<1	1.91	0.024	0.21	0.1	0.03	4.1	0.2	<0.05	9	<0.5
1085481	Soil	3	9	0.09	38	0.029	1	0.35	0.024	0.04	<0.1	0.02	0.3	<0.1	<0.05	2	<0.5
1085486	Soil	8	36	0.41	93	0.113	1	1.00	0.023	0.10	0.2	0.03	1.9	<0.1	<0.05	5	<0.5
1085473	Soil	15	64	1.02	152	0.188	1	1.91	0.036	0.53	0.5	0.01	5.1	0.3	<0.05	7	<0.5
1085479	Soil	9	46	0.60	108	0.142	1	1.43	0.025	0.18	0.1	0.03	2.8	0.2	<0.05	7	<0.5



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CERTIFICATE OF ANALYSIS

WHI11000712.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1086491	Soil	0.7	32.9	8.9	72	0.1	28.0	12.2	506	2.39	17.4	0.8	2.7	1.7	90	0.3	0.6	0.1	47	2.01	0.064
1086490	Soil	1.8	31.0	21.4	80	0.2	43.6	18.6	993	4.33	18.2	1.1	1.5	3.2	112	0.4	1.0	0.2	78	2.41	0.083
1086496	Soil	1.1	29.0	5.7	37	0.3	14.3	5.8	458	1.25	11.1	0.7	2.3	0.5	39	0.1	0.6	<0.1	30	0.67	0.064
1086497	Soil	1.1	38.6	2.1	43	0.1	18.3	5.7	1276	0.86	3.2	0.4	0.9	0.2	73	0.2	0.5	<0.1	22	1.51	0.075
1080363	Soil	0.7	40.7	10.3	75	0.2	71.3	21.0	729	3.49	32.3	0.9	3.0	3.1	126	0.3	0.9	0.2	73	2.92	0.080
1086493	Soil	1.1	40.2	8.5	78	0.3	24.8	12.9	433	2.65	24.5	1.3	6.1	1.7	53	0.4	1.0	0.1	69	1.01	0.084
1086488	Soil	4.0	46.0	14.8	178	0.7	56.1	16.1	421	4.23	21.9	1.0	3.3	3.8	23	1.1	3.0	0.3	111	0.30	0.056
1086484	Soil	1.2	115.6	13.6	312	0.5	89.1	16.8	733	3.25	24.6	0.9	6.1	4.9	56	4.1	3.7	0.2	106	1.53	0.163
1086489	Soil	2.3	56.0	15.8	163	1.5	58.3	17.9	567	3.50	18.6	2.7	4.1	4.6	32	1.0	2.8	0.4	69	0.65	0.063
1086486	Soil	3.0	55.6	12.6	110	0.4	47.1	15.6	382	3.58	19.7	1.1	1.9	2.9	28	0.7	1.6	0.2	110	0.34	0.087
1086492	Soil	0.7	37.2	7.2	66	0.1	24.7	9.5	416	1.60	9.0	1.1	1.4	0.9	107	0.2	0.6	<0.1	26	2.65	0.066
1086495	Soil	1.0	27.0	12.9	105	0.2	33.6	12.1	455	3.06	20.1	1.0	3.6	4.4	38	0.2	1.0	0.2	64	0.66	0.070
1086485	Soil	2.4	54.4	10.2	119	0.4	51.9	17.9	446	3.46	19.3	1.0	3.2	2.9	28	1.0	1.6	0.2	97	0.34	0.096
1086487	Soil	11.9	99.1	24.7	632	1.3	137.6	17.3	507	3.01	48.1	5.2	4.8	4.1	52	9.1	11.9	0.3	133	0.71	0.296
1086494	Soil	0.1	10.4	0.5	24	<0.1	3.6	3.4	119	1.17	1.0	0.1	1.9	0.2	18	<0.1	0.2	<0.1	40	0.34	0.065



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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
1086491	Soil	17	30	0.50	129	0.098	2	1.07	0.024	0.12	<0.1	0.03	2.6	0.1	0.15	4	<0.5	<0.2
1086490	Soil	18	48	0.80	229	0.146	2	2.37	0.018	0.14	0.1	0.05	4.9	0.2	0.08	8	<0.5	<0.2
1086496	Soil	6	14	0.25	102	0.038	2	0.78	0.035	0.05	<0.1	0.02	1.1	<0.1	0.10	3	0.6	<0.2
1086497	Soil	4	7	0.13	115	0.030	2	0.51	0.022	0.02	<0.1	0.02	0.4	<0.1	0.14	2	<0.5	<0.2
1080363	Soil	18	85	1.13	131	0.149	2	2.15	0.032	0.16	1.1	0.04	5.4	0.2	0.09	7	<0.5	<0.2
1086493	Soil	13	26	0.41	121	0.091	2	0.97	0.023	0.05	<0.1	0.03	2.5	<0.1	0.12	4	0.8	<0.2
1086488	Soil	12	48	0.71	191	0.153	2	2.30	0.012	0.14	0.2	0.04	4.3	0.1	<0.05	9	0.9	<0.2
1086484	Soil	22	51	0.99	219	0.096	2	1.89	0.019	0.10	0.3	0.06	6.4	0.1	<0.05	6	1.1	<0.2
1086489	Soil	27	44	0.95	225	0.095	2	2.13	0.013	0.13	0.1	0.06	5.4	0.2	<0.05	7	0.9	<0.2
1086486	Soil	11	46	0.65	165	0.119	<1	2.34	0.015	0.08	0.2	0.03	3.8	0.1	<0.05	7	1.0	<0.2
1086492	Soil	12	21	0.37	127	0.044	4	0.85	0.027	0.05	<0.1	0.04	1.9	<0.1	0.17	3	<0.5	<0.2
1086495	Soil	15	46	0.77	161	0.101	<1	1.71	0.021	0.11	0.1	0.03	3.7	0.1	0.05	5	<0.5	<0.2
1086485	Soil	11	46	0.74	190	0.089	2	2.52	0.017	0.08	0.2	0.03	3.9	0.1	<0.05	6	1.0	<0.2
1086487	Soil	18	42	0.60	425	0.067	1	1.52	0.013	0.12	0.5	0.04	3.8	0.1	<0.05	4	4.4	<0.2
1086494	Soil	3	4	0.09	21	0.053	<1	0.19	0.016	0.01	<0.1	0.01	0.3	<0.1	<0.05	2	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000712.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1082206	Soil	5.3	49.8	28.2	77	0.5	39.7	17.3	452	3.64	56.7	1.1	14.0	3.2	22	0.5	1.9	0.3	80	0.16	0.046
REP 1082206	QC	5.5	50.1	28.3	76	0.4	40.4	17.1	455	3.69	57.2	1.0	11.5	3.2	22	0.5	2.0	0.3	80	0.17	0.046
1081099	Soil	0.5	43.6	22.8	80	0.4	35.8	13.3	434	2.45	39.5	1.2	9.7	2.0	138	0.6	0.6	0.5	41	2.25	0.072
REP 1081099	QC	0.4	45.2	22.5	80	0.5	35.7	13.6	442	2.41	40.4	1.2	8.8	2.0	134	0.6	0.5	0.5	41	2.24	0.075
1081091	Soil	0.7	43.7	7.6	49	0.2	98.3	20.5	454	2.44	11.6	0.4	1.8	0.7	50	0.3	0.3	0.3	44	3.80	0.098
REP 1081091	QC	0.6	48.2	8.0	56	0.2	110.8	22.9	493	2.63	12.6	0.5	2.3	0.7	52	0.3	0.4	0.3	50	4.04	0.112
1086307	Soil	4.2	48.9	17.5	121	0.3	29.1	12.6	1119	4.13	46.6	1.1	4.2	0.6	15	0.5	2.1	0.5	98	0.09	0.079
REP 1086307	QC	3.9	49.6	17.1	117	0.3	31.1	13.1	1106	4.27	46.9	1.1	<0.5	0.6	15	0.4	2.1	0.4	98	0.09	0.079
1086316	Soil	2.5	41.0	9.5	126	0.4	31.1	10.9	399	2.79	15.9	0.8	1.8	1.6	22	2.0	3.2	0.2	80	0.24	0.072
REP 1086316	QC	2.5	40.6	9.0	124	0.4	32.0	11.3	393	2.84	15.8	0.7	1.0	1.5	23	1.8	3.1	0.2	79	0.25	0.074
1045585	Soil	2.0	44.1	10.5	91	0.3	44.2	16.9	389	3.98	114.8	1.0	18.6	4.3	19	0.2	1.2	0.2	67	0.11	0.043
REP 1045585	QC	2.0	44.9	10.7	90	0.3	44.6	16.8	367	3.79	110.7	1.0	18.8	4.5	19	0.2	1.2	0.2	65	0.12	0.045
1086210	Soil	1.1	34.2	9.6	78	0.3	30.8	11.6	508	2.95	109.6	1.1	39.3	5.2	31	0.1	1.9	0.2	55	0.34	0.068
REP 1086210	QC	1.0	34.0	9.1	78	0.3	32.2	11.9	511	2.90	106.2	1.0	37.3	5.0	30	0.1	1.8	0.2	54	0.35	0.074
1081406	Soil	2.0	48.8	35.3	88	0.3	33.7	15.2	453	3.43	71.4	1.4	22.8	2.0	19	0.4	1.7	0.2	73	0.18	0.063
REP 1081406	QC	2.2	48.9	35.8	90	0.3	34.9	14.5	476	3.47	72.7	1.4	30.6	1.9	20	0.6	1.7	0.2	73	0.18	0.064
1085204	Soil	1.8	49.7	13.3	77	0.9	42.3	15.1	314	3.64	37.9	0.9	5.4	3.0	23	0.4	0.8	0.3	83	0.19	0.055
REP 1085204	QC	2.2	48.8	13.0	73	0.9	40.5	14.6	303	3.59	37.3	0.9	8.2	2.9	22	0.4	0.7	0.3	80	0.19	0.050
1080454	Soil	1.1	44.4	13.3	56	0.6	29.5	11.5	303	3.87	123.9	1.0	9.6	4.0	15	0.2	0.9	0.2	72	0.16	0.062
REP 1080454	QC	1.2	43.1	13.6	57	0.6	28.5	11.5	280	3.73	120.1	1.0	11.4	4.2	15	0.4	1.0	0.2	71	0.16	0.062
1086363	Soil	0.3	10.8	1.6	15	<0.1	5.1	3.4	176	0.64	4.7	0.2	<0.5	0.3	19	<0.1	<0.1	<0.1	21	0.35	0.035
REP 1086363	QC	0.4	10.1	1.6	14	<0.1	5.5	3.3	172	0.62	4.3	0.2	<0.5	0.3	18	<0.1	0.1	<0.1	21	0.35	0.034
1080366	Soil	2.1	42.1	33.5	102	0.6	43.5	12.5	289	4.84	42.6	1.2	6.1	4.5	24	0.4	0.6	0.4	80	0.17	0.055
REP 1080366	QC	2.1	41.4	34.5	103	0.6	43.3	12.6	289	4.84	42.0	1.1	2.9	4.5	25	0.4	0.7	0.4	79	0.16	0.053
1000461	Soil	0.9	38.2	13.7	70	0.2	40.7	17.6	461	2.74	14.0	0.7	1.5	1.9	330	0.5	0.3	0.1	47	10.10	0.091
REP 1000461	QC	0.8	35.6	12.8	65	0.2	38.4	16.8	428	2.55	12.2	0.7	2.0	1.8	300	0.4	0.3	0.1	43	9.26	0.083
1086366	Soil	1.0	36.7	8.3	62	0.2	30.6	13.1	365	2.86	52.7	0.9	5.6	2.2	44	0.1	0.8	0.2	62	0.83	0.073
REP 1086366	QC	1.0	36.3	8.2	62	0.2	30.9	13.1	362	2.86	52.0	0.9	5.8	2.2	44	0.2	0.8	0.2	61	0.83	0.071



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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
		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																		
1082206	Soil	11	43	0.63	105	0.087	2	1.84	0.010	0.08	0.3	0.03	3.1	<0.1	<0.05	6	<0.5	<0.2
REP 1082206	QC	11	43	0.69	103	0.092	<1	1.84	0.011	0.08	0.3	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1081099	Soil	11	44	0.71	118	0.076	3	1.41	0.024	0.18	0.1	0.06	2.8	0.2	0.16	5	1.0	<0.2
REP 1081099	QC	11	44	0.72	119	0.077	4	1.42	0.024	0.17	0.2	0.03	2.7	0.2	0.16	5	<0.5	<0.2
1081091	Soil	6	114	2.27	87	0.047	2	1.12	0.014	0.07	0.2	0.03	2.2	0.1	0.10	4	0.7	<0.2
REP 1081091	QC	7	124	2.46	98	0.052	2	1.24	0.016	0.07	0.2	0.03	2.3	0.2	0.14	4	0.6	<0.2
1086307	Soil	10	37	0.38	480	0.067	<1	1.68	0.008	0.05	0.1	0.06	2.0	0.1	0.07	9	0.9	<0.2
REP 1086307	QC	10	36	0.37	458	0.063	<1	1.69	0.008	0.06	<0.1	0.05	1.9	0.1	0.08	9	1.1	<0.2
1086316	Soil	8	27	0.47	416	0.058	<1	1.44	0.014	0.08	0.2	0.02	2.5	<0.1	<0.05	5	0.6	<0.2
REP 1086316	QC	8	28	0.47	427	0.061	<1	1.44	0.015	0.09	0.2	0.04	2.5	<0.1	0.06	5	0.7	<0.2
1045585	Soil	13	41	0.57	134	0.106	1	2.10	0.008	0.33	<0.1	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
REP 1045585	QC	13	40	0.59	133	0.108	1	2.28	0.008	0.35	0.1	0.04	3.4	0.2	0.07	6	<0.5	<0.2
1086210	Soil	17	32	0.52	132	0.100	<1	1.40	0.016	0.12	0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
REP 1086210	QC	17	31	0.52	130	0.097	2	1.45	0.015	0.13	0.1	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
1081406	Soil	12	36	0.53	155	0.064	<1	1.77	0.009	0.06	0.1	0.04	2.7	0.2	0.06	6	1.0	<0.2
REP 1081406	QC	12	36	0.51	158	0.066	1	1.70	0.009	0.07	0.1	0.03	3.0	0.1	<0.05	6	1.6	<0.2
1085204	Soil	10	39	0.55	151	0.111	2	2.99	0.016	0.09	0.2	0.03	3.1	<0.1	0.15	7	0.8	<0.2
REP 1085204	QC	10	39	0.53	142	0.107	2	2.83	0.015	0.09	0.1	0.02	3.0	0.1	0.09	7	1.0	<0.2
1080454	Soil	10	37	0.50	99	0.091	<1	1.65	0.009	0.12	0.3	0.03	2.7	0.1	<0.05	6	<0.5	<0.2
REP 1080454	QC	11	37	0.49	100	0.092	1	1.60	0.009	0.11	0.2	0.02	2.6	0.1	<0.05	5	0.7	<0.2
1086363	Soil	2	5	0.10	45	0.036	<1	0.29	0.049	0.06	<0.1	<0.01	0.6	<0.1	0.14	2	<0.5	<0.2
REP 1086363	QC	2	5	0.10	45	0.034	<1	0.28	0.043	0.05	<0.1	<0.01	0.6	<0.1	0.14	2	<0.5	<0.2
1080366	Soil	10	54	0.70	177	0.071	1	2.48	0.012	0.14	0.3	0.03	3.2	0.1	0.06	8	<0.5	<0.2
REP 1080366	QC	10	53	0.69	179	0.067	1	2.43	0.011	0.14	0.3	0.02	3.2	0.1	0.05	8	<0.5	<0.2
1000461	Soil	13	43	0.82	92	0.094	3	1.44	0.016	0.37	0.1	0.02	2.5	0.2	0.08	5	0.7	<0.2
REP 1000461	QC	12	41	0.74	83	0.089	3	1.33	0.014	0.34	0.2	0.02	2.3	0.2	0.06	5	<0.5	<0.2
1086366	Soil	8	36	0.73	146	0.124	2	1.49	0.021	0.26	0.1	0.02	3.0	0.2	0.06	5	<0.5	<0.2
REP 1086366	QC	8	35	0.71	147	0.125	2	1.46	0.021	0.25	0.3	0.02	3.1	0.2	0.05	5	<0.5	<0.2



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August 09, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11000712.1

		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
1086486	Soil	3.0	55.6	12.6	110	0.4	47.1	15.6	382	3.58	19.7	1.1	1.9	2.9	28	0.7	1.6	0.2	110	0.34	0.087
REP 1086486	QC	2.9	54.8	12.2	105	0.4	45.1	15.0	371	3.48	18.6	1.1	3.2	2.9	27	0.7	1.7	0.2	104	0.33	0.082
Reference Materials																					
STD DS8	Standard	13.3	113.2	134.6	319	1.9	38.8	8.0	633	2.56	26.6	2.8	124.4	7.0	70	2.4	5.5	7.0	44	0.69	0.084
STD DS8	Standard	12.9	115.8	123.4	321	1.9	38.9	7.9	641	2.61	28.3	2.6	117.3	6.4	62	2.4	5.5	6.3	45	0.69	0.083
STD DS8	Standard	13.7	109.0	125.7	312	1.8	36.6	7.4	603	2.43	27.8	3.0	116.7	7.0	70	2.5	5.9	6.6	41	0.67	0.085
STD DS8	Standard	12.6	110.3	125.9	318	1.8	38.4	7.6	602	2.40	27.4	2.6	105.9	6.8	62	2.3	5.5	6.4	42	0.68	0.080
STD DS8	Standard	12.9	109.0	123.7	307	1.6	39.8	7.5	608	2.46	25.6	2.7	98.4	6.4	61	2.0	5.2	5.6	42	0.69	0.076
STD DS8	Standard	13.2	105.7	131.4	311	1.8	38.0	7.7	611	2.48	25.7	2.8	136.5	6.9	65	2.3	5.4	6.0	43	0.69	0.082
STD DS8	Standard	13.8	118.9	131.2	317	1.7	40.7	8.2	620	2.46	28.4	2.8	115.4	6.7	66	2.4	5.9	6.9	49	0.69	0.077
STD DS8	Standard	12.4	103.5	122.6	307	1.8	36.3	7.3	609	2.40	25.9	2.6	122.8	6.1	65	2.0	5.2	6.0	40	0.66	0.079
STD DS8	Standard	14.0	113.0	126.6	321	1.9	40.6	8.1	627	2.61	28.4	2.8	129.1	7.3	68	2.5	5.9	7.1	48	0.72	0.079
STD DS8	Standard	13.9	116.5	129.4	325	1.9	39.5	7.4	623	2.52	26.6	2.7	117.1	6.8	68	2.5	5.7	6.8	41	0.70	0.078
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	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	0.02	<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	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.7	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

WHI11000712.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te 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
1086486	Soil	11	46	0.65	165	0.119	<1	2.34	0.015	0.08	0.2	0.03	3.8	0.1	<0.05	7	1.0	<0.2
REP 1086486	QC	11	44	0.64	161	0.119	2	2.28	0.013	0.08	0.2	0.04	3.9	0.1	<0.05	7	0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	121	0.66	285	0.116	3	0.93	0.095	0.43	2.9	0.22	2.2	5.7	0.18	5	4.8	5.6
STD DS8	Standard	14	119	0.61	269	0.119	3	0.91	0.078	0.41	3.0	0.20	2.2	5.5	0.19	5	5.7	4.9
STD DS8	Standard	15	112	0.62	282	0.117	2	0.94	0.092	0.42	2.9	0.21	2.3	5.4	0.18	5	6.1	4.9
STD DS8	Standard	13	117	0.61	272	0.107	4	0.89	0.089	0.42	3.1	0.21	2.0	5.5	0.16	5	5.2	5.2
STD DS8	Standard	15	112	0.60	272	0.116	2	0.92	0.092	0.40	2.9	0.19	2.1	5.3	0.18	5	5.1	4.8
STD DS8	Standard	16	120	0.61	278	0.123	2	0.99	0.111	0.43	3.0	0.21	2.6	5.5	0.14	5	4.9	5.5
STD DS8	Standard	14	125	0.61	270	0.135	3	0.92	0.089	0.41	2.8	0.19	2.1	5.3	0.14	5	4.4	4.9
STD DS8	Standard	12	118	0.63	261	0.098	3	0.93	0.097	0.40	2.9	0.20	2.3	4.9	0.14	4	6.0	5.0
STD DS8	Standard	16	123	0.63	289	0.120	3	0.96	0.111	0.43	3.2	0.21	2.3	5.4	0.16	5	5.2	4.9
STD DS8	Standard	14	122	0.65	300	0.115	2	0.93	0.091	0.42	3.1	0.20	1.9	5.4	0.18	5	5.2	5.2
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	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	<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



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Submitted By: Mike Skead

Receiving Lab: Canada-Whitehorse

Received: July 15, 2011

Report Date: August 08, 2011

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CERTIFICATE OF ANALYSIS

WHI11000713.1

CLIENT JOB INFORMATION

Project: PLU
Shipment ID:
P.O. Number
Number of Samples: 255

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	255	Dry at 60C			VAN
SS80	255	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	255	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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Part 1

CERTIFICATE OF ANALYSIS

WHI11000713.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1085294	Soil	2.2	34.6	10.6	67	0.2	23.4	9.0	241	4.10	26.2	0.7	2.9	1.7	18	0.2	1.0	0.3	82	0.14	0.047
1085288	Soil	1.7	50.0	16.1	116	0.4	46.4	20.1	649	3.87	88.4	1.4	8.4	3.3	15	0.5	1.3	0.3	54	0.12	0.084
1085291	Soil	1.2	54.9	7.8	89	<0.1	44.1	15.2	440	3.35	8.8	0.7	4.9	2.2	15	0.2	0.6	0.2	63	0.26	0.088
1085284	Soil	0.8	33.0	6.8	58	0.1	27.3	11.7	328	2.63	18.5	0.6	2.6	1.7	15	0.1	0.6	0.2	56	0.19	0.058
1085299	Soil	2.1	27.1	8.2	46	0.4	16.1	6.2	188	3.17	25.5	0.6	2.5	1.9	14	0.2	0.7	0.3	78	0.10	0.041
1085280	Soil	1.8	43.0	8.4	59	0.1	17.5	7.3	214	3.38	53.6	0.8	4.3	0.9	13	0.1	1.1	0.2	68	0.09	0.056
1085457	Soil	2.5	55.8	14.7	149	2.4	50.3	10.7	443	5.79	91.5	1.5	19.1	3.8	23	0.1	1.2	0.3	70	0.04	0.073
1085459	Soil	0.4	8.5	1.8	14	<0.1	2.9	2.3	55	0.81	2.0	0.2	1.6	0.2	8	<0.1	0.2	<0.1	27	0.08	0.033
1085298	Soil	1.3	29.2	7.7	80	0.2	28.6	11.3	354	3.01	89.5	0.6	3.8	2.6	14	0.2	0.9	0.2	55	0.17	0.069
1085296	Soil	1.7	47.4	12.8	81	0.7	38.0	14.8	477	3.66	131.5	1.3	10.5	3.0	24	0.3	1.6	0.2	69	0.20	0.073
1085453	Soil	1.7	32.9	12.5	83	0.5	29.3	16.1	547	4.34	98.2	0.7	13.8	3.0	28	0.3	1.2	0.3	80	0.22	0.073
1085278	Soil	1.1	38.9	8.2	70	0.2	30.0	10.5	246	3.37	68.0	1.7	5.4	3.2	20	0.1	1.6	0.1	58	0.23	0.067
1085458	Soil	0.4	28.9	1.7	16	0.4	4.1	3.1	59	1.03	2.1	0.4	1.0	0.3	15	0.1	0.1	<0.1	27	0.13	0.048
1085454	Soil	2.4	38.5	15.2	106	1.3	33.3	20.7	812	4.22	192.1	1.2	28.7	3.3	54	0.2	3.0	0.2	69	0.18	0.107
1085455	Soil	2.0	35.1	19.9	82	1.9	21.6	6.6	229	2.57	143.1	0.8	18.2	2.3	32	0.2	1.4	0.2	48	0.12	0.046
1085287	Soil	1.9	58.8	12.2	143	0.3	49.1	22.8	760	4.17	90.0	1.6	4.2	2.4	29	0.6	1.8	0.2	71	0.24	0.127
1085279	Soil	1.0	38.1	7.8	66	0.2	30.8	10.1	233	3.29	66.9	1.7	4.5	3.0	20	0.1	1.6	0.1	57	0.23	0.065
1085293	Soil	0.8	29.7	8.3	66	0.1	34.8	15.1	429	3.06	9.7	0.5	5.9	2.2	20	0.3	0.4	0.2	68	0.26	0.038
1085286	Soil	0.9	33.0	7.2	61	0.1	27.1	10.0	340	2.74	24.6	0.9	2.8	2.1	20	0.1	0.7	0.1	59	0.22	0.057
1085289	Soil	1.4	37.6	10.8	79	0.1	38.5	13.2	367	3.53	27.4	0.7	2.4	2.9	13	0.2	0.9	0.2	69	0.14	0.037
1085467	Soil	0.9	39.3	31.2	69	0.2	26.1	13.5	458	2.42	35.2	0.6	1.2	2.3	37	0.5	0.3	0.2	46	0.54	0.050
1085485	Soil	2.0	25.8	6.8	74	0.2	24.0	13.2	486	2.36	9.6	0.8	1.5	1.2	27	0.2	0.2	0.1	74	0.36	0.069
1085290	Soil	1.0	50.8	7.9	90	0.1	46.2	16.9	347	3.46	10.1	0.7	4.5	2.9	17	0.2	0.5	0.2	76	0.25	0.067
1085295	Soil	0.6	20.6	3.4	26	0.3	8.4	4.4	125	1.19	32.8	0.4	3.3	0.3	14	0.1	0.5	<0.1	29	0.15	0.052
1085283	Soil	2.8	31.5	11.1	69	0.1	26.0	9.9	301	3.43	18.7	0.6	2.9	1.6	15	0.2	1.0	0.3	87	0.14	0.037
1000463	Soil	1.6	61.4	16.0	87	0.2	61.5	16.8	541	3.03	44.5	1.2	7.5	3.8	252	0.6	0.4	0.2	62	9.60	0.134
1085471	Soil	2.3	29.3	18.7	124	0.3	39.8	21.7	436	4.40	89.0	0.6	3.4	2.4	23	0.8	1.0	0.2	94	0.25	0.032
1085476	Soil	0.4	41.1	13.8	58	0.3	18.2	6.8	344	1.14	12.7	1.0	2.1	0.5	57	0.6	0.3	0.1	27	2.14	0.077
1085475	Soil	0.9	32.5	5.3	36	0.3	19.8	6.2	145	1.60	15.4	0.7	1.8	0.7	48	0.2	0.3	<0.1	39	0.89	0.038
1085477	Soil	1.0	50.1	23.3	110	0.3	44.6	17.2	791	2.79	25.4	1.5	2.6	2.3	55	0.8	0.4	0.1	60	1.30	0.082



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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
1085294	Soil	9	35	0.43	106	0.080	2	1.80	0.009	0.06	0.2	0.05	2.1	<0.1	0.07	7	<0.5	<0.2
1085288	Soil	12	35	0.56	125	0.060	<1	1.97	0.007	0.14	0.1	0.04	2.8	0.2	<0.05	5	<0.5	<0.2
1085291	Soil	7	37	0.74	141	0.129	<1	1.88	0.011	0.34	0.1	0.02	2.7	0.3	<0.05	6	<0.5	<0.2
1085284	Soil	8	32	0.55	83	0.082	1	1.77	0.010	0.06	0.2	0.04	2.2	<0.1	<0.05	5	<0.5	<0.2
1085299	Soil	7	25	0.24	87	0.094	<1	1.28	0.008	0.07	0.2	0.03	1.5	<0.1	<0.05	7	<0.5	<0.2
1085280	Soil	8	24	0.28	72	0.069	<1	1.08	0.008	0.03	<0.1	0.03	1.3	<0.1	<0.05	6	<0.5	<0.2
1085457	Soil	12	20	0.09	70	0.045	<1	0.89	0.004	0.05	0.1	0.04	1.6	<0.1	<0.05	6	0.8	<0.2
1085459	Soil	3	4	0.05	35	0.037	<1	0.42	0.018	0.03	<0.1	0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
1085298	Soil	9	28	0.42	122	0.089	<1	1.44	0.009	0.15	0.2	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
1085296	Soil	12	38	0.62	215	0.076	<1	2.13	0.013	0.09	0.2	0.04	3.2	0.1	<0.05	6	0.6	<0.2
1085453	Soil	10	42	0.56	167	0.107	<1	2.38	0.012	0.08	0.2	0.03	3.0	0.1	<0.05	8	0.6	<0.2
1085278	Soil	13	36	0.47	128	0.087	<1	1.63	0.010	0.06	<0.1	0.01	3.9	<0.1	<0.05	4	<0.5	<0.2
1085458	Soil	5	6	0.05	53	0.039	<1	0.71	0.023	0.03	<0.1	0.03	0.8	<0.1	<0.05	2	<0.5	<0.2
1085454	Soil	13	33	0.40	168	0.081	1	1.56	0.010	0.13	0.1	0.02	2.4	0.2	0.13	6	<0.5	<0.2
1085455	Soil	11	18	0.21	160	0.041	<1	0.92	0.007	0.07	0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1085287	Soil	11	40	0.57	170	0.082	<1	2.02	0.012	0.12	0.1	0.04	2.9	0.1	0.07	6	<0.5	<0.2
1085279	Soil	14	35	0.47	134	0.083	<1	1.62	0.010	0.06	0.1	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
1085293	Soil	8	38	0.73	125	0.114	2	2.50	0.013	0.09	0.1	0.03	3.7	<0.1	<0.05	6	<0.5	<0.2
1085286	Soil	11	33	0.49	118	0.092	<1	1.66	0.011	0.08	0.1	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2
1085289	Soil	9	34	0.55	105	0.122	<1	1.77	0.009	0.17	0.2	0.02	2.6	0.1	<0.05	7	0.7	<0.2
1085467	Soil	8	32	0.53	153	0.076	1	1.29	0.023	0.25	0.4	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
1085485	Soil	8	41	0.56	131	0.104	1	1.03	0.024	0.17	0.2	0.03	2.1	0.1	<0.05	6	<0.5	<0.2
1085290	Soil	9	45	0.83	153	0.135	<1	2.31	0.011	0.34	0.1	0.03	3.1	0.3	<0.05	6	0.7	<0.2
1085295	Soil	4	7	0.13	57	0.039	<1	0.47	0.017	0.04	<0.1	0.03	0.6	<0.1	<0.05	2	<0.5	<0.2
1085283	Soil	9	35	0.50	71	0.085	2	2.03	0.008	0.06	0.1	0.06	2.3	0.1	<0.05	8	<0.5	<0.2
1000463	Soil	12	55	1.52	167	0.082	2	1.46	0.021	0.32	0.2	<0.01	3.3	0.2	0.07	5	<0.5	<0.2
1085471	Soil	9	49	0.63	276	0.090	<1	2.40	0.014	0.15	0.2	0.02	2.9	0.1	<0.05	9	<0.5	<0.2
1085476	Soil	10	17	0.27	106	0.039	2	0.83	0.025	0.07	<0.1	0.05	1.2	<0.1	0.09	3	<0.5	<0.2
1085475	Soil	10	21	0.28	83	0.058	<1	0.83	0.028	0.09	0.1	0.05	1.6	<0.1	0.06	4	<0.5	<0.2
1085477	Soil	17	47	0.75	144	0.118	2	1.63	0.037	0.29	0.3	0.05	3.2	0.2	0.08	6	<0.5	<0.2



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Part 1

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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
1082423	Soil	0.9	36.7	16.3	105	0.5	36.5	14.0	427	3.33	71.3	1.8	12.0	4.8	41	0.5	0.4	0.5	64	0.77	0.084
1082424	Soil	1.2	30.5	19.5	108	0.2	41.3	15.4	299	3.53	33.4	0.7	4.6	4.5	23	0.6	0.4	0.5	72	0.31	0.038
1082421	Soil	0.6	36.8	18.3	116	0.4	43.3	15.9	379	3.16	45.8	1.4	5.8	6.1	34	0.7	0.3	0.4	60	0.52	0.057
1082425	Soil	0.6	21.3	15.2	104	0.2	27.6	8.4	257	2.01	19.8	0.9	9.6	8.4	21	0.3	0.2	0.5	39	0.39	0.065
1082422	Soil	0.9	29.6	12.7	90	0.3	18.8	10.4	512	2.21	51.1	1.4	6.4	2.0	78	0.5	0.4	0.2	35	1.73	0.066
1082426	Soil	0.8	41.7	17.3	97	0.4	30.5	13.8	421	2.75	22.7	3.1	5.1	4.2	40	0.5	0.3	0.4	55	0.80	0.057
1085456	Soil	1.3	40.8	10.1	86	0.9	39.7	15.5	447	3.44	97.0	1.0	7.1	3.3	24	0.4	1.3	0.1	70	0.20	0.071
1085300	Soil	1.7	37.4	9.5	85	0.2	34.8	15.0	495	3.35	44.8	1.0	3.8	3.4	16	0.4	0.7	0.2	70	0.21	0.081
1085297	Soil	1.1	23.0	5.4	41	0.2	12.7	5.3	123	2.14	25.0	0.4	1.2	1.0	9	0.2	0.4	0.1	60	0.09	0.034
1085451	Soil	2.3	28.8	15.2	67	0.6	22.5	7.4	231	3.19	154.5	0.6	8.7	2.1	16	0.1	1.2	0.3	86	0.15	0.050
1085285	Soil	1.4	32.6	8.8	68	0.2	31.5	11.4	273	2.99	11.9	0.8	1.5	1.8	15	0.2	0.6	0.2	70	0.18	0.038
1085292	Soil	0.9	35.9	8.8	71	0.2	29.1	11.4	220	2.85	16.2	1.1	2.3	3.4	25	0.1	0.5	0.1	59	0.31	0.085
1085281	Soil	1.7	29.5	12.6	69	<0.1	34.1	13.4	427	3.34	14.4	0.7	2.3	2.8	15	0.2	0.7	0.2	74	0.17	0.043
1085282	Soil	1.3	30.2	10.2	66	0.1	28.3	11.7	347	3.03	15.1	0.8	2.4	2.3	15	0.3	0.6	0.2	65	0.16	0.046
1085452	Soil	1.6	29.7	11.3	60	0.4	24.6	11.1	252	3.44	82.1	0.8	2.9	3.2	13	0.2	0.8	0.2	73	0.15	0.043
1082434	Soil	1.2	48.4	16.4	81	0.4	37.6	11.7	374	2.49	56.5	1.3	4.4	1.3	43	0.5	0.5	0.1	50	1.32	0.055
1082441	Soil	0.7	48.9	4.4	36	0.2	18.2	6.3	223	1.25	19.2	1.5	0.8	0.5	33	0.4	0.3	<0.1	31	1.18	0.044
1082440	Soil	1.8	39.8	17.2	137	0.3	44.2	13.3	424	2.86	44.7	1.3	5.6	2.1	39	0.6	0.9	0.2	53	1.18	0.088
1082439	Soil	0.8	47.2	9.6	69	0.3	34.8	10.8	300	2.17	27.0	1.0	1.2	1.0	46	0.2	0.4	0.1	48	1.50	0.059
1082437	Soil	1.0	46.8	8.3	82	0.4	31.7	14.3	549	2.85	26.6	0.6	1.1	1.8	27	0.3	0.4	0.2	64	0.39	0.058
1082432	Soil	0.9	42.9	4.4	38	0.1	19.1	8.8	343	1.90	10.3	1.4	1.1	0.7	73	0.2	0.3	<0.1	39	1.99	0.097
1082433	Soil	0.7	31.6	5.6	49	0.2	26.5	11.6	372	2.15	14.3	0.5	2.5	1.5	50	0.1	0.3	<0.1	41	1.34	0.056
1082435	Soil	1.4	75.2	12.2	99	0.5	52.8	15.1	396	3.46	75.3	1.9	7.6	3.5	31	0.2	0.4	0.2	73	0.64	0.072
1082436	Soil	1.7	30.5	9.6	65	0.3	21.7	8.0	223	2.56	99.7	0.7	1.9	1.9	21	0.3	0.5	0.2	67	0.29	0.044
1082438	Soil	0.8	45.6	8.0	67	0.3	30.6	10.4	338	2.03	28.9	1.1	5.2	1.0	43	0.3	0.5	0.1	46	1.48	0.060
1082427	Soil	0.8	38.9	9.8	63	0.3	22.3	11.5	565	1.90	44.2	1.1	5.1	1.0	60	0.4	0.4	0.1	39	1.45	0.064
1082428	Soil	2.5	48.1	16.4	91	0.2	32.9	28.7	3188	3.73	85.7	1.8	5.5	3.4	31	0.4	0.4	0.2	67	0.67	0.099
1082429	Soil	1.1	36.7	9.4	85	0.4	30.0	12.3	533	2.34	34.8	1.3	3.4	1.6	46	0.4	0.4	0.1	47	0.91	0.102
1082430	Soil	0.8	33.8	6.6	112	0.3	33.8	11.2	204	2.53	20.8	1.5	5.4	2.1	33	1.0	0.5	<0.1	54	0.89	0.094
1082431	Soil	1.5	35.9	17.5	103	0.4	30.2	9.8	381	2.51	54.5	0.8	6.7	2.1	37	0.2	0.5	0.1	46	1.08	0.078



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Part 2

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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
1082423	Soil	17	47	0.87	243	0.094	2	1.66	0.019	0.28	0.4	0.02	4.4	0.3	<0.05	6	<0.5	<0.2
1082424	Soil	10	55	0.86	298	0.112	<1	2.46	0.013	0.18	0.6	0.02	3.2	0.2	<0.05	8	<0.5	<0.2
1082421	Soil	19	56	0.96	219	0.113	<1	2.16	0.021	0.31	1.6	0.03	3.8	0.3	<0.05	7	<0.5	<0.2
1082425	Soil	17	37	0.62	438	0.081	<1	1.24	0.021	0.22	0.8	0.02	2.7	0.2	<0.05	4	<0.5	<0.2
1082422	Soil	13	20	0.52	119	0.046	4	1.03	0.021	0.14	0.3	0.03	2.2	0.1	0.10	4	<0.5	<0.2
1082426	Soil	14	44	0.74	255	0.093	<1	1.66	0.019	0.19	0.7	0.03	3.4	0.2	0.05	6	<0.5	<0.2
1085456	Soil	10	41	0.51	184	0.086	2	2.00	0.014	0.10	0.2	0.06	3.0	<0.1	<0.05	5	0.7	<0.2
1085300	Soil	9	39	0.59	156	0.105	2	2.22	0.012	0.15	0.2	0.03	2.9	0.1	<0.05	6	0.6	<0.2
1085297	Soil	5	15	0.18	67	0.077	<1	0.66	0.014	0.07	<0.1	0.03	0.8	<0.1	<0.05	4	<0.5	<0.2
1085451	Soil	9	28	0.36	121	0.101	<1	1.19	0.010	0.12	0.1	0.03	1.9	<0.1	<0.05	8	<0.5	<0.2
1085285	Soil	8	35	0.52	87	0.083	1	2.12	0.011	0.05	0.1	0.04	2.5	<0.1	<0.05	6	<0.5	<0.2
1085292	Soil	12	37	0.54	174	0.100	<1	1.62	0.013	0.17	0.1	0.02	3.9	0.1	<0.05	4	<0.5	<0.2
1085281	Soil	9	35	0.59	112	0.100	2	1.90	0.012	0.07	0.1	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
1085282	Soil	9	35	0.48	94	0.094	2	1.71	0.011	0.08	<0.1	0.04	2.3	<0.1	<0.05	6	<0.5	<0.2
1085452	Soil	9	35	0.43	94	0.085	<1	2.25	0.010	0.08	0.1	0.05	2.6	<0.1	<0.05	7	0.7	<0.2
1082434	Soil	9	36	0.58	187	0.059	2	1.42	0.020	0.19	0.1	0.04	2.5	0.1	<0.05	5	0.7	<0.2
1082441	Soil	4	16	0.27	132	0.047	2	0.70	0.030	0.11	<0.1	0.03	0.9	<0.1	0.07	2	0.7	<0.2
1082440	Soil	10	37	0.68	184	0.066	2	1.48	0.018	0.21	0.1	0.03	3.1	0.2	0.06	4	0.8	<0.2
1082439	Soil	9	35	0.57	191	0.062	2	1.32	0.025	0.15	<0.1	0.03	2.2	<0.1	0.12	4	0.8	<0.2
1082437	Soil	8	37	0.55	251	0.083	2	1.67	0.024	0.23	0.2	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
1082432	Soil	6	21	0.46	101	0.062	1	0.91	0.022	0.13	0.1	0.02	1.6	<0.1	0.17	3	0.5	<0.2
1082433	Soil	9	30	0.55	139	0.084	2	1.11	0.021	0.23	0.1	0.02	2.4	<0.1	0.11	4	<0.5	<0.2
1082435	Soil	15	51	0.84	265	0.096	2	2.01	0.018	0.35	0.2	0.04	4.6	0.2	<0.05	6	0.5	<0.2
1082436	Soil	9	26	0.36	139	0.084	<1	1.10	0.015	0.15	0.2	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
1082438	Soil	8	30	0.49	191	0.055	2	1.17	0.027	0.15	<0.1	0.05	2.2	<0.1	0.11	4	0.6	<0.2
1082427	Soil	8	27	0.51	170	0.050	3	1.18	0.029	0.12	0.2	0.03	2.4	0.1	0.13	4	0.7	<0.2
1082428	Soil	16	49	0.80	254	0.072	1	1.82	0.017	0.15	0.4	0.04	4.2	0.2	<0.05	6	0.8	<0.2
1082429	Soil	11	33	0.59	148	0.058	2	1.41	0.024	0.13	0.3	0.05	2.7	0.1	0.09	4	0.7	<0.2
1082430	Soil	12	28	0.54	127	0.069	2	1.26	0.016	0.16	0.1	0.04	2.4	0.1	0.08	4	0.6	<0.2
1082431	Soil	9	31	0.57	119	0.055	1	1.20	0.021	0.19	<0.1	0.02	2.5	0.1	0.07	4	0.6	<0.2



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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
1082452	Soil	1.5	51.3	7.2	78	0.2	44.4	20.4	527	3.78	122.3	1.9	24.7	2.0	60	0.1	0.9	0.1	69	1.37	0.144
1082453	Soil	1.5	52.3	7.0	80	0.2	44.5	21.5	528	3.88	126.6	1.8	30.0	1.9	62	0.2	1.0	0.1	73	1.40	0.143
1082454	Soil	0.7	152.6	5.1	40	0.2	55.8	18.7	583	2.29	35.2	2.0	5.4	0.9	80	<0.1	1.6	<0.1	46	2.49	0.080
1086276	Soil	0.3	20.3	3.8	27	<0.1	8.6	5.4	189	1.34	5.6	0.5	1.3	0.2	61	0.1	0.2	<0.1	35	1.58	0.052
1081498	Soil	1.0	47.3	11.0	65	0.5	36.1	13.3	500	3.12	23.9	1.7	6.2	2.2	39	0.2	0.6	0.1	53	0.88	0.064
1082449	Soil	1.2	24.5	6.7	45	0.6	13.1	3.9	135	1.05	14.6	0.7	4.5	0.4	25	1.5	0.4	<0.1	29	0.36	0.042
1082451	Soil	0.9	31.7	6.7	67	0.1	30.3	12.6	427	2.60	56.4	1.0	9.6	1.3	74	0.2	0.7	<0.1	46	1.98	0.095
1082446	Soil	2.9	50.5	439.4	314	1.6	43.0	14.6	606	3.28	583.8	1.8	18.4	3.2	33	5.8	1.3	0.2	57	0.67	0.095
1082448	Soil	1.8	42.5	21.8	91	0.7	28.1	11.0	346	2.33	69.8	1.0	4.1	1.4	24	0.8	0.4	0.1	53	0.36	0.063
1082450	Soil	3.3	30.6	13.8	115	0.3	29.3	12.2	714	2.79	40.1	1.0	2.2	2.3	31	0.5	0.9	0.2	56	0.56	0.069
1082442	Soil	0.9	39.3	9.5	85	0.3	34.5	11.5	381	2.26	40.0	1.1	3.3	1.3	44	0.5	0.5	0.1	48	1.67	0.070
1082443	Soil	1.1	43.4	14.2	85	0.3	46.0	11.7	371	2.35	60.6	1.3	3.3	1.6	39	0.6	0.5	0.1	51	1.42	0.068
1082444	Soil	0.9	46.6	10.8	86	0.3	48.5	10.2	297	1.79	50.2	1.1	4.2	0.6	69	1.4	0.8	0.2	40	2.19	0.072
1082445	Soil	1.9	45.0	13.9	131	0.4	44.9	14.6	434	2.85	72.3	1.2	1.9	2.3	39	0.8	1.0	0.2	62	0.87	0.077
1082447	Soil	2.7	44.9	22.6	150	0.6	46.4	16.1	378	3.85	117.3	0.8	5.5	2.4	26	0.8	0.7	0.3	82	0.31	0.060
1084519	Soil	0.7	43.0	16.4	70	0.4	37.6	17.2	498	3.42	12.3	1.2	4.4	1.7	75	0.2	2.3	0.2	68	1.55	0.076
1084520	Soil	0.7	49.6	9.1	47	<0.1	48.6	19.3	410	3.99	8.3	0.9	2.1	3.4	26	0.1	0.8	0.3	71	0.44	0.073
1045736	Soil	0.9	38.1	12.4	80	<0.1	50.3	18.9	457	4.10	12.7	1.0	3.6	6.9	26	0.1	0.7	0.2	76	0.39	0.033
1045784	Soil	0.7	41.1	9.7	58	<0.1	51.9	18.9	283	4.22	7.8	0.8	<0.5	6.2	18	<0.1	0.6	0.3	64	0.26	0.038
1081485	Soil	0.2	32.8	5.0	95	<0.1	35.2	25.3	1130	6.02	9.1	0.2	2.2	2.2	40	0.1	0.8	<0.1	87	1.10	0.236
1081491	Soil	0.8	33.6	11.9	79	<0.1	34.9	13.7	462	3.46	12.1	1.1	1.0	3.9	35	0.1	0.7	0.2	61	0.59	0.031
1084518	Soil	0.8	51.9	16.8	99	0.3	54.0	15.9	508	4.02	23.2	1.0	4.2	3.5	66	0.2	3.7	0.2	70	1.09	0.065
1081483	Soil	0.7	48.5	68.6	128	1.0	49.1	16.2	490	3.74	27.8	1.0	13.6	3.0	79	0.5	14.8	0.2	64	1.27	0.092
1081489	Soil	0.9	37.3	10.5	72	0.1	45.9	17.1	473	3.83	14.0	0.8	1.3	4.0	23	0.1	0.5	0.2	75	0.34	0.044
1081493	Soil	1.2	64.9	8.1	62	0.5	35.3	15.2	771	2.49	18.6	2.1	4.4	1.1	70	0.4	0.8	0.2	42	1.61	0.108
1081496	Soil	1.3	43.9	13.5	96	0.2	55.2	19.1	480	4.12	63.7	0.9	1.5	4.6	27	0.3	1.3	0.3	72	0.43	0.058
1081497	Soil	1.2	39.5	13.8	95	0.3	43.4	14.6	500	3.41	50.6	1.2	5.2	2.6	35	0.3	1.4	0.2	56	0.75	0.051
1081486	Soil	0.7	31.2	7.6	83	<0.1	34.1	17.3	415	4.84	13.5	0.7	2.7	1.7	24	0.1	0.7	0.2	77	0.58	0.129
1081499	Soil	0.7	59.8	30.9	83	1.0	40.8	12.7	365	3.04	20.6	2.3	10.8	1.7	70	0.3	4.8	0.2	54	1.35	0.092
1081492	Soil	1.0	35.5	11.7	84	0.1	42.8	15.2	390	3.80	19.1	0.8	1.5	4.0	25	0.3	1.2	0.2	65	0.43	0.043



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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
1082452	Soil	13	49	0.98	210	0.084	1	1.78	0.020	0.21	0.2	0.05	4.2	0.1	<0.05	7	0.5	<0.2
1082453	Soil	13	51	1.00	212	0.089	2	1.78	0.021	0.23	0.1	0.04	4.3	0.1	<0.05	7	0.9	<0.2
1082454	Soil	11	42	0.60	394	0.060	2	1.41	0.018	0.07	<0.1	0.08	3.0	<0.1	0.17	4	1.2	<0.2
1086276	Soil	3	8	0.18	66	0.044	1	0.45	0.023	0.04	<0.1	0.02	0.5	<0.1	0.10	2	<0.5	<0.2
1081498	Soil	19	45	0.74	209	0.086	1	2.03	0.030	0.17	<0.1	0.04	3.5	0.1	0.06	6	0.6	<0.2
1082449	Soil	4	12	0.19	85	0.043	<1	0.55	0.026	0.08	<0.1	0.06	1.0	<0.1	<0.05	3	<0.5	<0.2
1082451	Soil	10	43	0.72	166	0.081	3	1.25	0.027	0.19	0.1	0.04	2.4	0.1	0.15	5	<0.5	<0.2
1082446	Soil	16	38	0.72	203	0.070	<1	1.58	0.018	0.23	0.2	0.04	3.4	0.2	0.06	5	1.1	<0.2
1082448	Soil	11	28	0.48	204	0.067	<1	1.39	0.017	0.17	0.1	0.04	2.1	0.1	<0.05	5	<0.5	<0.2
1082450	Soil	10	30	0.61	150	0.076	1	1.41	0.020	0.16	0.2	0.03	2.3	0.2	<0.05	5	0.6	<0.2
1082442	Soil	9	36	0.58	191	0.066	1	1.26	0.023	0.21	<0.1	0.03	2.4	0.2	0.11	4	0.7	<0.2
1082443	Soil	10	44	0.77	195	0.068	1	1.35	0.022	0.22	0.1	0.02	2.3	0.2	0.08	4	0.6	<0.2
1082444	Soil	8	43	0.52	200	0.042	2	1.11	0.019	0.13	0.1	0.04	1.7	<0.1	0.15	3	1.2	<0.2
1082445	Soil	11	43	0.64	186	0.082	1	1.36	0.016	0.23	0.2	0.02	3.0	0.2	0.06	5	1.3	<0.2
1082447	Soil	8	49	0.78	199	0.107	<1	1.82	0.011	0.34	0.2	0.02	3.1	0.2	<0.05	7	0.9	<0.2
1084519	Soil	12	50	0.84	242	0.090	2	1.85	0.015	0.19	0.1	0.04	3.5	0.1	0.08	7	<0.5	<0.2
1084520	Soil	13	53	0.93	170	0.137	1	2.30	0.013	0.50	0.1	0.01	4.2	0.3	<0.05	7	<0.5	<0.2
1045736	Soil	14	57	0.93	172	0.149	2	2.68	0.015	0.24	0.2	0.02	4.7	0.2	<0.05	8	<0.5	<0.2
1045784	Soil	15	50	0.95	161	0.147	<1	2.48	0.010	0.48	0.1	<0.01	3.6	0.3	<0.05	8	<0.5	<0.2
1081485	Soil	7	38	1.67	362	0.313	<1	2.83	0.016	0.85	0.1	<0.01	6.6	0.1	<0.05	12	<0.5	<0.2
1081491	Soil	14	46	1.01	167	0.148	<1	2.24	0.017	0.31	0.1	0.01	4.0	0.2	<0.05	8	<0.5	<0.2
1084518	Soil	16	63	1.02	214	0.107	1	2.39	0.020	0.29	0.1	0.03	4.9	0.2	<0.05	7	0.8	<0.2
1081483	Soil	17	54	0.91	162	0.095	1	2.04	0.020	0.20	0.2	0.04	4.7	0.2	<0.05	7	0.9	<0.2
1081489	Soil	12	55	1.10	174	0.150	<1	2.45	0.014	0.31	0.1	<0.01	4.1	0.2	<0.05	8	<0.5	<0.2
1081493	Soil	21	35	0.51	160	0.038	<1	1.49	0.016	0.06	<0.1	0.07	2.4	<0.1	0.12	5	1.2	<0.2
1081496	Soil	14	61	0.98	182	0.097	1	2.58	0.013	0.18	0.2	<0.01	3.9	0.1	<0.05	8	<0.5	<0.2
1081497	Soil	12	52	0.76	181	0.074	1	1.88	0.014	0.21	0.1	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
1081486	Soil	8	39	1.36	198	0.186	<1	2.78	0.011	0.67	<0.1	0.01	4.6	0.2	<0.05	10	<0.5	<0.2
1081499	Soil	18	47	0.75	187	0.066	1	1.85	0.016	0.17	<0.1	0.06	3.6	0.1	0.06	6	0.5	<0.2
1081492	Soil	13	45	0.93	185	0.074	<1	2.22	0.011	0.11	0.1	0.02	3.2	0.1	<0.05	7	<0.5	<0.2



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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
1085176	Soil	1.4	29.7	11.8	94	0.3	29.3	13.5	278	3.01	15.9	0.5	4.0	3.0	18	0.6	0.6	0.3	65	0.16	0.052
1085175	Soil	1.4	29.2	15.4	95	0.5	34.4	13.9	492	3.22	23.6	0.8	1.3	4.3	18	0.7	0.7	0.3	71	0.19	0.049
1045783	Soil	1.0	34.9	9.5	57	<0.1	38.5	14.1	290	3.86	10.3	0.8	<0.5	4.0	16	0.1	0.7	0.3	71	0.23	0.041
1045786	Soil	1.3	30.3	12.2	69	0.1	31.9	14.9	349	3.62	11.3	0.7	<0.5	2.5	38	0.2	0.7	0.3	75	0.56	0.037
1081487	Soil	1.5	35.9	12.8	75	0.1	34.2	17.2	600	3.98	17.8	0.9	0.8	3.4	22	0.2	0.7	0.3	69	0.29	0.057
1085170	Soil	2.9	64.7	8.4	199	0.6	48.3	12.6	520	2.70	14.9	1.4	3.3	2.8	31	1.1	4.5	0.2	117	0.48	0.095
1085154	Soil	2.2	26.9	14.5	66	<0.1	26.9	9.7	358	4.18	97.4	0.8	2.2	3.9	17	0.2	2.8	0.3	64	0.15	0.044
1085153	Soil	1.3	33.0	11.5	79	<0.1	40.9	19.3	381	3.49	17.4	0.8	1.6	3.5	14	0.3	1.3	0.3	61	0.15	0.050
1085174	Soil	1.3	24.2	7.5	65	0.4	17.4	7.6	235	2.28	10.7	0.4	<0.5	1.7	17	0.5	0.9	0.2	61	0.16	0.063
1085173	Soil	2.2	27.7	11.7	104	0.4	22.9	11.4	342	3.17	12.2	0.7	1.7	2.1	20	0.4	1.2	0.3	80	0.20	0.045
1085172	Soil	9.6	61.2	7.1	174	0.8	72.1	40.4	>10000	3.56	36.6	1.2	3.2	0.9	62	5.0	3.5	0.2	65	1.15	0.114
1085155	Soil	2.0	23.3	13.0	67	<0.1	26.8	9.5	306	3.72	18.0	0.7	<0.5	3.0	13	0.2	1.4	0.3	68	0.14	0.042
1085179	Soil	0.9	25.7	9.6	63	0.2	24.6	8.3	218	2.13	19.4	0.6	1.4	2.9	19	0.4	0.5	0.2	49	0.22	0.048
1085178	Soil	0.8	26.2	8.3	56	0.4	21.5	9.0	277	2.01	12.5	0.4	1.4	2.3	17	0.4	0.5	0.3	45	0.16	0.043
1085151	Soil	1.0	30.6	18.9	80	<0.1	34.4	17.9	408	3.42	62.0	1.4	2.3	6.2	11	0.3	3.1	0.2	43	0.13	0.040
1085152	Soil	1.8	32.5	14.3	75	0.1	27.3	10.5	355	3.28	35.8	1.0	2.1	4.1	18	0.2	2.1	0.3	51	0.13	0.054
1085156	Soil	1.6	21.5	13.2	76	<0.1	24.9	9.0	341	3.81	18.7	0.7	<0.5	3.1	12	0.2	1.1	0.3	60	0.13	0.047
1081495	Soil	1.1	34.4	14.1	88	0.2	33.5	12.3	433	3.23	28.8	0.8	1.3	3.1	24	0.2	1.3	0.2	54	0.52	0.074
1086273	Soil	1.2	54.5	9.0	86	0.1	62.7	20.5	447	3.79	137.5	0.8	6.4	2.5	23	0.2	8.9	0.2	61	0.39	0.037
1086277	Soil	0.9	53.4	6.2	50	<0.1	55.6	17.9	305	2.87	13.0	0.4	2.6	1.8	22	0.2	0.8	0.2	71	0.31	0.031
1086082	Soil	0.7	81.1	8.1	57	0.2	82.2	23.0	496	3.45	25.9	0.8	1.9	2.0	37	0.1	1.3	0.2	73	0.77	0.061
1086083	Soil	1.0	52.2	8.7	70	<0.1	62.4	19.1	313	3.52	20.5	0.6	3.8	3.6	21	0.2	1.5	0.2	78	0.28	0.035
1086274	Soil	1.0	58.2	7.9	68	0.2	54.6	19.8	361	3.35	39.9	0.7	7.8	3.2	25	0.2	1.5	0.2	65	0.40	0.051
1086275	Soil	1.0	38.9	16.8	90	0.8	34.9	11.7	414	2.85	67.8	2.0	19.8	1.8	60	0.3	1.6	0.2	46	1.03	0.070
1045785	Soil	0.9	27.9	9.1	48	0.2	28.2	11.3	216	3.02	25.0	0.5	<0.5	2.7	17	0.2	0.7	0.2	57	0.18	0.024
1045735	Soil	0.6	41.6	12.0	86	<0.1	43.2	16.8	339	4.19	22.0	0.7	0.9	6.1	16	<0.1	2.3	0.2	56	0.18	0.023
1081484	Soil	0.5	37.0	11.4	85	0.1	45.7	17.5	674	4.01	11.9	0.8	3.8	5.7	47	0.3	1.1	0.2	61	0.74	0.142
1081488	Soil	1.3	27.4	10.8	68	<0.1	33.2	10.9	272	4.00	30.6	0.5	4.9	3.2	16	0.1	0.5	0.2	78	0.26	0.032
1081490	Soil	1.0	58.9	6.0	35	1.7	17.5	6.3	289	1.74	10.7	4.7	7.2	1.2	58	0.2	0.5	0.1	40	1.13	0.211
1081494	Soil	1.8	39.5	13.6	85	0.2	33.4	12.6	431	2.97	30.9	0.7	4.4	1.7	30	0.3	1.3	0.2	56	0.69	0.082



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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
1085176	Soil	7	40	0.60	204	0.084	<1	2.00	0.012	0.12	0.4	0.02	2.4	0.1	<0.05	7	<0.5	<0.2
1085175	Soil	11	45	0.71	278	0.093	<1	2.30	0.012	0.10	0.6	0.03	3.3	0.2	<0.05	8	<0.5	<0.2
1045783	Soil	12	44	0.81	165	0.124	<1	2.12	0.009	0.33	0.1	<0.01	3.3	0.2	<0.05	8	<0.5	<0.2
1045786	Soil	11	46	0.69	178	0.102	<1	1.88	0.015	0.17	0.1	0.01	2.9	0.1	<0.05	8	<0.5	<0.2
1081487	Soil	13	45	0.92	149	0.089	1	2.30	0.008	0.18	0.1	0.02	3.5	0.1	<0.05	8	<0.5	<0.2
1085170	Soil	13	45	0.84	510	0.072	<1	1.98	0.014	0.14	0.4	0.04	4.6	0.1	<0.05	6	1.2	<0.2
1085154	Soil	17	28	0.41	126	0.053	1	1.54	0.007	0.10	0.2	0.02	2.3	0.1	<0.05	7	<0.5	<0.2
1085153	Soil	10	43	0.63	130	0.094	1	2.56	0.011	0.12	0.2	0.04	2.9	0.1	<0.05	6	<0.5	<0.2
1085174	Soil	7	22	0.34	145	0.067	<1	1.21	0.016	0.08	0.3	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
1085173	Soil	9	35	0.55	248	0.074	<1	1.65	0.011	0.09	0.1	0.02	2.1	0.1	<0.05	7	<0.5	<0.2
1085172	Soil	10	32	0.48	1198	0.040	2	1.50	0.013	0.21	0.1	0.06	2.5	0.2	0.08	4	1.0	<0.2
1085155	Soil	11	30	0.45	104	0.087	<1	1.45	0.007	0.15	0.2	0.03	2.1	0.1	<0.05	7	<0.5	<0.2
1085179	Soil	8	29	0.44	276	0.068	<1	1.50	0.016	0.10	0.3	<0.01	1.9	0.1	<0.05	5	<0.5	<0.2
1085178	Soil	6	24	0.38	174	0.067	<1	1.53	0.015	0.10	0.2	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1085151	Soil	23	25	0.49	128	0.064	1	1.51	0.007	0.19	<0.1	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
1085152	Soil	16	31	0.55	292	0.064	<1	1.65	0.016	0.27	0.1	0.02	3.4	0.2	0.07	6	<0.5	<0.2
1085156	Soil	10	30	0.53	99	0.093	1	1.54	0.007	0.17	0.2	0.02	2.1	0.1	<0.05	7	<0.5	<0.2
1081495	Soil	13	49	0.79	123	0.061	<1	1.51	0.011	0.16	0.1	<0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
1086273	Soil	12	53	0.68	132	0.054	2	1.57	0.012	0.19	0.2	0.02	6.5	0.1	<0.05	5	0.6	<0.2
1086277	Soil	6	55	0.70	120	0.085	1	1.70	0.013	0.08	0.1	0.01	3.5	<0.1	0.05	6	<0.5	<0.2
1086082	Soil	12	78	0.94	247	0.102	2	2.10	0.016	0.15	0.2	0.03	4.9	0.1	0.07	7	0.6	<0.2
1086083	Soil	9	72	1.01	196	0.151	<1	2.36	0.010	0.20	0.2	0.01	4.2	0.1	<0.05	8	<0.5	<0.2
1086274	Soil	13	48	0.74	122	0.101	2	1.67	0.017	0.15	0.2	0.01	4.7	0.1	<0.05	6	<0.5	<0.2
1086275	Soil	13	37	0.68	197	0.055	2	1.47	0.014	0.19	0.2	0.04	3.1	0.1	0.14	5	0.6	<0.2
1045785	Soil	8	29	0.54	99	0.085	1	1.68	0.010	0.17	0.1	0.02	2.4	0.1	0.05	6	<0.5	<0.2
1045735	Soil	14	44	0.73	118	0.112	1	1.97	0.011	0.37	0.1	<0.01	3.5	0.2	<0.05	7	<0.5	<0.2
1081484	Soil	18	50	1.05	169	0.137	1	2.46	0.011	0.37	0.2	0.01	4.8	0.3	<0.05	8	<0.5	<0.2
1081488	Soil	9	49	1.00	114	0.153	<1	2.04	0.008	0.31	0.1	<0.01	3.8	0.2	<0.05	9	<0.5	<0.2
1081490	Soil	73	30	0.39	116	0.025	2	1.93	0.015	0.07	<0.1	0.16	3.0	<0.1	0.27	4	2.4	<0.2
1081494	Soil	10	56	0.71	130	0.055	1	1.56	0.013	0.14	0.2	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2



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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
1085164	Soil	1.8	34.7	12.4	81	0.4	28.4	12.6	622	3.27	28.3	0.6	<0.5	1.6	19	0.6	2.8	0.2	70	0.18	0.055
1085171	Soil	1.9	27.8	7.8	130	0.7	24.3	7.3	186	2.40	12.6	0.5	<0.5	1.2	16	2.3	2.0	0.2	81	0.16	0.053
1085167	Soil	2.2	54.4	9.1	207	1.5	48.1	11.8	302	2.99	16.6	1.1	3.2	2.7	25	1.8	3.3	0.2	107	0.25	0.144
1085169	Soil	2.0	49.9	9.7	174	1.3	41.3	12.5	398	2.82	15.9	0.7	<0.5	2.0	23	2.6	2.9	0.2	101	0.26	0.109
1085168	Soil	2.8	51.8	9.1	192	1.0	54.9	12.0	283	3.02	24.5	1.2	2.6	2.3	33	1.8	6.1	0.2	108	0.39	0.159
1085161	Soil	2.0	18.9	10.4	52	0.2	13.0	10.3	516	3.03	11.1	0.4	0.9	1.3	16	0.4	0.8	0.3	71	0.12	0.087
1085165	Soil	1.6	31.3	10.4	75	0.4	29.4	11.3	453	2.94	21.9	0.7	2.6	2.4	16	0.4	2.1	0.2	68	0.17	0.073
1085162	Soil	1.4	32.9	12.7	86	0.3	31.5	11.3	433	3.14	20.6	0.7	2.0	1.8	17	0.4	2.8	0.2	61	0.19	0.101
1085177	Soil	0.9	33.3	10.9	71	0.4	30.4	10.6	290	2.53	21.1	0.6	1.4	3.4	20	0.4	0.6	0.3	57	0.18	0.040
1085160	Soil	1.7	26.9	10.2	82	0.2	28.9	9.6	322	3.57	16.5	0.7	2.2	2.5	13	0.8	1.9	0.3	73	0.15	0.065
1085157	Soil	1.5	27.2	13.0	70	<0.1	30.4	10.6	301	4.16	18.9	0.7	1.1	3.1	12	0.2	1.2	0.3	59	0.12	0.035
1085158	Soil	1.1	43.7	14.3	87	0.1	47.6	20.2	520	4.47	22.4	1.0	3.4	5.1	12	0.4	1.4	0.3	64	0.15	0.055
1085163	Soil	1.4	35.7	12.6	97	0.4	36.6	13.6	505	3.57	30.8	0.9	3.6	1.3	22	0.4	3.4	0.2	70	0.25	0.108
1085166	Soil	2.0	42.3	10.2	195	1.1	34.1	10.1	266	3.10	14.7	0.9	1.3	2.3	23	2.2	1.8	0.2	101	0.25	0.122
1085159	Soil	1.5	23.2	9.4	67	0.2	23.4	7.4	279	2.63	15.6	0.7	1.5	2.1	14	0.4	1.7	0.2	56	0.15	0.059
1082471	Soil	2.9	68.7	20.7	155	1.2	29.6	10.1	207	5.05	192.5	2.4	34.6	6.6	202	0.5	7.5	0.3	51	0.26	0.127
1082472	Soil	0.7	26.1	13.0	91	0.3	32.5	10.7	316	2.69	35.2	0.7	21.8	4.2	33	0.2	0.5	0.2	56	0.58	0.079
1082468	Soil	0.6	18.2	10.3	65	0.3	22.2	8.3	270	1.87	25.0	0.8	5.9	2.7	43	0.1	0.3	0.1	37	0.70	0.056
1081010	Soil	3.1	74.1	240.5	521	1.2	64.0	17.7	624	3.65	62.8	1.4	19.0	3.4	37	7.5	1.0	0.6	85	0.35	0.075
1081011	Soil	2.2	38.9	190.5	937	1.2	49.1	16.3	600	4.21	52.8	0.9	5.8	3.3	25	8.8	1.2	0.5	126	0.24	0.048
1081001	Soil	1.3	121.2	19.3	86	0.7	93.1	27.5	508	4.63	61.0	0.6	4.7	2.8	46	0.3	0.4	0.2	88	0.61	0.092
1081006	Soil	1.0	36.2	24.1	152	0.3	41.9	15.5	501	3.96	26.6	0.6	2.2	3.6	24	1.1	0.5	0.3	83	0.24	0.048
1081008	Soil	5.9	77.3	16.6	261	0.8	75.7	19.1	577	4.30	41.7	1.7	3.8	4.8	31	1.4	1.4	0.2	130	0.33	0.124
1081004	Soil	1.5	45.6	22.8	121	0.3	51.9	16.5	390	4.53	19.0	0.9	3.1	4.2	22	0.5	0.5	0.2	99	0.25	0.051
1081005	Soil	1.1	46.8	19.4	101	<0.1	96.6	23.9	431	3.90	40.8	0.6	5.3	2.9	34	0.3	0.3	0.2	85	0.46	0.065
1081002	Soil	2.6	105.2	18.6	127	0.6	26.1	10.2	387	2.59	13.0	0.8	2.4	2.3	19	1.0	0.5	0.2	47	0.35	0.056
1081003	Soil	2.7	35.2	60.7	169	0.5	32.6	11.2	303	3.30	28.7	3.0	3.5	11.0	15	1.1	1.3	0.2	60	0.19	0.055
1081007	Soil	1.8	29.8	12.5	100	0.4	23.4	11.9	474	2.88	18.8	0.5	4.0	1.9	14	1.3	0.4	0.2	73	0.13	0.042
1081012	Soil	2.1	40.4	38.2	136	1.8	30.8	12.3	511	4.52	93.9	0.7	10.7	3.2	22	0.9	0.9	0.3	77	0.15	0.067
1081009	Soil	2.6	52.6	55.4	157	0.3	58.3	18.0	356	3.93	34.9	1.0	3.5	3.4	28	0.7	0.6	0.3	95	0.25	0.071



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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
1085164	Soil	8	29	0.43	253	0.050	<1	1.55	0.009	0.12	0.2	0.01	2.2	0.1	<0.05	7	<0.5	<0.2
1085171	Soil	6	26	0.42	264	0.053	<1	1.41	0.014	0.08	0.1	0.02	1.8	<0.1	0.07	6	0.8	<0.2
1085167	Soil	8	41	0.61	416	0.061	1	2.12	0.010	0.12	0.2	0.03	2.7	0.1	<0.05	6	1.2	<0.2
1085169	Soil	7	38	0.54	330	0.062	<1	1.93	0.011	0.09	0.2	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1085168	Soil	8	35	0.48	243	0.066	<1	2.03	0.011	0.09	0.3	0.04	2.6	0.1	<0.05	6	1.0	<0.2
1085161	Soil	7	23	0.32	144	0.070	<1	1.49	0.009	0.09	0.1	0.02	1.4	<0.1	<0.05	7	<0.5	<0.2
1085165	Soil	8	36	0.56	218	0.079	<1	1.65	0.008	0.22	0.1	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
1085162	Soil	9	29	0.47	193	0.073	<1	1.48	0.008	0.22	0.1	0.02	2.0	0.1	<0.05	6	<0.5	<0.2
1085177	Soil	7	33	0.53	210	0.077	<1	2.05	0.012	0.13	0.2	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
1085160	Soil	8	31	0.48	120	0.090	<1	1.52	0.007	0.16	0.2	0.02	2.4	0.2	<0.05	7	<0.5	<0.2
1085157	Soil	10	30	0.67	135	0.092	1	2.10	0.008	0.32	<0.1	0.01	2.9	0.2	<0.05	8	<0.5	<0.2
1085158	Soil	13	42	0.80	207	0.089	1	2.65	0.008	0.31	0.1	0.03	4.0	0.2	<0.05	7	<0.5	<0.2
1085163	Soil	11	39	0.64	302	0.068	<1	1.92	0.011	0.27	0.1	0.02	2.7	0.2	<0.05	7	0.5	<0.2
1085166	Soil	8	35	0.55	507	0.062	<1	1.89	0.008	0.10	0.3	0.04	2.5	<0.1	<0.05	7	<0.5	<0.2
1085159	Soil	9	25	0.43	140	0.068	<1	1.38	0.009	0.16	0.2	0.02	2.0	0.1	<0.05	6	<0.5	<0.2
1082471	Soil	28	28	0.30	353	0.028	<1	0.75	0.031	0.35	0.3	0.01	2.3	0.3	0.71	3	2.3	0.3
1082472	Soil	10	46	0.74	145	0.096	<1	1.48	0.017	0.26	0.5	0.01	3.2	0.2	<0.05	5	<0.5	<0.2
1082468	Soil	9	36	0.59	117	0.066	1	1.10	0.018	0.12	0.4	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1081010	Soil	11	42	0.75	436	0.072	1	2.12	0.017	0.11	0.6	0.02	3.9	0.1	0.06	7	0.9	0.3
1081011	Soil	10	53	0.81	426	0.088	1	2.91	0.011	0.09	0.3	0.02	4.0	0.1	<0.05	9	<0.5	<0.2
1081001	Soil	8	125	1.68	225	0.124	2	3.10	0.017	0.13	2.1	0.02	5.1	0.3	<0.05	9	0.6	<0.2
1081006	Soil	9	43	0.81	404	0.118	2	2.41	0.012	0.15	0.2	0.02	3.6	0.1	<0.05	8	<0.5	<0.2
1081008	Soil	16	53	0.94	240	0.098	1	2.30	0.013	0.27	0.7	0.03	3.9	0.2	0.10	7	1.0	<0.2
1081004	Soil	11	68	1.09	196	0.173	1	3.44	0.013	0.28	0.5	0.02	5.5	0.2	<0.05	11	<0.5	<0.2
1081005	Soil	9	140	1.32	157	0.148	3	2.61	0.017	0.32	0.3	0.02	4.5	0.3	<0.05	8	0.5	<0.2
1081002	Soil	13	23	0.49	130	0.054	2	1.35	0.014	0.05	3.7	0.03	2.6	<0.1	<0.05	4	0.8	<0.2
1081003	Soil	31	33	0.50	75	0.088	2	2.29	0.009	0.05	0.5	0.04	3.1	<0.1	0.05	7	0.7	<0.2
1081007	Soil	8	35	0.51	159	0.091	2	1.58	0.017	0.12	0.5	<0.01	2.7	0.1	0.06	6	0.6	<0.2
1081012	Soil	11	37	0.53	199	0.066	1	1.80	0.008	0.15	<0.1	0.02	2.9	0.1	<0.05	7	0.7	<0.2
1081009	Soil	11	44	0.82	362	0.136	2	2.57	0.018	0.11	0.4	0.02	3.7	0.1	0.06	8	0.8	<0.2



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Part 1

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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
1082473	Soil	0.7	29.4	12.7	93	0.3	32.4	11.1	316	2.60	34.1	0.7	7.9	4.9	34	0.3	0.4	0.2	54	0.59	0.080
1082460	Soil	2.4	48.4	12.3	81	0.8	34.2	12.1	353	4.02	77.7	0.9	15.6	3.4	17	0.2	1.0	0.3	84	0.17	0.063
1082462	Soil	0.7	30.2	16.7	81	0.3	37.2	12.9	407	3.11	50.1	0.6	18.1	3.5	28	0.1	0.4	0.2	63	0.37	0.064
1082463	Soil	0.7	7.7	1.0	26	<0.1	3.6	13.1	1051	1.78	22.2	0.2	0.5	0.3	21	0.2	0.1	<0.1	49	0.29	0.059
1082457	Soil	2.4	29.4	16.4	87	0.3	26.9	11.1	419	4.94	49.3	0.8	10.7	3.6	23	0.3	1.1	0.3	108	0.24	0.053
1082469	Soil	0.7	41.0	14.2	61	0.4	28.3	18.0	582	2.75	54.7	2.9	8.8	3.6	69	0.2	0.4	0.2	46	1.16	0.079
1082456	Soil	1.1	42.4	8.6	82	0.1	40.1	16.4	445	3.78	43.3	0.8	8.9	3.3	19	0.3	0.5	0.2	76	0.20	0.041
1082458	Soil	0.7	55.1	10.4	129	<0.1	50.3	15.1	326	3.99	41.0	1.2	4.6	2.6	17	0.1	0.5	0.3	73	0.29	0.105
1082470	Soil	0.6	18.6	9.0	66	0.1	23.2	8.6	238	1.92	18.1	0.6	9.0	3.0	34	0.1	0.3	0.2	39	0.56	0.042
1082459	Soil	2.2	44.0	12.3	80	0.3	30.0	10.1	221	3.61	67.7	1.0	23.6	3.0	17	0.2	1.1	0.3	68	0.16	0.060
1082465	Soil	0.3	10.7	12.9	62	0.2	22.0	6.2	175	1.76	22.1	0.6	15.7	4.4	28	0.1	0.2	0.1	36	0.46	0.088
1082466	Soil	0.4	30.9	12.1	74	0.3	28.0	10.7	834	2.08	46.4	0.9	15.5	2.9	53	0.3	0.3	0.1	38	0.79	0.082
1082467	Soil	0.5	23.0	12.0	73	0.3	27.8	8.9	650	2.01	29.5	0.9	11.9	4.1	48	0.2	0.3	0.1	38	0.75	0.079
1082464	Soil	0.6	8.2	0.7	22	0.1	3.4	17.5	974	1.88	7.7	0.2	2.1	0.4	16	0.1	<0.1	<0.1	46	0.21	0.054
1082461	Soil	0.8	16.7	6.7	66	0.1	19.0	7.9	223	2.27	52.7	0.6	11.1	1.8	20	<0.1	0.3	0.1	53	0.26	0.087
1038858	Soil	2.3	42.0	11.3	102	0.2	29.8	10.6	343	3.74	18.1	1.2	5.9	2.1	22	0.8	1.3	0.2	99	0.21	0.080
1038859	Soil	1.5	36.0	9.3	76	0.2	27.2	9.9	237	3.49	16.7	0.9	1.5	1.7	24	0.3	1.3	0.2	80	0.25	0.059
1038860	Soil	2.4	143.0	8.7	777	0.3	149.1	15.7	376	3.00	36.0	2.8	5.3	1.8	32	3.8	11.4	0.2	101	0.60	0.239
1038861	Soil	2.5	33.6	12.0	125	0.9	27.9	7.5	195	3.06	19.6	0.8	3.5	1.7	18	0.5	2.0	0.2	89	0.17	0.044
1038862	Soil	11.7	68.1	42.8	322	8.3	67.4	10.3	208	3.07	61.9	3.4	10.2	1.4	37	2.5	10.8	0.2	91	0.30	0.114
1038855	Soil	0.6	34.5	9.1	72	0.2	37.7	14.6	356	3.27	19.0	1.0	4.6	4.9	14	0.4	1.1	0.2	53	0.26	0.083
1038873	Soil	0.6	29.5	8.2	64	0.1	34.6	13.2	330	2.97	17.2	1.0	3.7	4.5	13	0.3	1.1	0.2	47	0.24	0.077
1038872	Soil	1.3	38.8	9.4	59	0.1	32.5	12.4	236	4.04	13.5	0.8	4.4	3.0	14	0.5	0.6	0.2	71	0.23	0.079
1038856	Soil	1.6	56.6	9.0	191	0.2	69.1	15.1	448	2.63	17.5	1.2	4.2	1.9	33	1.7	1.5	0.2	62	0.49	0.132
1038857	Soil	7.6	43.9	7.7	253	0.2	65.1	11.8	284	2.71	34.3	3.8	2.6	2.6	24	2.7	10.0	0.2	105	0.13	0.052
1038851	Soil	1.7	31.7	9.5	72	0.2	27.5	12.0	351	3.11	34.5	0.8	8.0	1.9	17	0.3	0.9	0.3	61	0.18	0.086
1004396	Soil	1.8	44.6	9.0	94	0.3	42.9	13.9	461	3.30	62.2	0.8	9.1	4.0	19	0.3	1.1	0.2	63	0.29	0.109
1038852	Soil	1.2	82.0	15.8	764	0.3	124.1	21.7	1009	4.15	24.0	1.0	10.1	5.4	35	4.1	0.6	0.2	79	0.43	0.127
1038853	Soil	1.2	33.2	8.4	183	0.1	40.9	9.4	313	2.65	25.2	1.1	3.2	1.1	16	1.3	1.2	0.2	56	0.26	0.139
1038854	Soil	0.6	36.8	10.9	112	<0.1	37.4	10.3	285	3.03	23.0	1.8	3.1	7.4	18	0.7	1.6	0.2	60	0.38	0.095



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Part 2

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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
1082473	Soil	12	46	0.77	143	0.108	1	1.54	0.020	0.30	0.5	0.01	3.6	0.3	<0.05	6	0.7	<0.2
1082460	Soil	11	44	0.58	155	0.103	2	1.82	0.013	0.24	0.2	0.03	3.1	0.2	<0.05	7	<0.5	<0.2
1082462	Soil	11	50	0.83	180	0.109	2	1.91	0.019	0.18	0.4	0.02	3.4	0.2	<0.05	7	0.9	<0.2
1082463	Soil	3	5	0.09	39	0.066	2	0.27	0.034	0.02	<0.1	0.02	0.5	<0.1	<0.05	2	<0.5	<0.2
1082457	Soil	11	40	0.62	121	0.145	2	1.91	0.010	0.09	0.2	0.03	3.5	0.2	<0.05	10	0.6	<0.2
1082469	Soil	16	41	0.60	166	0.069	3	1.18	0.019	0.13	0.5	0.03	3.1	0.2	0.06	4	1.1	<0.2
1082456	Soil	10	51	0.78	243	0.140	3	2.70	0.013	0.28	0.1	0.04	4.8	0.2	<0.05	7	0.7	<0.2
1082458	Soil	9	53	0.83	294	0.127	1	2.04	0.006	0.96	<0.1	0.01	3.7	0.5	<0.05	7	0.6	<0.2
1082470	Soil	11	34	0.56	123	0.079	1	1.07	0.024	0.20	0.4	0.01	2.4	0.2	<0.05	5	0.6	<0.2
1082459	Soil	12	35	0.43	163	0.077	2	1.76	0.008	0.22	0.1	0.03	2.7	0.2	<0.05	7	0.8	<0.2
1082465	Soil	13	43	0.62	97	0.068	1	1.12	0.016	0.11	0.9	<0.01	2.3	0.1	0.07	5	0.5	<0.2
1082466	Soil	13	39	0.61	147	0.066	2	1.27	0.026	0.12	0.5	0.02	2.6	0.1	0.07	5	0.8	<0.2
1082467	Soil	14	45	0.66	138	0.073	2	1.28	0.020	0.16	0.7	0.02	2.8	0.2	0.07	5	0.8	<0.2
1082464	Soil	3	5	0.08	35	0.069	<1	0.23	0.031	0.02	<0.1	<0.01	0.5	<0.1	<0.05	2	<0.5	<0.2
1082461	Soil	8	33	0.51	95	0.082	<1	1.03	0.021	0.10	0.2	0.03	1.9	0.1	0.07	5	<0.5	<0.2
1038858	Soil	10	48	0.66	88	0.107	3	2.58	0.009	0.08	0.2	0.07	3.6	0.1	0.08	8	0.7	<0.2
1038859	Soil	8	33	0.49	142	0.108	3	1.84	0.010	0.07	0.1	0.05	3.0	<0.1	0.10	7	0.8	<0.2
1038860	Soil	17	32	0.49	155	0.062	2	1.59	0.010	0.07	0.2	0.04	3.4	0.1	<0.05	5	1.3	<0.2
1038861	Soil	9	30	0.38	96	0.084	2	1.63	0.008	0.04	0.1	0.04	2.3	0.1	0.05	8	<0.5	<0.2
1038862	Soil	11	29	0.30	126	0.057	2	1.53	0.010	0.05	0.4	0.08	2.7	0.1	0.08	5	2.2	<0.2
1038855	Soil	16	36	0.76	137	0.135	2	2.02	0.012	0.33	0.1	0.02	3.6	0.3	<0.05	6	<0.5	<0.2
1038873	Soil	14	33	0.74	132	0.118	1	1.89	0.009	0.33	0.1	0.03	3.3	0.3	<0.05	5	0.7	<0.2
1038872	Soil	12	40	0.89	144	0.186	1	2.05	0.010	0.48	<0.1	0.02	3.5	0.3	<0.05	8	<0.5	<0.2
1038856	Soil	13	30	0.56	192	0.068	2	1.79	0.015	0.07	0.2	0.05	3.1	0.1	<0.05	5	0.9	<0.2
1038857	Soil	12	32	0.48	105	0.081	2	1.89	0.008	0.08	0.3	0.05	2.8	0.1	<0.05	5	2.5	<0.2
1038851	Soil	11	36	0.47	113	0.064	2	1.64	0.009	0.14	<0.1	0.04	2.5	0.1	0.05	5	0.8	<0.2
1004396	Soil	13	44	0.61	219	0.095	1	1.53	0.009	0.34	<0.1	0.02	3.3	0.2	<0.05	5	<0.5	<0.2
1038852	Soil	17	48	1.06	186	0.100	2	2.58	0.025	0.19	0.2	0.03	5.5	0.3	<0.05	7	<0.5	<0.2
1038853	Soil	13	29	0.52	109	0.056	1	1.44	0.008	0.17	<0.1	0.02	2.0	0.2	<0.05	6	0.5	<0.2
1038854	Soil	26	43	0.82	241	0.133	<1	2.06	0.008	0.19	<0.1	0.03	4.8	0.2	<0.05	7	<0.5	<0.2



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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
1004392	Soil	1.8	30.6	11.2	58	0.2	24.6	9.0	300	2.71	31.1	0.7	8.4	1.5	18	0.2	0.9	0.2	66	0.14	0.055
1004391	Soil	2.3	32.1	12.7	63	0.3	28.1	9.9	315	3.03	31.7	0.8	9.1	1.8	18	0.2	1.1	0.2	72	0.14	0.056
1004393	Soil	2.8	35.3	9.8	52	0.4	19.5	6.0	152	2.32	16.7	0.8	5.5	0.5	19	0.1	1.1	0.3	80	0.16	0.062
1004394	Soil	1.7	43.6	10.4	76	1.1	40.2	13.7	720	2.95	58.0	0.9	12.7	0.8	39	0.3	1.3	0.2	56	1.04	0.110
1004398	Soil	0.9	35.9	7.4	62	0.3	30.5	12.7	446	2.84	12.6	0.7	5.2	1.2	30	0.1	0.8	0.1	73	0.54	0.064
1038868	Soil	6.3	162.0	19.8	480	4.0	115.4	23.4	696	4.41	78.0	5.7	13.9	2.6	53	3.3	10.4	0.3	123	0.36	0.214
1004388	Soil	1.3	32.7	20.3	98	0.2	33.2	10.3	519	3.00	237.7	0.6	66.3	3.4	11	0.2	2.9	0.1	48	0.14	0.043
1004387	Soil	1.8	36.2	11.5	64	<0.1	31.2	10.7	281	3.61	18.5	0.7	4.1	2.1	15	0.1	0.8	0.2	82	0.17	0.042
1004390	Soil	2.1	44.8	12.9	82	0.3	49.6	14.7	438	3.43	49.3	0.9	16.3	3.4	19	0.3	1.1	0.2	83	0.19	0.061
1004389	Soil	0.8	39.0	7.8	81	0.1	81.6	19.0	390	2.86	14.3	0.7	2.9	3.4	15	0.2	0.5	0.1	68	0.20	0.042
1038863	Soil	4.8	69.7	10.2	475	0.9	103.0	13.8	342	2.40	42.7	2.2	4.9	2.8	46	3.0	10.7	0.1	91	0.64	0.169
1038866	Soil	1.2	151.4	16.3	176	3.9	54.1	11.0	239	2.51	20.0	7.3	10.9	2.2	36	1.2	3.3	0.2	69	0.45	0.211
1038864	Soil	3.4	86.1	31.7	312	3.4	77.3	20.9	1767	2.36	23.3	3.4	3.8	1.5	49	1.3	3.2	0.2	90	0.68	0.223
1038865	Soil	2.6	61.7	20.2	234	2.3	70.9	14.0	387	2.88	29.3	1.7	7.1	3.0	39	1.6	3.2	0.2	90	0.57	0.190
1038867	Soil	6.6	92.1	20.6	351	2.3	149.9	19.6	515	3.19	50.1	1.9	9.0	4.0	58	2.2	12.4	0.2	103	0.43	0.179
1086450	Soil	2.4	39.6	14.1	100	0.2	27.8	10.7	380	3.59	23.5	0.6	3.8	2.9	25	0.6	0.7	0.3	92	0.28	0.041
1086441	Soil	1.0	122.8	8.4	97	0.3	62.0	28.3	368	6.03	15.3	0.5	1.2	1.7	38	0.2	0.3	0.8	164	0.50	0.152
1086440	Soil	2.3	78.3	15.8	92	0.4	61.4	25.1	677	4.20	28.1	0.9	4.9	4.3	25	0.3	0.5	0.5	86	0.28	0.057
1086443	Soil	0.5	55.9	8.5	111	<0.1	180.1	29.6	418	5.10	13.3	0.9	2.6	6.1	46	0.1	0.2	0.2	102	0.38	0.058
1086439	Soil	1.7	29.5	9.6	76	<0.1	13.7	8.8	253	2.71	9.0	0.4	1.2	1.6	17	0.3	0.4	0.3	73	0.17	0.042
1081018	Soil	1.4	57.2	17.4	119	0.4	53.2	21.1	333	3.66	47.4	1.1	5.3	4.6	20	0.6	0.6	0.3	73	0.18	0.061
1081016	Soil	1.5	36.5	22.7	95	0.7	34.5	11.7	294	3.15	68.9	0.8	7.2	3.9	17	0.6	0.8	0.2	68	0.15	0.063
1081020	Soil	1.4	42.2	16.5	109	0.7	34.6	16.3	274	3.34	71.5	0.9	5.8	3.5	28	0.7	1.1	0.3	62	0.20	0.058
1081014	Soil	1.4	39.5	34.5	119	3.2	44.9	16.1	346	3.83	63.5	0.8	8.1	3.7	25	1.1	0.9	0.2	76	0.24	0.073
1086442	Soil	1.2	50.2	7.2	113	<0.1	128.8	32.5	475	5.58	7.4	1.2	0.6	7.2	30	0.1	0.2	0.2	99	0.39	0.025
1081015	Soil	1.4	37.5	23.7	93	0.7	34.9	12.3	295	3.33	73.5	0.8	6.9	3.9	17	0.6	0.8	0.2	69	0.16	0.063
1081017	Soil	1.6	60.4	17.2	123	0.3	59.0	23.0	357	3.85	53.3	1.2	5.8	4.9	19	0.6	0.6	0.3	75	0.17	0.061
1081013	Soil	2.4	56.0	79.6	130	3.2	40.9	11.3	252	4.74	201.2	1.0	25.0	4.4	33	0.7	1.9	0.3	74	0.14	0.084
1081021	Soil	1.1	34.7	13.4	95	1.5	45.2	17.0	372	3.18	30.8	0.7	3.4	3.6	23	0.8	0.6	0.2	71	0.29	0.050
1081019	Soil	1.7	63.7	18.6	139	0.2	50.4	20.4	294	3.94	35.1	1.1	2.9	3.7	16	0.4	0.7	0.3	78	0.16	0.072



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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	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1004392	Soil	10	29	0.34	124	0.068	<1	1.29	0.009	0.08	0.1	0.04	2.0	<0.1	0.07	5	0.6
1004391	Soil	11	34	0.39	123	0.065	<1	1.57	0.009	0.08	0.1	0.04	2.3	0.1	0.06	6	<0.5
1004393	Soil	8	24	0.22	125	0.058	<1	0.91	0.007	0.07	0.1	0.06	1.5	<0.1	0.05	6	0.6
1004394	Soil	10	37	0.55	200	0.050	3	1.38	0.016	0.11	0.1	0.08	2.6	0.1	0.12	5	<0.5
1004398	Soil	9	40	0.50	109	0.091	<1	1.09	0.021	0.07	0.1	0.04	2.9	<0.1	0.08	5	0.6
1038868	Soil	16	55	0.62	299	0.055	1	2.97	0.010	0.12	0.5	0.13	5.7	0.2	<0.05	7	1.7
1004388	Soil	15	36	0.40	84	0.052	<1	1.04	0.005	0.13	0.1	0.01	2.3	0.1	<0.05	4	<0.5
1004387	Soil	11	42	0.62	97	0.120	<1	1.75	0.009	0.11	0.1	0.03	2.7	0.1	<0.05	8	<0.5
1004390	Soil	14	52	0.64	219	0.128	<1	1.58	0.009	0.25	0.1	0.03	2.9	0.2	<0.05	7	<0.5
1004389	Soil	10	95	0.98	134	0.138	<1	2.08	0.012	0.24	0.1	0.03	3.2	0.2	<0.05	6	<0.5
1038863	Soil	13	25	0.38	163	0.067	<1	1.12	0.018	0.07	0.5	0.03	2.8	<0.1	<0.05	4	1.8
1038866	Soil	16	44	0.63	250	0.069	<1	2.50	0.015	0.08	0.2	0.14	5.0	0.2	<0.05	6	2.0
1038864	Soil	13	30	0.48	189	0.038	2	1.65	0.017	0.04	0.2	0.09	2.5	0.1	<0.05	5	1.5
1038865	Soil	12	35	0.56	171	0.081	<1	1.85	0.014	0.07	0.2	0.04	2.9	<0.1	<0.05	6	1.1
1038867	Soil	16	123	0.83	138	0.085	1	1.64	0.009	0.08	0.3	0.04	4.0	0.1	<0.05	5	1.7
1086450	Soil	10	40	0.55	220	0.119	<1	1.63	0.015	0.08	0.5	0.01	2.6	<0.1	<0.05	8	<0.5
1086441	Soil	8	42	2.31	246	0.292	<1	4.27	0.021	0.44	0.6	0.01	5.9	0.4	0.08	14	0.6
1086440	Soil	12	65	1.12	131	0.126	1	2.72	0.019	0.08	1.4	0.02	4.2	0.1	<0.05	8	<0.5
1086443	Soil	14	267	2.38	258	0.265	<1	4.48	0.022	0.71	0.3	0.01	7.2	0.4	<0.05	14	<0.5
1086439	Soil	7	23	0.34	118	0.098	<1	1.24	0.018	0.06	1.5	0.01	1.8	<0.1	<0.05	7	<0.5
1081018	Soil	12	47	0.75	271	0.098	1	2.54	0.010	0.28	0.1	0.02	3.8	0.3	<0.05	6	0.5
1081016	Soil	10	41	0.59	147	0.096	<1	2.10	0.009	0.19	0.1	0.02	2.8	0.2	<0.05	6	0.5
1081020	Soil	9	39	0.46	157	0.091	<1	2.80	0.013	0.08	0.2	0.04	3.1	<0.1	<0.05	5	0.7
1081014	Soil	11	43	0.63	187	0.105	1	2.40	0.012	0.14	0.2	0.04	3.5	0.1	<0.05	7	0.5
1086442	Soil	17	190	2.00	145	0.323	<1	3.91	0.031	0.23	1.1	<0.01	6.0	0.3	<0.05	13	<0.5
1081015	Soil	10	40	0.63	154	0.099	<1	2.21	0.012	0.19	0.2	0.03	2.9	0.2	<0.05	6	<0.5
1081017	Soil	12	48	0.74	281	0.095	<1	2.42	0.010	0.30	0.1	0.01	4.0	0.2	<0.05	6	<0.5
1081013	Soil	14	54	0.66	176	0.039	1	2.30	0.012	0.20	0.1	0.03	3.3	0.1	0.13	7	0.6
1081021	Soil	10	41	0.67	219	0.100	<1	2.38	0.016	0.11	0.2	0.02	3.5	<0.1	<0.05	6	<0.5
1081019	Soil	10	46	0.64	255	0.115	1	2.26	0.009	0.44	0.1	0.01	3.2	0.3	<0.05	6	<0.5



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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	2	0.01	0.001
1086395	Soil	2.5	32.5	13.5	117	0.2	39.9	21.0	517	3.79	16.5	0.7	5.4	3.0	28	0.7	0.9	0.2	99	0.42	0.041
1086396	Soil	1.5	43.5	14.2	85	<0.1	38.0	14.9	337	4.71	65.2	1.4	1.4	6.6	12	<0.1	4.1	0.3	59	0.17	0.027
1086390	Soil	1.1	36.2	15.4	90	0.3	33.3	12.4	368	3.08	64.7	1.1	15.0	3.4	23	0.3	1.1	0.2	65	0.24	0.068
1086392	Soil	1.2	34.3	16.1	108	0.2	36.8	12.3	476	3.00	61.9	1.1	11.1	4.4	30	0.4	1.6	0.2	60	0.47	0.059
1086394	Soil	1.5	38.3	10.4	132	0.1	41.8	14.1	522	2.79	20.8	0.7	1.5	2.6	29	1.2	1.3	0.2	62	0.48	0.055
1086385	Soil	1.9	35.5	16.1	63	0.4	27.9	11.8	312	3.90	37.7	0.7	7.9	3.4	19	0.3	1.0	0.3	85	0.18	0.046
1086386	Soil	1.8	42.3	14.2	79	0.2	31.0	10.9	303	3.53	55.5	0.9	14.2	0.9	23	0.2	1.0	0.3	78	0.21	0.081
1086389	Soil	1.6	33.4	16.6	76	0.3	22.8	8.5	236	3.32	67.8	0.7	10.7	1.8	29	<0.1	1.2	0.2	70	0.18	0.063
1086391	Soil	2.6	40.0	18.7	103	1.9	37.1	13.0	425	3.88	109.8	0.7	11.7	3.1	22	0.7	1.9	0.3	83	0.19	0.047
1086393	Soil	0.9	53.3	11.1	72	0.3	54.8	18.6	445	3.19	26.6	1.0	7.5	2.9	41	0.2	1.1	0.2	72	0.88	0.078
1004397	Soil	2.0	57.8	12.3	92	0.9	75.3	18.1	650	3.75	32.5	1.0	7.6	2.0	24	0.2	1.6	0.2	89	0.38	0.090
1004400	Soil	1.5	54.0	16.0	101	0.3	74.9	23.5	1345	4.20	48.7	1.3	9.8	4.1	45	0.3	1.4	0.3	84	0.67	0.114
1004395	Soil	1.4	45.5	11.4	84	0.2	53.0	17.9	415	3.61	25.3	0.8	4.4	1.8	15	0.2	0.9	0.2	82	0.18	0.043
1086388	Soil	2.3	41.5	17.4	95	0.5	30.6	11.9	410	4.33	140.8	0.8	33.1	3.3	31	0.2	1.5	0.3	77	0.18	0.068
1086387	Soil	1.7	43.2	19.7	74	0.9	21.3	7.0	202	3.87	206.3	1.0	70.0	3.0	33	0.1	1.8	0.3	63	0.13	0.067
1082390	Soil	1.9	34.8	26.7	114	0.1	35.5	15.2	777	3.31	27.4	0.9	3.4	2.5	14	0.5	1.7	0.3	65	0.16	0.063
1082397	Soil	5.3	9.7	70.8	73	0.4	9.4	5.7	233	3.40	169.3	1.0	15.5	7.6	153	0.2	4.2	0.2	12	0.03	0.053
1082391	Soil	19.4	87.3	25.6	812	0.3	125.9	14.0	635	3.58	121.4	2.0	3.4	2.1	20	2.5	17.3	0.2	146	0.22	0.106
1082392	Soil	2.7	43.8	28.3	117	0.3	48.5	14.7	792	4.92	31.9	1.4	2.4	4.5	13	0.5	3.1	0.3	80	0.13	0.061
1082393	Soil	2.4	46.1	26.8	123	0.6	44.6	15.0	764	3.26	48.6	1.5	5.3	4.9	17	0.5	4.2	0.2	47	0.15	0.054
1086446	Soil	1.3	55.0	11.2	87	1.8	52.2	19.1	357	3.68	16.3	1.0	6.3	4.3	29	0.5	0.6	0.2	87	0.29	0.040
1082386	Soil	1.7	32.4	52.9	98	<0.1	31.9	12.4	1096	3.00	23.1	0.9	8.6	5.8	13	0.5	1.6	0.2	65	0.14	0.031
1082387	Soil	1.4	27.2	33.2	87	0.1	29.8	10.9	707	2.87	14.2	0.7	3.3	4.3	14	0.3	1.0	0.2	66	0.17	0.030
1082388	Soil	2.3	27.8	40.0	139	0.3	33.9	10.5	926	2.59	26.6	1.0	5.5	5.3	20	0.8	2.0	0.2	63	0.26	0.065
1082389	Soil	4.9	82.1	11.2	141	0.6	72.5	24.0	1015	5.41	108.6	2.5	9.3	2.2	36	0.6	6.5	0.2	75	0.35	0.085
1086444	Soil	3.7	56.5	11.4	184	0.2	71.7	23.0	400	4.92	9.6	1.5	1.2	5.1	39	0.5	0.3	0.3	157	0.36	0.077
1086448	Soil	1.2	49.9	10.6	88	0.7	79.0	20.7	399	3.82	17.8	1.0	3.4	5.4	26	0.3	0.4	0.3	81	0.34	0.045
1086449	Soil	0.7	88.7	10.8	61	0.2	33.9	15.2	427	2.87	12.2	0.7	2.6	3.0	34	0.2	0.3	0.2	71	1.17	0.038
1086445	Soil	1.7	39.4	11.1	75	0.9	38.2	16.8	270	4.28	13.8	1.1	3.4	5.5	31	0.4	0.6	0.4	88	0.21	0.052
1086447	Soil	3.4	40.0	10.2	97	0.3	29.3	11.3	459	3.03	11.2	0.6	1.9	2.4	24	1.2	0.5	0.2	80	0.24	0.054



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		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
1086395	Soil	11	59	0.88	241	0.108	<1	2.18	0.020	0.12	0.1	<0.01	3.4	0.1	<0.05	9	<0.5	<0.2
1086396	Soil	18	42	1.07	101	0.099	<1	2.39	0.009	0.57	<0.1	<0.01	3.6	0.3	<0.05	8	<0.5	<0.2
1086390	Soil	12	35	0.57	194	0.090	<1	1.72	0.011	0.14	0.1	0.01	3.2	0.1	<0.05	5	0.5	<0.2
1086392	Soil	14	42	0.77	405	0.110	<1	1.74	0.018	0.14	0.2	0.02	4.3	0.1	<0.05	5	0.5	<0.2
1086394	Soil	11	35	0.86	236	0.084	1	1.68	0.020	0.11	0.1	<0.01	2.9	<0.1	<0.05	5	0.5	<0.2
1086385	Soil	10	38	0.53	151	0.114	2	2.10	0.011	0.10	0.2	0.02	2.8	<0.1	<0.05	8	<0.5	<0.2
1086386	Soil	10	36	0.50	142	0.066	2	1.62	0.010	0.14	0.1	0.03	1.9	0.1	0.20	6	0.6	<0.2
1086389	Soil	10	26	0.39	151	0.071	1	1.13	0.011	0.14	0.1	0.02	1.7	<0.1	0.21	5	<0.5	<0.2
1086391	Soil	12	34	0.47	240	0.094	<1	1.69	0.011	0.11	0.2	0.04	2.3	<0.1	0.11	7	<0.5	<0.2
1086393	Soil	13	60	0.83	319	0.098	<1	1.71	0.020	0.11	0.2	0.03	4.4	0.1	0.14	5	<0.5	<0.2
1004397	Soil	12	82	0.87	216	0.101	2	1.92	0.011	0.18	0.1	0.07	3.8	0.2	0.13	6	<0.5	<0.2
1004400	Soil	17	85	0.93	172	0.138	2	1.88	0.027	0.17	0.2	0.03	5.6	0.2	0.14	6	0.8	<0.2
1004395	Soil	10	54	0.66	122	0.112	3	2.26	0.011	0.15	0.1	0.05	3.0	0.1	0.10	6	<0.5	<0.2
1086388	Soil	12	38	0.54	166	0.090	1	1.59	0.012	0.19	0.1	0.01	2.6	0.1	0.26	6	1.0	<0.2
1086387	Soil	13	26	0.37	207	0.063	<1	1.06	0.011	0.25	<0.1	0.02	1.7	0.2	0.39	5	<0.5	<0.2
1082390	Soil	14	35	0.52	376	0.078	2	2.40	0.011	0.07	0.2	0.05	2.5	<0.1	0.08	6	0.7	<0.2
1082397	Soil	15	7	0.12	279	0.005	1	0.84	0.033	0.39	<0.1	0.02	0.6	0.2	0.77	2	1.4	<0.2
1082391	Soil	15	45	0.46	1515	0.060	2	2.34	0.011	0.05	0.5	0.10	3.5	<0.1	0.09	4	3.8	<0.2
1082392	Soil	15	38	0.46	375	0.080	3	2.31	0.009	0.06	0.2	0.06	3.7	0.1	<0.05	6	1.0	<0.2
1082393	Soil	16	28	0.44	485	0.039	2	1.93	0.008	0.09	<0.1	0.04	2.9	0.1	<0.05	4	0.7	<0.2
1086446	Soil	9	55	0.77	170	0.142	1	3.50	0.015	0.10	0.3	0.05	4.1	0.1	<0.05	8	<0.5	<0.2
1082386	Soil	26	37	0.57	233	0.073	2	2.74	0.011	0.08	0.1	0.03	3.4	0.1	<0.05	6	0.5	<0.2
1082387	Soil	26	36	0.54	138	0.079	2	2.40	0.011	0.05	0.2	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
1082388	Soil	22	28	0.51	251	0.080	1	1.72	0.013	0.06	0.2	0.03	2.4	<0.1	<0.05	4	0.8	<0.2
1082389	Soil	21	29	0.35	1560	0.012	2	1.17	0.009	0.08	0.2	0.05	11.7	0.2	0.08	3	2.0	<0.2
1086444	Soil	13	78	0.96	204	0.192	1	4.07	0.028	0.18	0.3	0.02	4.7	0.2	<0.05	12	0.9	<0.2
1086448	Soil	12	87	1.02	128	0.197	2	3.77	0.035	0.19	0.6	0.04	5.4	0.2	<0.05	8	<0.5	<0.2
1086449	Soil	12	38	1.13	146	0.092	2	2.02	0.026	0.05	0.9	0.03	4.1	<0.1	0.06	5	<0.5	<0.2
1086445	Soil	13	44	0.65	130	0.127	2	3.23	0.030	0.09	0.2	0.03	4.1	0.1	0.10	7	0.7	<0.2
1086447	Soil	8	36	0.51	168	0.121	1	1.81	0.015	0.10	0.2	0.02	2.4	<0.1	<0.05	7	<0.5	<0.2



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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 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
1038537	Soil	2.1	28.5	12.2	66	0.2	30.4	10.9	264	3.68	16.2	0.8	3.0	3.9	16	0.3	1.1	0.2	76	0.13	0.039
1085097	Soil	8.7	42.6	16.8	213	0.4	49.4	11.2	1015	3.37	33.3	1.9	2.3	0.3	19	3.6	3.7	0.3	202	0.14	0.078
1085099	Soil	2.5	34.0	8.0	141	0.3	44.8	8.1	420	2.66	20.3	0.9	4.1	1.6	12	0.7	1.4	0.1	80	0.12	0.035
1085100	Soil	6.0	142.2	8.2	409	1.0	129.5	16.2	2601	2.52	71.9	3.0	5.7	2.2	23	4.0	8.3	0.2	143	0.45	0.211
1038538	Soil	1.0	26.3	8.8	63	<0.1	34.7	14.5	239	2.92	11.3	0.6	2.1	3.0	16	0.5	0.6	0.2	60	0.14	0.029
1038539	Soil	0.8	30.7	7.9	67	0.1	30.8	10.1	297	2.58	16.9	1.0	7.0	4.2	23	0.2	1.0	0.1	64	0.30	0.061
1038533	Soil	3.2	53.6	8.8	1026	0.4	199.7	24.7	763	3.59	118.5	2.4	8.1	6.7	13	4.0	7.5	0.3	98	0.24	0.101
1085098	Soil	2.3	35.1	7.7	142	0.3	46.6	8.9	428	2.65	21.8	0.9	2.8	1.7	11	0.9	1.4	0.1	81	0.11	0.033
1038534	Soil	3.0	51.9	8.6	982	0.4	194.4	24.2	762	3.55	113.9	2.4	14.7	6.6	13	4.1	7.6	0.3	95	0.23	0.102
1038535	Soil	1.3	46.8	13.1	353	0.4	90.9	16.6	586	3.43	36.5	1.8	9.4	6.7	18	1.4	3.1	0.2	63	0.34	0.084
1086400	Soil	1.4	28.0	11.4	73	<0.1	37.3	15.0	286	3.38	16.2	0.7	0.9	4.1	21	0.1	0.7	0.3	72	0.25	0.034
1086399	Soil	1.2	83.6	5.8	75	0.2	70.0	26.7	477	3.53	12.8	1.6	3.0	1.6	210	0.2	0.4	0.2	49	4.80	0.174
1086398	Soil	1.2	34.6	9.7	72	<0.1	38.6	15.2	277	3.51	15.3	0.8	0.9	6.0	24	0.1	0.7	0.3	77	0.30	0.031
1086397	Soil	0.8	47.2	9.0	73	0.1	42.4	16.5	312	3.58	17.8	0.9	4.0	5.1	75	0.1	1.0	0.2	72	1.94	0.054
1038536	Soil	2.5	27.6	11.9	91	0.2	29.5	10.4	390	3.62	19.3	0.8	2.8	3.4	13	0.3	1.1	0.3	84	0.13	0.043



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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
		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
1038537	Soil	13	34	0.52	117	0.119	2	1.80	0.010	0.08	0.1	0.03	2.2	<0.1	0.07	7	0.6	<0.2
1085097	Soil	10	31	0.29	178	0.060	<1	1.08	0.007	0.06	0.3	0.04	1.2	<0.1	0.12	7	0.9	<0.2
1085099	Soil	7	30	0.60	125	0.091	1	1.49	0.005	0.05	0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
1085100	Soil	11	21	0.43	>10000	0.039	<1	1.43	0.004	0.07	0.8	0.06	2.6	<0.1	0.06	3	<0.5	<0.2
1038538	Soil	10	36	0.51	127	0.106	2	1.92	0.013	0.06	0.1	0.03	2.0	<0.1	0.05	5	<0.5	<0.2
1038539	Soil	16	42	0.57	221	0.127	<1	1.66	0.011	0.07	<0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
1038533	Soil	25	25	0.82	336	0.049	<1	1.43	0.005	0.07	0.2	0.02	2.3	<0.1	<0.05	4	0.8	<0.2
1085098	Soil	7	31	0.58	123	0.086	<1	1.44	0.005	0.05	0.2	0.03	2.1	<0.1	0.05	6	0.7	<0.2
1038534	Soil	25	24	0.79	320	0.047	1	1.40	0.005	0.07	0.2	0.02	2.3	<0.1	<0.05	4	0.5	<0.2
1038535	Soil	29	40	1.44	508	0.080	2	2.00	0.007	0.09	0.2	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
1086400	Soil	10	46	0.73	141	0.135	1	2.00	0.011	0.22	0.2	<0.01	3.0	0.1	<0.05	7	<0.5	<0.2
1086399	Soil	13	44	0.82	179	0.103	1	1.36	0.025	0.18	0.3	0.07	2.8	0.1	0.21	5	<0.5	<0.2
1086398	Soil	11	54	0.80	122	0.168	2	2.37	0.014	0.35	0.1	0.01	4.6	0.2	0.06	7	<0.5	<0.2
1086397	Soil	28	54	0.93	161	0.179	2	2.03	0.023	0.52	0.2	0.04	5.5	0.2	0.11	7	<0.5	<0.2
1038536	Soil	12	35	0.50	97	0.114	2	1.62	0.008	0.10	0.1	0.03	2.3	0.1	0.07	8	<0.5	<0.2



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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	%
Pulp Duplicates		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
1085455	Soil	2.0	35.1	19.9	82	1.9	21.6	6.6	229	2.57	143.1	0.8	18.2	2.3	32	0.2	1.4	0.2	48	0.12
REP 1085455	QC	1.9	34.4	19.7	83	1.8	21.9	6.6	230	2.60	144.5	0.8	17.8	2.3	32	0.2	1.6	0.2	49	0.12
1085485	Soil	2.0	25.8	6.8	74	0.2	24.0	13.2	486	2.36	9.6	0.8	1.5	1.2	27	0.2	0.2	0.1	74	0.36
REP 1085485	QC	2.1	26.4	7.2	75	0.3	24.1	12.9	523	2.37	10.2	0.9	2.8	1.3	28	0.3	0.2	0.1	77	0.38
1085300	Soil	1.7	37.4	9.5	85	0.2	34.8	15.0	495	3.35	44.8	1.0	3.8	3.4	16	0.4	0.7	0.2	70	0.21
REP 1085300	QC	1.7	37.4	9.7	85	0.3	36.6	15.3	512	3.42	45.1	1.0	3.0	3.5	16	0.3	0.7	0.2	73	0.21
1082438	Soil	0.8	45.6	8.0	67	0.3	30.6	10.4	338	2.03	28.9	1.1	5.2	1.0	43	0.3	0.5	0.1	46	1.48
REP 1082438	QC	0.9	46.9	8.3	70	0.3	30.4	10.2	346	2.02	28.2	1.1	3.7	0.9	44	0.3	0.5	0.1	45	1.51
1081496	Soil	1.3	43.9	13.5	96	0.2	55.2	19.1	480	4.12	63.7	0.9	1.5	4.6	27	0.3	1.3	0.3	72	0.43
REP 1081496	QC	1.3	41.4	13.5	90	0.2	54.6	18.6	460	4.14	61.5	1.0	1.7	4.4	26	0.2	1.3	0.3	71	0.42
1085178	Soil	0.8	26.2	8.3	56	0.4	21.5	9.0	277	2.01	12.5	0.4	1.4	2.3	17	0.4	0.5	0.3	45	0.16
REP 1085178	QC	0.9	26.9	8.4	58	0.4	21.6	9.3	298	2.06	12.9	0.4	14.8	2.4	17	0.4	0.5	0.3	49	0.17
1081490	Soil	1.0	58.9	6.0	35	1.7	17.5	6.3	289	1.74	10.7	4.7	7.2	1.2	58	0.2	0.5	0.1	40	1.13
REP 1081490	QC	0.9	59.4	5.6	35	1.6	17.8	6.5	282	1.71	10.5	4.3	6.7	1.1	56	0.2	0.4	<0.1	36	1.07
1085159	Soil	1.5	23.2	9.4	67	0.2	23.4	7.4	279	2.63	15.6	0.7	1.5	2.1	14	0.4	1.7	0.2	56	0.15
REP 1085159	QC	1.5	25.2	10.0	72	0.2	24.2	7.8	296	2.67	15.7	0.7	3.6	2.2	15	0.4	1.6	0.2	59	0.16
1081005	Soil	1.1	46.8	19.4	101	<0.1	96.6	23.9	431	3.90	40.8	0.6	5.3	2.9	34	0.3	0.3	0.2	85	0.46
REP 1081005	QC	1.1	44.0	18.6	98	0.1	89.3	22.4	389	3.66	37.8	0.6	2.1	2.8	32	0.3	0.3	0.2	82	0.47
1082467	Soil	0.5	23.0	12.0	73	0.3	27.8	8.9	650	2.01	29.5	0.9	11.9	4.1	48	0.2	0.3	0.1	38	0.75
REP 1082467	QC	0.5	21.3	11.1	70	0.3	26.8	8.4	622	1.91	27.7	0.9	20.5	4.1	44	0.2	0.3	0.1	35	0.71
1004391	Soil	2.3	32.1	12.7	63	0.3	28.1	9.9	315	3.03	31.7	0.8	9.1	1.8	18	0.2	1.1	0.2	72	0.14
REP 1004391	QC	2.1	30.9	12.7	62	0.3	25.7	9.8	301	2.88	32.0	0.8	7.8	1.7	17	0.2	1.2	0.2	67	0.13
1086385	Soil	1.9	35.5	16.1	63	0.4	27.9	11.8	312	3.90	37.7	0.7	7.9	3.4	19	0.3	1.0	0.3	85	0.18
REP 1086385	QC	2.0	34.7	14.3	66	0.4	27.9	11.7	315	3.81	37.7	0.7	7.0	3.2	19	0.3	0.9	0.2	80	0.18
1086387	Soil	1.7	43.2	19.7	74	0.9	21.3	7.0	202	3.87	206.3	1.0	70.0	3.0	33	0.1	1.8	0.3	63	0.13
REP 1086387	QC	1.8	44.2	20.0	75	1.0	22.5	7.3	205	3.92	205.8	1.0	64.4	3.0	33	0.2	1.8	0.3	64	0.13
1086448	Soil	1.2	49.9	10.6	88	0.7	79.0	20.7	399	3.82	17.8	1.0	3.4	5.4	26	0.3	0.4	0.3	81	0.34
REP 1086448	QC	1.2	50.3	10.4	85	0.7	75.6	19.1	385	3.69	17.6	1.0	4.8	5.2	26	0.3	0.3	0.3	80	0.33



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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
		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																		
1085455	Soil	11	18	0.21	160	0.041	<1	0.92	0.007	0.07	0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
REP 1085455	QC	12	18	0.20	175	0.044	<1	0.91	0.007	0.07	0.1	0.04	1.5	0.1	<0.05	4	<0.5	<0.2
1085485	Soil	8	41	0.56	131	0.104	1	1.03	0.024	0.17	0.2	0.03	2.1	0.1	<0.05	6	<0.5	<0.2
REP 1085485	QC	9	42	0.59	139	0.106	<1	1.07	0.024	0.18	0.2	0.02	2.1	0.1	0.05	6	0.7	<0.2
1085300	Soil	9	39	0.59	156	0.105	2	2.22	0.012	0.15	0.2	0.03	2.9	0.1	<0.05	6	0.6	<0.2
REP 1085300	QC	9	41	0.60	160	0.105	3	2.24	0.013	0.15	0.1	0.03	3.0	0.1	<0.05	6	0.7	<0.2
1082438	Soil	8	30	0.49	191	0.055	2	1.17	0.027	0.15	<0.1	0.05	2.2	<0.1	0.11	4	0.6	<0.2
REP 1082438	QC	8	30	0.47	196	0.053	2	1.17	0.025	0.14	<0.1	0.03	2.2	0.1	0.10	4	0.9	<0.2
1081496	Soil	14	61	0.98	182	0.097	1	2.58	0.013	0.18	0.2	<0.01	3.9	0.1	<0.05	8	<0.5	<0.2
REP 1081496	QC	13	58	0.98	178	0.090	<1	2.47	0.012	0.17	0.1	0.01	3.7	0.1	<0.05	8	<0.5	<0.2
1085178	Soil	6	24	0.38	174	0.067	<1	1.53	0.015	0.10	0.2	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
REP 1085178	QC	6	25	0.40	175	0.070	<1	1.64	0.016	0.11	0.2	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
1081490	Soil	73	30	0.39	116	0.025	2	1.93	0.015	0.07	<0.1	0.16	3.0	<0.1	0.27	4	2.4	<0.2
REP 1081490	QC	68	29	0.37	108	0.024	1	1.92	0.014	0.06	<0.1	0.16	2.9	<0.1	0.27	4	2.0	<0.2
1085159	Soil	9	25	0.43	140	0.068	<1	1.38	0.009	0.16	0.2	0.02	2.0	0.1	<0.05	6	<0.5	<0.2
REP 1085159	QC	9	25	0.42	140	0.074	1	1.31	0.008	0.17	0.2	0.01	2.2	0.1	0.06	6	<0.5	<0.2
1081005	Soil	9	140	1.32	157	0.148	3	2.61	0.017	0.32	0.3	0.02	4.5	0.3	<0.05	8	0.5	<0.2
REP 1081005	QC	8	128	1.24	150	0.149	3	2.54	0.017	0.29	0.3	<0.01	4.7	0.3	<0.05	8	0.6	<0.2
1082467	Soil	14	45	0.66	138	0.073	2	1.28	0.020	0.16	0.7	0.02	2.8	0.2	0.07	5	0.8	<0.2
REP 1082467	QC	14	41	0.65	133	0.068	2	1.22	0.019	0.14	0.7	<0.01	2.6	0.1	0.09	4	0.7	<0.2
1004391	Soil	11	34	0.39	123	0.065	<1	1.57	0.009	0.08	0.1	0.04	2.3	0.1	0.06	6	<0.5	<0.2
REP 1004391	QC	10	31	0.38	119	0.062	1	1.54	0.009	0.08	0.1	0.05	2.3	0.1	<0.05	6	0.5	<0.2
1086385	Soil	10	38	0.53	151	0.114	2	2.10	0.011	0.10	0.2	0.02	2.8	<0.1	<0.05	8	<0.5	<0.2
REP 1086385	QC	10	37	0.54	145	0.108	1	2.08	0.011	0.10	0.1	0.02	2.8	0.1	<0.05	8	<0.5	<0.2
1086387	Soil	13	26	0.37	207	0.063	<1	1.06	0.011	0.25	<0.1	0.02	1.7	0.2	0.39	5	<0.5	<0.2
REP 1086387	QC	13	26	0.38	204	0.065	1	1.06	0.012	0.26	0.1	0.02	1.7	0.1	0.40	5	0.7	<0.2
1086448	Soil	12	87	1.02	128	0.197	2	3.77	0.035	0.19	0.6	0.04	5.4	0.2	<0.05	8	<0.5	<0.2
REP 1086448	QC	12	84	1.00	128	0.191	1	3.83	0.032	0.19	0.6	0.03	5.1	0.2	<0.05	8	<0.5	<0.2



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Vancouver BC V6C 1H2 Canada

Project:

PLU

Report Date:

August 08, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11000713.1

		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
1086397	Soil	0.8	47.2	9.0	73	0.1	42.4	16.5	312	3.58	17.8	0.9	4.0	5.1	75	0.1	1.0	0.2	72	1.94	0.054
REP 1086397	QC	0.9	46.7	8.7	73	0.1	42.8	16.8	318	3.61	17.0	0.8	4.1	5.0	73	<0.1	1.0	0.2	72	1.95	0.054
Reference Materials																					
STD DS8	Standard	13.5	109.4	125.0	318	1.8	37.6	7.9	636	2.50	26.3	2.8	106.5	6.9	56	2.5	4.6	5.2	44	0.71	0.080
STD DS8	Standard	12.0	114.0	124.5	314	1.8	38.1	7.3	564	2.30	26.1	2.7	111.3	6.4	62	2.7	5.6	6.6	42	0.64	0.085
STD DS8	Standard	13.3	116.0	119.3	309	1.8	39.9	7.8	609	2.47	26.1	2.7	103.4	6.6	66	2.2	6.0	6.4	42	0.67	0.078
STD DS8	Standard	12.7	107.8	125.1	304	1.7	35.4	7.2	592	2.37	27.3	2.7	107.4	6.7	66	2.2	5.4	6.5	39	0.66	0.080
STD DS8	Standard	14.2	114.0	126.6	313	1.8	39.9	7.9	618	2.50	26.9	2.7	115.0	7.1	70	2.3	5.6	6.4	44	0.70	0.077
STD DS8	Standard	13.2	113.1	133.0	316	1.9	38.2	7.8	599	2.46	25.8	2.8	111.1	6.6	66	2.5	5.5	7.2	42	0.72	0.083
STD DS8	Standard	13.7	113.8	125.5	323	1.9	38.9	7.9	654	2.62	26.4	2.8	109.7	6.8	67	2.5	5.5	6.6	44	0.70	0.079
STD DS8	Standard	13.3	116.4	129.5	308	1.8	40.4	8.1	605	2.45	24.8	2.9	99.1	6.7	66	2.3	5.3	6.4	45	0.66	0.071
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	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	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

WHI11000713.1

		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
1086397	Soil	28	54	0.93	161	0.179	2	2.03	0.023	0.52	0.2	0.04	5.5	0.2	0.11	7	<0.5	<0.2
REP 1086397	QC	27	56	0.94	156	0.173	2	1.97	0.021	0.53	0.2	0.03	5.5	0.2	0.13	7	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	123	0.59	293	0.113	2	0.94	0.093	0.42	2.8	0.21	1.9	5.3	0.18	5	4.7	5.4
STD DS8	Standard	12	110	0.60	272	0.105	2	0.85	0.086	0.40	3.1	0.21	2.1	5.5	0.14	5	5.0	5.2
STD DS8	Standard	15	121	0.61	267	0.128	3	0.92	0.083	0.41	2.8	0.18	2.0	5.3	0.18	5	5.5	5.1
STD DS8	Standard	15	115	0.58	269	0.115	3	0.87	0.090	0.40	2.9	0.19	2.5	5.6	0.18	5	5.3	4.8
STD DS8	Standard	16	121	0.60	289	0.126	<1	0.94	0.095	0.44	2.9	0.20	2.5	5.2	0.13	5	5.9	5.1
STD DS8	Standard	14	121	0.63	285	0.117	2	0.93	0.085	0.42	3.1	0.23	2.0	5.6	0.13	4	4.8	5.0
STD DS8	Standard	15	124	0.62	286	0.116	2	0.93	0.086	0.42	3.0	0.22	2.1	5.4	0.14	5	5.3	5.0
STD DS8	Standard	14	122	0.59	256	0.131	3	0.87	0.083	0.39	2.8	0.19	1.9	5.1	0.19	4	5.2	4.7
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	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	<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



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Submitted By: Mike Skead

Receiving Lab: Canada-Whitehorse

Received: July 15, 2011

Report Date: August 06, 2011

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CERTIFICATE OF ANALYSIS

WHI11000714.1

CLIENT JOB INFORMATION

Project: PLU
Shipment ID:
P.O. Number
Number of Samples: 270

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	270	Dry at 60C			VAN
SS80	270	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	270	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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Part 1

CERTIFICATE OF ANALYSIS

WHI11000714.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1085096	Soil	3.8	34.6	15.6	105	0.3	28.7	12.1	921	2.78	28.6	1.3	4.6	0.2	21	0.5	2.7	0.2	143	0.19
1085095	Soil	3.8	35.8	18.6	89	0.6	26.9	11.8	989	3.24	24.0	1.2	1.8	0.2	18	0.3	2.8	0.3	116	0.15
1085094	Soil	4.2	37.4	11.2	99	0.1	28.9	8.2	327	3.47	18.9	1.5	2.0	0.3	14	0.5	2.7	0.3	116	0.10
1038547	Soil	0.5	82.9	7.0	82	<0.1	60.5	26.0	485	4.95	5.5	0.5	4.8	2.8	17	0.1	0.4	0.1	111	0.41
1038543	Soil	3.9	161.3	11.6	552	0.5	102.1	13.6	801	3.13	23.9	5.3	2.4	0.9	20	6.5	3.4	0.2	140	0.41
1085093	Soil	2.2	35.1	7.1	142	0.3	37.9	9.6	355	2.54	15.2	1.3	1.6	1.0	16	0.8	1.9	0.2	81	0.23
1085091	Soil	3.4	41.7	11.0	111	0.3	32.5	8.6	367	3.18	22.7	2.2	3.7	0.4	19	0.7	2.4	0.2	110	0.19
1085085	Soil	2.2	40.5	15.1	79	2.3	28.3	11.9	898	3.72	39.2	1.2	18.8	2.8	19	0.3	3.0	0.2	85	0.12
1085089	Soil	2.4	53.6	8.8	176	0.3	43.2	8.7	439	2.74	21.3	2.0	1.4	0.9	29	0.9	3.7	0.2	90	0.69
1085092	Soil	2.9	35.9	11.7	157	0.2	36.2	11.4	507	3.59	19.8	1.3	2.3	1.5	15	0.7	2.5	0.3	100	0.18
1038540	Soil	0.6	45.3	12.4	569	0.3	112.1	10.6	518	3.61	33.7	4.3	1.1	8.8	13	1.7	1.5	0.2	100	0.19
1085087	Soil	2.4	66.2	15.2	377	0.4	77.5	14.7	659	2.80	51.1	2.1	1.2	0.8	18	1.4	9.6	0.2	102	0.34
1085090	Soil	1.4	20.3	3.7	34	0.4	8.4	3.8	96	1.35	4.7	0.6	0.8	<0.1	16	0.3	0.7	0.1	45	0.14
1085086	Soil	2.2	32.0	8.4	132	0.2	32.6	8.7	412	2.81	16.6	1.2	2.2	0.6	17	0.8	1.8	0.2	87	0.14
1085088	Soil	3.0	37.9	15.8	109	0.3	29.3	9.1	911	1.64	10.5	1.4	<0.5	0.1	33	1.2	1.9	0.1	71	0.72
1082412	Soil	2.4	41.7	14.3	158	0.3	48.2	14.3	575	3.64	50.8	1.1	3.5	3.5	32	1.7	2.1	0.2	86	0.29
1082414	Soil	3.0	43.3	15.6	231	0.7	39.7	10.8	478	3.74	52.1	1.4	1.6	1.5	17	1.4	2.4	0.4	90	0.16
1082413	Soil	3.8	69.3	14.0	351	0.3	69.8	14.0	508	3.22	79.4	1.9	4.7	3.8	41	3.1	4.2	0.2	93	0.23
1082411	Soil	2.4	45.1	11.8	143	0.5	47.0	16.0	491	3.61	30.7	1.0	1.9	3.3	24	1.0	2.4	0.2	85	0.25
1038548	Soil	1.7	26.8	11.0	78	<0.1	28.2	9.3	282	3.39	7.4	1.0	2.0	4.1	17	0.1	0.8	0.2	75	0.21
1082417	Soil	3.4	70.8	9.9	228	0.6	100.5	18.8	484	4.64	16.1	1.3	1.1	2.6	30	1.7	1.3	0.2	158	0.30
1082418	Soil	2.1	67.8	16.3	125	0.3	57.4	17.6	957	4.04	36.7	1.8	5.5	4.9	13	0.9	3.0	0.2	89	0.14
1082420	Soil	2.6	27.9	16.6	99	0.2	26.2	12.3	475	4.07	18.7	0.8	3.2	2.1	15	0.4	1.3	0.3	87	0.15
1082415	Soil	3.7	58.8	11.6	189	0.4	69.4	20.8	1670	3.71	33.9	1.5	3.3	5.3	27	1.9	3.8	0.2	133	0.33
1082416	Soil	0.7	73.7	5.1	137	0.3	369.4	56.3	711	5.30	98.8	0.5	0.8	2.0	50	0.5	0.9	<0.1	111	0.37
1082394	Soil	2.6	56.9	40.7	128	0.4	47.1	18.8	1755	4.53	43.3	1.2	5.2	3.5	16	0.9	2.6	0.3	67	0.15
1082395	Soil	1.8	26.9	21.4	92	0.1	26.4	9.2	661	2.76	30.4	1.1	3.3	4.2	18	0.3	2.1	0.2	53	0.18
1082396	Soil	2.1	28.0	37.1	97	0.2	28.1	11.6	1293	3.54	106.7	1.0	4.6	4.0	18	0.5	2.2	0.3	57	0.16
1082410	Soil	2.7	27.1	15.8	155	0.2	29.4	9.6	561	3.67	486.3	0.9	13.0	3.1	17	1.0	2.2	0.3	69	0.14
1082419	Soil	2.0	50.3	11.2	89	0.1	40.7	15.6	797	3.51	30.8	1.2	5.6	4.0	25	0.9	1.4	0.2	68	0.22



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000714.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1085096	Soil	7	25	0.29	143	0.036	1	1.10	0.011	0.05	0.2	0.09	1.0	<0.1	0.10	6	0.6	<0.2
1085095	Soil	7	31	0.34	97	0.028	1	1.27	0.009	0.05	0.1	0.14	0.8	0.1	0.16	7	0.8	<0.2
1085094	Soil	8	35	0.38	86	0.044	1	1.55	0.007	0.04	0.1	0.06	1.4	0.1	0.08	7	0.9	<0.2
1038547	Soil	9	90	1.35	260	0.283	<1	2.64	0.010	0.78	<0.1	0.03	4.1	0.3	<0.05	10	<0.5	<0.2
1038543	Soil	12	24	0.28	399	0.038	1	0.96	0.010	0.04	0.6	0.04	1.9	<0.1	<0.05	4	1.1	<0.2
1085093	Soil	9	32	0.45	103	0.053	<1	1.51	0.011	0.06	0.1	0.05	1.8	<0.1	0.06	5	<0.5	<0.2
1085091	Soil	10	40	0.40	173	0.031	2	1.46	0.008	0.07	0.1	0.06	1.4	0.1	0.08	7	1.0	<0.2
1085085	Soil	14	39	0.56	157	0.084	<1	1.88	0.011	0.15	0.3	0.04	3.5	0.2	0.20	6	2.2	<0.2
1085089	Soil	12	38	0.58	154	0.043	<1	1.59	0.008	0.08	0.2	0.03	2.0	0.1	0.06	6	0.8	<0.2
1085092	Soil	10	39	0.56	123	0.077	<1	1.91	0.009	0.07	0.2	0.05	2.5	0.1	<0.05	8	0.6	<0.2
1038540	Soil	36	37	1.04	266	0.160	<1	2.28	0.006	0.50	<0.1	0.02	4.2	0.3	<0.05	7	<0.5	<0.2
1085087	Soil	13	39	0.51	172	0.042	1	1.18	0.010	0.13	0.3	0.03	2.3	0.1	0.08	5	1.6	<0.2
1085090	Soil	4	12	0.11	110	0.026	<1	0.75	0.014	0.02	<0.1	0.04	0.4	<0.1	0.11	4	<0.5	<0.2
1085086	Soil	7	27	0.40	107	0.053	<1	1.28	0.009	0.04	0.2	0.05	1.6	0.1	0.08	6	1.1	<0.2
1085088	Soil	7	34	0.26	135	0.012	1	0.81	0.015	0.07	0.1	0.06	0.4	<0.1	0.15	4	<0.5	<0.2
1082412	Soil	12	41	0.69	824	0.093	1	2.77	0.016	0.10	0.2	0.04	4.4	0.1	<0.05	7	1.1	<0.2
1082414	Soil	12	45	0.67	967	0.062	2	2.03	0.009	0.08	0.3	0.08	3.0	0.2	0.08	7	1.0	<0.2
1082413	Soil	16	38	0.67	981	0.063	1	2.28	0.012	0.08	0.7	0.02	4.3	<0.1	0.06	6	1.6	<0.2
1082411	Soil	10	40	0.70	449	0.083	3	2.89	0.012	0.10	0.2	0.04	4.1	0.1	<0.05	7	0.7	<0.2
1038548	Soil	11	37	0.48	113	0.157	<1	1.53	0.009	0.15	0.1	0.04	2.8	0.2	<0.05	9	<0.5	<0.2
1082417	Soil	12	116	0.97	320	0.151	<1	2.65	0.013	0.23	0.2	0.03	6.1	0.2	0.05	10	1.4	<0.2
1082418	Soil	17	40	0.65	380	0.083	1	2.05	0.007	0.16	0.1	0.02	3.7	0.2	<0.05	6	1.5	<0.2
1082420	Soil	9	40	0.48	187	0.072	1	2.06	0.010	0.06	0.1	0.04	2.7	0.1	<0.05	9	<0.5	<0.2
1082415	Soil	17	47	0.87	513	0.084	2	2.19	0.011	0.11	0.4	0.02	4.4	0.1	0.05	6	1.5	<0.2
1082416	Soil	8	328	2.79	933	0.303	<1	4.07	0.011	0.75	0.2	<0.01	5.5	0.5	<0.05	12	0.6	<0.2
1082394	Soil	12	40	0.58	753	0.061	2	3.01	0.012	0.09	0.1	0.07	4.6	0.1	<0.05	6	1.4	<0.2
1082395	Soil	13	28	0.49	319	0.061	2	2.01	0.011	0.08	0.1	0.02	3.2	0.1	<0.05	5	0.7	<0.2
1082396	Soil	13	31	0.53	281	0.055	2	2.18	0.009	0.10	0.2	0.02	2.8	0.2	<0.05	6	<0.5	<0.2
1082410	Soil	14	33	0.54	332	0.077	1	2.10	0.009	0.09	0.2	0.03	2.7	0.2	<0.05	7	0.6	<0.2
1082419	Soil	12	37	0.68	329	0.096	2	2.47	0.012	0.09	0.1	0.02	3.9	0.1	<0.05	6	<0.5	<0.2



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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
1082398	Soil	4.6	48.4	63.4	214	0.3	42.6	10.1	841	2.93	92.3	1.6	8.0	5.4	21	1.0	4.7	0.3	30	0.11	0.039
1082399	Soil	4.6	45.7	62.2	211	0.3	40.0	10.1	830	2.90	87.6	1.5	7.9	5.3	20	1.1	4.6	0.3	30	0.10	0.038
1038546	Soil	1.0	34.8	16.2	68	<0.1	38.6	12.3	321	3.17	11.7	0.6	2.4	2.6	21	0.2	1.0	0.2	59	0.23	0.057
1038541	Soil	2.6	84.1	116.3	296	0.4	49.6	12.8	1132	3.90	22.3	2.2	1.0	2.4	14	1.2	2.6	0.2	111	0.24	0.114
1006751	Soil	0.8	27.7	9.1	83	0.2	36.9	13.6	705	4.04	12.2	0.6	0.8	1.8	51	0.3	1.7	0.2	64	0.81	0.133
1082404	Soil	4.7	64.1	16.8	158	0.4	44.2	12.8	379	3.87	50.7	1.3	4.3	3.8	45	0.5	3.8	0.3	62	0.19	0.061
1082402	Soil	3.7	33.4	18.6	98	0.2	38.3	13.4	463	4.37	62.7	0.9	6.4	3.7	18	0.5	2.4	0.3	98	0.16	0.046
1082403	Soil	4.4	44.3	14.7	135	0.2	30.5	12.1	733	3.21	28.9	0.9	3.5	2.0	34	0.7	2.2	0.3	86	0.25	0.153
1082401	Soil	4.9	144.3	104.4	445	0.7	87.1	27.1	1422	7.83	97.6	1.7	5.3	8.4	19	2.7	9.9	0.5	58	0.11	0.042
1082400	Soil	2.7	29.0	14.9	70	0.5	25.6	10.5	388	4.62	13.7	0.6	3.8	2.4	20	0.3	1.1	0.3	102	0.17	0.050
1082409	Soil	5.2	69.7	21.3	208	0.6	63.0	14.8	526	3.58	65.5	1.8	3.6	4.3	76	2.1	4.8	0.2	98	0.29	0.121
1082408	Soil	1.6	22.8	29.6	103	<0.1	22.3	7.9	701	2.56	24.7	0.8	7.8	4.2	18	0.3	2.1	0.3	45	0.21	0.054
1082406	Soil	4.7	171.5	45.7	793	0.8	202.3	66.0	1937	8.68	169.3	4.0	3.1	2.3	19	3.5	23.1	0.4	136	0.28	0.122
1082407	Soil	5.0	165.0	50.2	857	0.7	225.8	71.1	2182	9.26	188.4	4.0	2.4	2.4	21	3.6	27.1	0.4	137	0.28	0.138
1082405	Soil	4.2	84.0	39.1	300	0.6	114.6	31.5	1053	6.17	75.1	1.7	4.1	4.3	52	1.5	10.1	0.3	90	0.20	0.073
1086130	Soil	1.7	28.9	11.6	77	0.2	27.3	10.4	251	2.54	15.5	0.7	4.1	4.4	23	0.2	0.6	0.2	58	0.39	0.058
1086140	Soil	2.7	103.1	31.3	288	0.9	58.6	15.6	748	3.48	27.6	1.9	3.3	2.4	39	3.6	0.6	0.6	78	0.40	0.107
1086136	Soil	19.5	139.1	7.6	54	1.1	47.6	25.0	2037	2.64	48.7	2.9	8.5	0.1	69	1.5	1.3	0.1	51	1.20	0.147
1086131	Soil	2.5	28.5	14.3	88	0.3	26.5	10.2	230	2.47	18.3	0.9	4.5	4.5	25	0.3	0.6	0.2	58	0.44	0.068
1086137	Soil	2.6	40.9	9.6	88	0.4	36.4	15.5	465	3.11	23.5	1.1	1.9	4.5	34	0.2	0.5	0.2	80	0.82	0.127
1086141	Soil	2.3	62.7	13.0	129	0.8	43.7	14.4	409	3.70	20.6	1.6	0.9	4.0	37	0.3	0.6	0.3	89	0.34	0.113
1086139	Soil	4.6	63.8	94.6	326	1.8	46.8	17.0	622	3.42	74.4	2.2	10.5	3.6	42	2.8	1.0	2.3	82	0.38	0.125
1086134	Soil	4.3	31.2	20.6	98	0.3	25.0	7.1	262	2.36	17.9	1.2	5.9	3.5	36	0.5	1.0	0.2	62	0.62	0.077
1086138	Soil	2.7	42.0	9.7	89	0.3	36.2	15.6	486	3.12	24.2	1.1	5.0	4.3	34	0.2	0.5	0.2	80	0.81	0.126
1086135	Soil	6.5	51.7	4.7	55	0.7	21.3	26.8	1098	2.34	17.6	1.6	5.5	0.6	40	0.4	0.6	0.1	49	0.79	0.113
1038545	Soil	1.0	34.9	25.3	79	0.5	41.8	16.8	1406	3.57	22.5	1.1	2.9	1.6	116	0.7	1.5	0.2	59	1.93	0.126
1038542	Soil	4.8	537.8	20.8	2628	0.6	625.6	50.2	9755	8.12	24.5	13.7	5.3	5.5	32	43.8	5.1	0.1	134	0.96	0.483
1038549	Soil	0.7	32.0	13.4	69	<0.1	40.8	16.8	369	3.61	8.2	1.0	4.6	6.2	17	0.1	0.6	0.2	65	0.26	0.045
1038544	Soil	1.4	39.2	34.0	232	0.2	33.5	13.4	475	3.98	35.2	1.1	3.8	4.9	18	0.8	2.0	0.2	79	0.30	0.099
1038550	Soil	1.0	36.5	13.7	75	0.1	66.3	19.1	416	3.86	9.0	0.9	<0.5	6.3	29	0.1	1.2	0.2	73	0.45	0.061



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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
1082398	Soil	16	16	0.22	1846	0.009	1	1.26	0.005	0.09	0.1	0.02	2.9	0.2	<0.05	3	1.3	<0.2
1082399	Soil	16	16	0.22	1847	0.008	1	1.31	0.006	0.09	<0.1	0.03	2.8	0.1	<0.05	3	1.7	<0.2
1038546	Soil	11	51	0.70	89	0.102	2	1.89	0.011	0.13	0.1	0.02	3.0	0.1	<0.05	7	0.6	<0.2
1038541	Soil	12	38	0.44	230	0.069	<1	2.00	0.006	0.04	0.3	0.06	3.1	0.1	<0.05	7	1.0	<0.2
1006751	Soil	11	41	1.06	137	0.094	<1	2.29	0.011	0.13	0.1	0.02	4.7	0.2	<0.05	9	<0.5	<0.2
1082404	Soil	13	32	0.39	456	0.045	1	2.02	0.012	0.09	0.2	0.03	3.1	0.2	0.07	5	1.6	<0.2
1082402	Soil	12	41	0.49	263	0.074	3	2.24	0.008	0.07	0.2	0.03	3.6	0.1	<0.05	8	<0.5	<0.2
1082403	Soil	12	23	0.27	633	0.064	1	1.05	0.015	0.06	0.2	0.02	2.4	<0.1	0.05	5	1.7	<0.2
1082401	Soil	33	34	0.61	1998	0.026	2	1.66	0.007	0.09	0.1	0.04	9.5	0.3	0.07	4	3.7	0.2
1082400	Soil	10	42	0.45	211	0.067	<1	2.46	0.009	0.05	0.1	0.02	2.9	0.2	<0.05	9	<0.5	<0.2
1082409	Soil	16	39	0.51	964	0.071	2	2.20	0.012	0.12	0.4	0.03	5.1	0.1	0.07	5	1.4	<0.2
1082408	Soil	13	23	0.37	1461	0.043	<1	1.52	0.009	0.08	0.1	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1082406	Soil	10	117	0.62	650	0.001	<1	2.12	0.004	0.19	0.1	0.04	18.1	0.4	<0.05	6	3.3	0.3
1082407	Soil	10	135	0.67	680	0.002	<1	2.31	0.005	0.22	0.1	0.04	18.1	0.5	<0.05	6	2.4	0.4
1082405	Soil	13	88	0.92	1026	0.031	2	3.09	0.010	0.17	0.2	0.05	7.5	0.3	<0.05	8	1.8	<0.2
1086130	Soil	12	36	0.56	170	0.097	1	1.61	0.014	0.14	0.3	0.01	2.9	0.2	<0.05	5	<0.5	<0.2
1086140	Soil	16	45	0.73	279	0.077	<1	1.83	0.015	0.19	0.2	0.03	3.2	0.1	<0.05	7	0.5	<0.2
1086136	Soil	12	13	0.19	358	0.012	4	0.76	0.017	0.05	0.2	0.10	0.8	<0.1	0.18	3	4.0	<0.2
1086131	Soil	13	38	0.62	186	0.087	<1	1.50	0.016	0.12	0.2	0.04	2.8	0.1	<0.05	5	2.1	<0.2
1086137	Soil	15	42	0.87	191	0.103	2	1.62	0.015	0.30	0.1	0.02	4.1	0.2	<0.05	6	1.4	<0.2
1086141	Soil	14	46	0.92	219	0.120	3	2.23	0.011	0.31	0.1	0.02	3.9	0.2	<0.05	7	0.7	<0.2
1086139	Soil	17	43	0.67	240	0.068	1	1.57	0.011	0.22	0.2	0.03	3.5	0.2	<0.05	6	1.4	0.3
1086134	Soil	12	43	0.57	353	0.087	1	1.50	0.022	0.13	0.2	0.02	3.1	<0.1	<0.05	5	1.3	<0.2
1086138	Soil	15	43	0.89	198	0.109	<1	1.68	0.015	0.31	0.2	0.03	4.1	0.2	<0.05	7	1.2	<0.2
1086135	Soil	9	16	0.23	191	0.043	3	0.68	0.023	0.07	<0.1	0.04	1.4	<0.1	0.09	3	1.3	<0.2
1038545	Soil	22	44	0.74	209	0.045	2	1.93	0.015	0.08	0.1	0.07	4.3	<0.1	0.10	6	0.6	<0.2
1038542	Soil	29	30	0.32	997	0.052	<1	2.24	0.007	0.06	1.3	0.06	7.8	0.1	<0.05	5	1.8	<0.2
1038549	Soil	15	51	0.69	103	0.173	1	2.14	0.014	0.26	0.2	<0.01	3.7	0.2	<0.05	8	<0.5	<0.2
1038544	Soil	15	44	0.80	191	0.120	<1	2.45	0.011	0.16	0.1	0.03	3.7	0.1	<0.05	8	<0.5	<0.2
1038550	Soil	27	136	1.39	182	0.104	<1	2.90	0.010	0.61	<0.1	<0.01	5.3	0.3	<0.05	9	<0.5	<0.2



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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
1084573	Soil	3.6	22.5	15.3	57	0.4	18.4	6.9	277	4.07	13.4	0.5	<0.5	2.1	16	0.2	1.2	0.3	105	0.14	0.036
1084567	Soil	2.0	45.9	18.6	163	<0.1	66.4	20.4	715	4.35	51.1	0.9	3.6	3.1	11	0.4	2.3	0.3	92	0.10	0.055
1084569	Soil	2.9	61.8	14.6	296	1.1	67.0	20.8	762	4.06	58.0	0.9	3.9	2.4	17	0.6	2.9	0.2	73	0.16	0.056
1084568	Soil	1.0	113.3	10.6	100	0.4	121.4	31.9	647	3.62	38.9	0.6	14.8	2.4	15	0.5	1.5	0.2	65	0.19	0.040
1084563	Soil	1.5	55.7	11.6	103	0.1	53.0	13.8	474	3.38	19.6	0.9	2.0	3.5	15	0.5	2.2	0.2	76	0.24	0.078
1086127	Soil	1.1	30.3	10.8	70	<0.1	32.8	14.2	260	3.01	13.5	0.7	0.5	4.7	24	0.4	0.6	0.2	66	0.27	0.038
1086126	Soil	0.8	18.6	11.2	80	<0.1	26.4	9.7	242	2.84	9.1	0.7	<0.5	7.8	18	<0.1	0.3	0.2	53	0.25	0.033
1086132	Soil	2.0	40.8	10.5	70	0.2	29.7	13.3	275	2.95	23.0	3.6	<0.5	4.6	36	0.3	0.5	0.2	53	0.58	0.085
1084574	Soil	1.8	40.7	13.0	88	<0.1	39.3	11.5	554	3.79	25.2	0.8	0.9	3.3	16	0.3	1.6	0.3	75	0.18	0.055
1084571	Soil	2.6	47.3	14.5	124	0.4	49.7	15.4	456	4.14	54.7	0.8	6.4	2.9	19	0.6	2.4	0.3	83	0.15	0.043
1086142	Soil	3.8	42.7	11.2	83	0.5	21.6	9.6	322	3.21	10.6	2.0	2.2	1.2	28	0.8	0.7	0.2	117	0.22	0.098
1086128	Soil	0.7	29.1	11.0	61	0.2	36.5	11.5	226	2.57	16.4	0.8	<0.5	6.1	15	0.2	0.4	0.3	55	0.21	0.035
1086129	Soil	0.7	23.3	9.0	65	<0.1	25.0	8.7	265	2.05	10.4	0.6	1.3	3.9	17	0.2	0.2	0.3	43	0.29	0.061
1086133	Soil	0.7	19.2	8.6	52	<0.1	22.0	7.9	230	1.84	11.3	0.7	1.7	3.4	16	0.2	0.2	0.2	41	0.29	0.069
1086125	Soil	0.3	17.2	8.0	50	<0.1	25.6	8.8	269	1.70	7.9	0.6	0.5	4.1	15	0.2	0.2	0.2	37	0.33	0.078
1085126	Soil	0.8	33.3	5.1	36	0.3	16.9	10.3	265	2.31	3.0	0.6	0.9	1.0	16	0.2	0.2	0.2	47	0.22	0.068
1085128	Soil	1.5	35.8	11.6	62	<0.1	37.0	13.8	275	4.14	11.2	0.6	<0.5	3.1	22	0.2	0.6	0.5	73	0.60	0.031
1085127	Soil	2.0	35.7	12.6	86	0.3	45.1	13.3	914	2.95	12.6	0.8	2.6	3.0	78	0.9	0.7	0.2	64	1.74	0.096
1085129	Soil	1.3	27.3	9.2	49	<0.1	24.8	11.1	230	3.68	10.0	0.6	2.5	2.5	14	0.2	0.6	0.2	73	0.17	0.045
1085130	Soil	1.5	40.9	12.0	65	0.1	48.1	19.2	268	3.95	9.0	0.8	2.1	4.4	14	0.1	0.5	0.3	69	0.27	0.061
1085139	Soil	1.2	21.7	5.0	51	0.2	17.5	15.7	1973	2.70	13.5	0.5	1.7	1.4	30	0.2	0.5	0.1	44	0.49	0.067
1085140	Soil	0.5	30.0	10.5	79	0.3	31.2	13.1	167	3.19	29.7	1.2	3.5	5.7	26	0.2	0.8	0.2	60	0.40	0.051
1085137	Soil	0.3	23.8	2.0	20	<0.1	8.3	2.4	99	0.62	9.0	0.6	8.6	0.5	30	0.1	0.6	<0.1	24	0.49	0.054
1085138	Soil	0.5	27.7	10.7	78	0.2	30.7	11.7	266	2.65	25.1	1.2	5.1	5.5	26	0.2	1.4	0.2	61	0.43	0.057
1085125	Soil	1.6	49.2	9.4	53	0.3	35.8	16.4	426	4.20	7.7	0.8	3.3	2.3	20	0.2	0.5	0.3	76	0.17	0.055
1084572	Soil	1.2	43.4	11.1	88	0.2	49.5	15.5	393	3.08	28.7	0.7	2.4	3.2	15	0.4	1.5	0.2	72	0.22	0.052
1084570	Soil	3.1	37.1	12.4	119	0.1	24.6	10.7	765	3.49	25.2	0.9	1.0	0.6	17	0.4	1.7	0.3	87	0.16	0.063
1084566	Soil	1.7	50.4	14.1	115	0.1	56.3	17.7	675	3.91	89.4	0.8	9.3	3.7	14	0.4	4.0	0.2	75	0.19	0.060
1084565	Soil	1.9	54.2	10.5	89	<0.1	41.1	11.0	415	3.58	24.0	0.8	<0.5	1.2	19	0.3	1.2	0.2	96	0.22	0.068
1084564	Soil	2.9	33.9	14.8	73	0.1	26.1	10.6	551	4.02	55.4	0.7	5.3	2.0	18	0.3	2.3	0.2	89	0.17	0.054



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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	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1084573	Soil	9	30	0.32	73	0.115	1	1.47	0.007	0.09	0.1	0.04	2.0	<0.1	<0.05	10	<0.5
1084567	Soil	12	72	0.75	157	0.077	<1	2.14	0.006	0.23	0.1	0.02	5.5	0.2	<0.05	8	<0.5
1084569	Soil	12	46	0.52	149	0.085	1	1.97	0.009	0.09	0.1	0.06	3.0	0.1	<0.05	7	0.5
1084568	Soil	8	93	0.85	119	0.119	2	2.51	0.017	0.08	0.1	0.04	3.6	<0.1	<0.05	6	0.7
1084563	Soil	12	49	0.68	149	0.109	<1	1.93	0.010	0.29	0.1	0.02	3.2	0.2	<0.05	6	1.3
1086127	Soil	10	37	0.53	184	0.094	1	2.11	0.013	0.12	0.3	0.02	3.0	0.1	<0.05	7	<0.5
1086126	Soil	15	36	0.47	166	0.118	<1	1.95	0.016	0.12	0.3	<0.01	3.0	0.2	<0.05	8	<0.5
1086132	Soil	20	41	0.59	216	0.074	<1	1.69	0.015	0.10	0.2	0.04	3.5	0.2	<0.05	6	0.9
1084574	Soil	12	40	0.57	182	0.097	<1	2.10	0.009	0.16	<0.1	0.02	3.4	0.2	<0.05	7	<0.5
1084571	Soil	11	44	0.49	167	0.086	<1	2.27	0.008	0.09	<0.1	0.04	3.3	0.2	<0.05	8	<0.5
1086142	Soil	11	35	0.49	126	0.079	1	1.72	0.012	0.09	0.1	0.03	2.2	0.1	0.06	7	1.0
1086128	Soil	13	44	0.53	187	0.104	<1	2.07	0.017	0.15	0.5	0.01	3.1	0.2	<0.05	6	0.6
1086129	Soil	11	31	0.43	152	0.072	4	1.41	0.012	0.13	0.4	0.02	1.9	0.1	<0.05	5	<0.5
1086133	Soil	11	30	0.42	137	0.071	2	1.19	0.011	0.10	0.4	0.02	1.7	0.1	<0.05	5	0.9
1086125	Soil	11	33	0.45	130	0.076	2	1.07	0.014	0.13	0.3	0.02	1.7	0.1	<0.05	4	<0.5
1085126	Soil	8	23	0.41	82	0.065	2	1.08	0.016	0.25	<0.1	0.05	1.6	0.1	0.08	4	<0.5
1085128	Soil	9	34	0.86	130	0.178	2	1.95	0.008	0.29	0.2	0.03	2.9	0.3	<0.05	8	<0.5
1085127	Soil	16	35	0.73	155	0.057	3	2.24	0.030	0.08	0.3	0.04	3.9	0.2	0.05	6	0.9
1085129	Soil	8	31	0.49	73	0.136	2	1.71	0.010	0.18	0.1	0.04	1.9	0.2	<0.05	7	0.8
1085130	Soil	14	42	1.01	146	0.164	3	2.30	0.011	0.47	0.2	0.03	3.3	0.3	<0.05	8	<0.5
1085139	Soil	7	21	0.34	141	0.071	<1	1.05	0.020	0.11	<0.1	0.04	1.7	0.1	<0.05	4	0.8
1085140	Soil	17	41	0.74	164	0.116	2	1.91	0.012	0.20	0.3	0.04	3.8	0.2	<0.05	6	0.6
1085137	Soil	5	8	0.10	59	0.064	<1	0.42	0.029	0.04	<0.1	0.02	0.7	<0.1	0.06	2	0.7
1085138	Soil	15	45	0.84	164	0.137	1	1.97	0.013	0.29	0.2	0.04	3.8	0.2	<0.05	6	1.0
1085125	Soil	11	45	0.93	114	0.132	1	2.05	0.017	0.52	0.1	0.03	3.7	0.3	0.09	8	1.3
1084572	Soil	9	48	0.66	134	0.107	3	2.16	0.011	0.12	0.1	0.06	3.3	0.1	<0.05	5	1.2
1084570	Soil	8	29	0.27	129	0.053	<1	1.18	0.008	0.07	<0.1	0.07	1.5	0.1	<0.05	7	0.9
1084566	Soil	13	49	0.66	148	0.081	2	2.22	0.010	0.11	0.1	0.02	3.6	0.1	<0.05	6	1.6
1084565	Soil	10	63	0.70	156	0.092	1	1.97	0.008	0.14	0.1	0.03	2.9	0.2	<0.05	9	0.5
1084564	Soil	10	39	0.45	107	0.084	1	1.81	0.008	0.06	0.1	0.04	2.5	0.1	<0.05	8	0.9



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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
1084556	Soil	2.6	51.4	7.4	39	<0.1	14.0	5.2	116	1.76	6.4	0.6	<0.5	0.2	15	0.3	1.0	0.2	67	0.11	0.060
1084562	Soil	2.1	51.7	11.3	81	<0.1	40.2	12.1	331	3.73	15.3	0.9	2.2	3.1	13	0.3	1.1	0.2	81	0.13	0.051
1084584	Soil	3.2	31.7	18.2	107	0.7	27.9	12.3	650	4.15	19.1	0.6	1.4	2.4	23	1.1	1.8	0.3	92	0.17	0.056
1084582	Soil	2.7	34.6	14.1	114	0.7	28.2	13.3	587	3.91	19.2	0.6	1.8	1.4	25	1.2	1.9	0.3	88	0.22	0.052
1084583	Soil	3.1	32.0	17.2	111	0.7	28.7	12.3	646	4.17	19.6	0.6	1.0	2.3	22	1.2	1.9	0.3	92	0.18	0.054
1084554	Soil	2.9	75.6	12.3	109	0.5	53.1	10.5	438	3.83	43.3	1.7	3.7	0.7	21	0.4	4.1	0.3	96	0.20	0.114
1084551	Soil	3.9	36.2	9.0	52	0.1	17.9	4.5	87	1.91	22.5	0.9	3.6	0.3	14	0.3	2.4	0.2	85	0.09	0.055
1084558	Soil	1.5	44.6	12.1	81	<0.1	43.9	11.7	404	3.55	19.5	0.8	1.8	3.3	10	0.2	1.5	0.2	78	0.16	0.055
1084559	Soil	0.9	43.6	9.4	76	0.2	42.9	13.9	476	3.19	25.4	0.9	4.7	2.9	13	0.3	1.8	0.2	71	0.27	0.083
1084560	Soil	1.2	44.1	11.7	96	<0.1	52.2	11.2	454	3.71	23.2	0.8	0.7	3.1	9	0.2	1.4	0.2	83	0.13	0.064
1084557	Soil	1.5	49.7	10.1	73	0.1	43.2	14.9	427	3.25	15.7	0.9	2.9	3.0	14	0.2	1.5	0.2	73	0.19	0.065
1084552	Soil	1.6	59.6	9.2	116	0.1	50.0	14.8	631	2.81	28.7	1.5	2.7	3.0	14	0.7	3.8	0.2	83	0.25	0.097
1084553	Soil	2.7	72.5	15.4	119	0.2	44.0	16.7	574	4.07	67.5	2.3	7.6	5.7	20	0.8	6.4	0.2	70	0.23	0.132
1084561	Soil	1.2	43.6	12.4	92	<0.1	45.4	12.9	531	3.48	41.5	1.0	4.3	4.6	12	0.3	2.5	0.2	67	0.19	0.077
1084555	Soil	1.8	36.8	12.8	78	<0.1	31.2	9.6	429	3.41	28.7	0.9	1.4	1.7	10	0.3	2.2	0.2	73	0.12	0.052
1080469	Soil	0.9	50.0	8.9	55	0.2	27.4	13.1	559	2.58	14.1	2.0	2.6	1.6	37	0.5	0.7	0.2	53	0.88	0.081
1086349	Soil	0.7	59.5	6.7	64	0.3	29.1	9.1	400	1.76	13.1	2.2	4.0	1.1	52	0.7	0.9	0.1	32	1.84	0.059
1080464	Soil	1.3	45.6	10.4	93	0.2	38.6	15.1	578	3.37	23.2	1.6	15.2	4.0	43	0.4	1.1	0.2	68	1.03	0.066
1086348	Soil	1.0	38.6	7.0	50	0.4	24.5	10.5	398	2.35	53.1	2.0	17.7	1.0	50	0.3	1.2	0.2	40	0.92	0.085
1086350	Soil	2.0	39.8	11.4	130	<0.1	40.5	13.5	360	3.39	52.5	0.8	1.0	2.6	30	1.1	2.0	0.2	73	0.29	0.047
1085136	Soil	1.1	30.7	10.9	76	0.4	31.6	9.9	293	3.08	47.1	1.8	9.1	4.7	55	0.2	1.7	0.2	55	0.81	0.082
1086344	Soil	1.5	47.5	8.2	65	1.0	37.8	11.1	653	3.24	413.0	2.3	79.7	1.0	36	0.2	3.4	0.2	54	0.48	0.135
1086346	Soil	1.5	28.4	10.4	72	<0.1	34.5	13.7	416	3.54	218.9	0.8	26.9	4.7	20	0.1	3.4	0.3	61	0.21	0.036
1086345	Soil	1.3	35.0	11.0	79	<0.1	52.1	17.3	491	4.21	273.2	1.2	48.4	5.6	22	<0.1	6.0	0.2	68	0.30	0.046
1086347	Soil	1.2	28.5	10.3	73	<0.1	30.6	12.2	369	3.61	111.2	1.0	24.7	5.5	19	<0.1	2.5	0.2	59	0.27	0.045
1085131	Soil	1.1	36.9	10.7	67	<0.1	40.7	17.2	343	3.46	10.0	0.7	1.8	5.3	18	0.2	0.6	0.3	59	0.25	0.049
1085132	Soil	0.3	20.4	2.4	31	<0.1	9.5	6.8	168	1.90	2.5	0.3	<0.5	0.6	14	<0.1	0.2	<0.1	58	0.16	0.048
1085134	Soil	0.8	25.9	9.5	76	0.1	29.1	15.2	697	3.21	18.8	1.1	6.6	3.1	75	0.2	1.0	0.2	51	1.27	0.073
1085133	Soil	0.9	35.7	9.4	86	<0.1	42.2	17.1	510	3.95	8.6	1.3	1.8	3.9	81	0.1	0.9	0.2	55	1.39	0.124
1085135	Soil	0.8	26.8	11.5	90	0.1	35.4	17.3	697	3.76	50.6	1.5	4.5	5.0	62	0.2	1.4	0.2	56	0.99	0.078



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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
1084556	Soil	8	17	0.12	107	0.039	<1	0.95	0.009	0.04	0.1	0.04	0.8	<0.1	<0.05	5	0.6	<0.2
1084562	Soil	10	41	0.59	108	0.119	1	1.88	0.008	0.20	0.1	0.02	2.6	0.2	<0.05	7	1.1	<0.2
1084584	Soil	9	35	0.42	197	0.119	<1	1.66	0.010	0.12	0.2	0.03	2.2	0.1	<0.05	9	<0.5	<0.2
1084582	Soil	9	38	0.45	183	0.085	1	1.72	0.010	0.12	0.1	0.04	2.1	0.1	<0.05	8	0.7	<0.2
1084583	Soil	9	34	0.43	201	0.118	1	1.68	0.011	0.12	0.1	0.03	2.2	0.1	<0.05	9	0.6	<0.2
1084554	Soil	13	68	0.71	381	0.054	<1	2.23	0.013	0.14	0.1	0.05	3.2	0.2	<0.05	8	0.8	<0.2
1084551	Soil	10	20	0.10	88	0.039	<1	0.93	0.007	0.03	0.1	0.05	1.0	0.1	<0.05	6	0.7	<0.2
1084558	Soil	13	47	0.67	141	0.096	<1	1.86	0.006	0.23	0.1	0.01	2.8	0.2	<0.05	6	0.6	<0.2
1084559	Soil	11	40	0.69	168	0.094	<1	1.78	0.009	0.23	0.1	0.03	2.9	0.2	<0.05	5	0.9	<0.2
1084560	Soil	11	54	0.74	138	0.114	<1	1.94	0.006	0.32	<0.1	<0.01	2.7	0.2	<0.05	7	0.9	<0.2
1084557	Soil	11	41	0.59	124	0.109	<1	1.74	0.008	0.22	0.1	0.03	2.6	0.2	<0.05	6	0.6	<0.2
1084552	Soil	13	40	0.41	136	0.075	1	1.49	0.007	0.08	0.2	0.03	2.5	<0.1	<0.05	5	1.5	<0.2
1084553	Soil	22	33	0.37	308	0.049	<1	1.38	0.007	0.12	0.2	0.02	2.3	0.1	0.08	4	2.3	<0.2
1084561	Soil	15	41	0.61	142	0.089	1	1.87	0.007	0.30	0.1	0.03	2.9	0.2	<0.05	6	0.8	0.2
1084555	Soil	11	38	0.43	83	0.078	<1	1.37	0.006	0.15	0.1	0.03	2.0	0.1	<0.05	6	1.0	<0.2
1080469	Soil	19	33	0.76	209	0.060	<1	1.73	0.018	0.11	0.2	0.04	3.3	0.1	0.07	6	0.9	<0.2
1086349	Soil	11	20	0.58	230	0.042	2	1.07	0.023	0.07	<0.1	0.05	1.8	<0.1	0.11	3	1.3	<0.2
1080464	Soil	17	48	1.03	305	0.119	<1	2.14	0.034	0.26	0.2	0.02	5.0	0.2	0.08	7	1.2	<0.2
1086348	Soil	36	24	0.58	183	0.038	2	1.81	0.026	0.14	<0.1	0.05	2.6	<0.1	0.09	5	<0.5	<0.2
1086350	Soil	14	37	0.83	146	0.073	1	1.85	0.014	0.15	0.2	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1085136	Soil	16	45	0.95	135	0.135	1	1.94	0.025	0.26	0.1	0.04	4.4	0.3	0.10	7	<0.5	<0.2
1086344	Soil	18	40	0.58	308	0.024	2	2.43	0.018	0.14	<0.1	0.08	3.2	0.1	0.09	6	<0.5	<0.2
1086346	Soil	17	49	0.84	152	0.101	1	1.89	0.013	0.26	0.1	<0.01	3.5	0.2	<0.05	7	<0.5	<0.2
1086345	Soil	20	75	1.25	189	0.100	1	2.44	0.011	0.30	<0.1	<0.01	4.7	0.2	<0.05	8	0.9	<0.2
1086347	Soil	19	37	0.96	198	0.116	<1	2.09	0.014	0.34	<0.1	0.01	3.9	0.2	<0.05	7	<0.5	<0.2
1085131	Soil	13	40	0.94	121	0.142	<1	2.60	0.013	0.39	0.1	0.03	3.3	0.3	<0.05	7	<0.5	<0.2
1085132	Soil	6	8	0.22	42	0.087	<1	0.53	0.019	0.06	<0.1	<0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
1085134	Soil	13	37	0.81	160	0.120	2	1.77	0.029	0.20	0.1	0.04	3.9	0.2	0.09	6	<0.5	<0.2
1085133	Soil	18	45	1.03	152	0.164	2	2.15	0.042	0.40	0.2	0.03	4.6	0.3	0.08	7	<0.5	<0.2
1085135	Soil	16	48	1.03	160	0.161	<1	1.87	0.027	0.27	0.1	0.02	4.7	0.3	0.06	7	0.7	<0.2



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Part 1

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	0.1	2	0.01
1086330	Soil	3.7	30.5	16.0	95	0.3	24.9	8.1	314	4.09	119.6	0.8	8.5	2.6	18	0.5	3.4	0.3	105	0.13	0.040
1086331	Soil	1.7	49.9	13.6	109	1.1	52.8	17.0	393	3.75	105.6	1.1	20.8	4.3	17	1.0	3.5	0.2	77	0.17	0.046
1086328	Soil	4.5	51.2	14.9	171	0.2	37.6	11.7	676	3.83	33.2	1.6	2.4	1.1	16	0.6	4.0	0.3	149	0.13	0.079
1086327	Soil	3.3	51.7	11.0	151	0.2	39.2	7.2	269	2.34	39.3	1.0	4.7	1.8	20	0.8	5.0	0.1	81	0.25	0.082
1086326	Soil	1.8	44.2	13.1	100	0.1	41.3	14.9	477	3.60	30.1	0.8	5.7	3.0	23	0.5	2.4	0.2	81	0.26	0.056
1084579	Soil	3.9	38.2	14.9	125	0.5	26.3	12.1	580	4.79	26.7	0.8	1.3	2.4	24	0.7	1.8	0.3	99	0.17	0.062
1086678	Soil	2.4	48.1	14.0	101	0.2	41.3	12.7	496	3.78	26.0	1.1	2.7	2.4	12	0.4	2.5	0.3	84	0.10	0.055
1086321	Soil	2.8	71.3	12.2	122	0.4	28.4	8.4	385	3.65	18.6	1.3	4.5	0.5	17	0.6	2.5	0.3	102	0.12	0.080
1086320	Soil	6.0	92.8	31.4	292	0.4	85.4	13.8	455	3.51	41.4	3.4	7.0	1.2	21	1.2	12.1	0.2	153	0.17	0.066
1086329	Soil	5.2	61.5	14.6	303	0.7	70.0	13.6	449	4.26	85.7	1.6	2.9	2.3	22	2.2	9.2	0.2	156	0.22	0.097
1084578	Soil	2.3	47.5	13.1	85	0.2	41.4	17.4	438	4.34	25.5	0.8	2.6	3.3	26	0.6	1.9	0.3	81	0.21	0.071
1084577	Soil	2.5	87.6	13.1	92	0.5	46.7	14.6	508	3.91	57.1	1.2	4.7	3.5	26	0.4	3.1	0.3	78	0.17	0.060
1084581	Soil	3.3	50.9	15.9	167	0.9	28.3	22.7	1322	3.71	15.9	1.2	1.9	1.3	31	1.9	2.2	0.4	79	0.20	0.074
1084580	Soil	3.1	75.3	19.1	115	0.7	69.1	19.2	924	3.54	44.9	1.2	4.7	3.2	29	0.5	4.5	0.3	69	0.19	0.066
1084575	Soil	2.7	51.7	11.5	105	0.4	35.8	13.5	506	3.94	34.6	1.0	1.7	1.9	22	0.6	2.8	0.3	75	0.16	0.073
1086674	Soil	1.0	57.5	10.5	99	0.2	46.0	15.9	496	2.90	16.9	0.9	3.2	2.5	15	0.7	2.1	0.2	70	0.16	0.044
1086670	Soil	2.0	59.1	9.7	121	0.3	46.6	13.4	520	2.86	14.8	1.9	5.3	2.7	16	0.9	2.0	0.2	110	0.18	0.070
1086673	Soil	1.2	46.2	8.2	111	0.1	44.1	14.5	460	2.75	15.0	1.2	3.3	3.5	18	0.8	2.2	0.1	83	0.26	0.089
1086675	Soil	2.5	40.6	11.7	109	0.2	27.2	11.3	657	3.70	15.0	0.8	10.7	1.1	16	0.4	1.9	0.3	93	0.13	0.053
1086685	Soil	1.5	63.7	9.1	136	0.7	53.7	15.9	470	3.03	15.9	1.3	3.7	1.9	18	1.5	3.0	0.2	90	0.25	0.084
1086679	Soil	3.9	151.0	13.3	372	0.3	93.9	18.1	1188	3.69	48.5	1.9	3.6	2.0	19	1.6	7.7	0.2	109	0.23	0.110
1086684	Soil	3.9	37.0	16.0	134	0.2	32.9	8.4	378	3.80	23.6	1.4	2.7	0.4	17	0.8	4.3	0.3	166	0.13	0.079
1086681	Soil	4.9	60.3	11.7	253	0.7	58.4	11.3	375	3.40	35.5	2.3	2.6	0.4	20	1.7	16.3	0.3	93	0.17	0.111
1086669	Soil	1.2	51.7	6.6	107	<0.1	41.8	12.1	500	2.58	14.4	1.2	4.0	2.9	18	0.7	2.2	0.1	85	0.34	0.123
1086682	Soil	16.0	59.6	13.9	365	0.6	101.4	16.2	496	3.26	100.3	3.8	5.0	2.1	45	2.3	15.0	0.2	158	0.32	0.142
1080466	Soil	1.0	32.5	11.3	72	0.1	49.0	16.7	463	3.84	15.0	0.8	<0.5	5.6	22	<0.1	1.1	0.2	67	0.34	0.030
1080467	Soil	0.9	34.9	10.0	66	<0.1	42.5	14.3	462	3.43	11.5	0.8	<0.5	5.6	28	<0.1	0.7	0.2	68	0.37	0.023
1086680	Soil	3.4	97.7	14.7	245	0.2	60.4	19.3	934	3.48	29.6	2.3	2.8	2.3	16	1.7	5.3	0.2	98	0.16	0.063
1086686	Soil	1.4	59.3	8.5	133	0.6	49.8	14.4	426	2.82	15.8	1.2	3.6	1.9	16	1.6	2.6	0.2	84	0.23	0.082
1080465	Soil	1.0	39.6	12.5	80	0.1	46.8	17.5	541	4.03	11.9	1.3	<0.5	7.7	46	0.1	0.7	0.3	75	0.62	0.037



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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
1086330	Soil	11	32	0.44	149	0.066	<1	1.73	0.008	0.05	0.1	0.03	2.4	0.2	<0.05	10	0.5	<0.2
1086331	Soil	12	46	0.69	133	0.097	2	3.21	0.012	0.10	0.1	0.09	4.1	0.1	<0.05	6	<0.5	<0.2
1086328	Soil	10	39	0.51	103	0.067	1	1.82	0.010	0.05	0.2	0.08	2.4	0.1	0.06	9	<0.5	<0.2
1086327	Soil	10	24	0.32	94	0.075	<1	1.16	0.010	0.04	0.3	0.03	1.8	<0.1	<0.05	5	<0.5	<0.2
1086326	Soil	10	40	0.67	173	0.103	1	2.26	0.013	0.07	0.2	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
1084579	Soil	11	37	0.55	173	0.091	<1	1.80	0.014	0.11	0.1	0.02	2.5	0.1	<0.05	10	<0.5	<0.2
1086678	Soil	11	41	0.65	122	0.085	1	2.00	0.009	0.13	0.1	0.05	2.7	0.1	<0.05	7	1.0	<0.2
1086321	Soil	9	36	0.49	115	0.057	1	1.47	0.009	0.05	0.1	0.06	1.8	0.1	0.06	9	0.6	<0.2
1086320	Soil	12	45	0.59	135	0.071	<1	2.16	0.010	0.07	0.5	0.06	2.6	0.1	<0.05	6	0.8	<0.2
1086329	Soil	11	38	0.52	194	0.101	2	2.33	0.011	0.06	0.4	0.08	2.8	<0.1	<0.05	8	0.7	<0.2
1084578	Soil	11	40	0.66	208	0.128	1	2.34	0.013	0.14	0.2	0.02	3.1	0.1	<0.05	8	0.6	<0.2
1084577	Soil	11	43	0.72	215	0.105	1	2.31	0.015	0.18	0.1	0.03	3.4	0.1	0.07	7	0.6	<0.2
1084581	Soil	11	33	0.46	238	0.061	1	1.59	0.016	0.12	<0.1	0.05	2.1	0.1	<0.05	7	<0.5	<0.2
1084580	Soil	11	48	0.66	226	0.093	1	1.94	0.012	0.19	0.1	0.02	2.8	0.2	0.05	6	0.7	<0.2
1084575	Soil	8	41	0.56	185	0.095	1	1.80	0.015	0.13	<0.1	0.04	2.5	0.1	<0.05	8	<0.5	0.2
1086674	Soil	10	41	0.69	87	0.089	2	2.24	0.011	0.10	0.2	0.04	3.1	0.1	<0.05	5	<0.5	<0.2
1086670	Soil	12	38	0.63	103	0.086	1	1.98	0.012	0.08	0.2	0.05	3.1	0.1	<0.05	6	<0.5	<0.2
1086673	Soil	12	39	0.64	111	0.088	<1	1.90	0.012	0.08	0.2	0.03	3.1	0.1	<0.05	5	<0.5	<0.2
1086675	Soil	8	31	0.51	86	0.085	<1	1.55	0.009	0.06	0.1	0.06	2.1	0.1	<0.05	8	0.5	<0.2
1086685	Soil	11	42	0.67	138	0.081	2	2.56	0.013	0.09	0.1	0.13	3.5	0.1	<0.05	6	0.7	<0.2
1086679	Soil	17	42	0.85	138	0.045	<1	2.17	0.009	0.07	0.5	0.05	2.7	0.1	<0.05	6	1.6	<0.2
1086684	Soil	9	38	0.47	101	0.059	<1	1.49	0.008	0.06	0.1	0.07	1.6	0.1	<0.05	9	0.7	<0.2
1086681	Soil	11	39	0.57	112	0.041	1	1.96	0.009	0.07	0.2	0.10	1.8	0.1	0.06	7	1.2	<0.2
1086669	Soil	11	36	0.60	106	0.076	<1	1.49	0.011	0.08	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
1086682	Soil	14	43	0.59	160	0.060	3	2.26	0.011	0.09	0.8	0.07	3.4	0.2	0.08	5	1.7	<0.2
1080466	Soil	14	78	1.08	266	0.143	2	2.35	0.018	0.46	0.1	<0.01	6.0	0.2	<0.05	7	<0.5	<0.2
1080467	Soil	15	57	1.00	218	0.144	2	2.12	0.026	0.41	0.1	0.02	6.2	0.2	<0.05	7	0.6	<0.2
1086680	Soil	13	42	0.62	142	0.076	2	1.67	0.009	0.06	0.3	0.04	3.8	0.1	<0.05	6	1.1	<0.2
1086686	Soil	10	40	0.65	131	0.073	2	2.51	0.012	0.09	0.1	0.11	3.5	0.1	<0.05	6	0.7	<0.2
1080465	Soil	23	74	1.29	427	0.167	2	2.99	0.043	0.58	0.1	0.01	8.1	0.3	<0.05	9	0.7	<0.2



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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	0.1	2	0.01
1086658	Soil	4.2	52.0	13.7	105	0.2	29.9	12.1	1088	3.97	24.6	1.8	4.0	0.3	14	0.3	2.2	0.3	121	0.08	0.078
1086665	Soil	1.2	115.8	18.4	163	0.3	58.7	13.3	678	3.00	29.2	1.0	2.8	2.5	14	0.7	4.3	0.2	77	0.18	0.060
1086662	Soil	1.0	25.1	4.2	77	<0.1	18.4	5.6	209	2.00	7.5	0.6	0.5	0.6	15	0.6	0.9	<0.1	66	0.20	0.085
1086657	Soil	3.0	39.0	10.0	104	0.6	35.2	12.6	477	3.08	39.6	1.5	6.2	2.0	19	0.5	4.0	0.2	85	0.17	0.057
1086655	Soil	2.9	40.1	7.8	158	<0.1	40.3	11.6	434	2.78	10.7	1.9	7.7	0.7	18	1.4	1.9	0.2	99	0.19	0.059
1086325	Soil	3.2	123.5	15.6	200	0.7	50.7	9.8	386	3.32	46.0	1.5	3.2	1.9	25	1.1	7.0	0.2	93	0.37	0.145
1086666	Soil	1.2	73.6	9.2	105	0.2	39.6	13.1	387	2.84	23.7	1.0	1.6	1.8	16	0.5	3.4	0.1	74	0.19	0.055
1086656	Soil	2.0	34.5	8.2	105	0.1	32.3	11.6	457	3.02	13.3	1.0	1.9	1.2	17	0.5	1.4	0.2	82	0.18	0.046
1086660	Soil	3.0	85.4	10.1	419	1.0	72.6	7.9	308	2.45	27.6	2.1	5.3	2.8	18	1.6	4.8	0.2	139	0.53	0.221
1086659	Soil	2.4	56.7	8.5	219	0.3	43.7	9.2	393	2.87	29.3	1.7	6.5	0.6	17	1.8	3.2	0.2	98	0.18	0.077
1086683	Soil	4.5	33.7	10.8	197	0.4	41.8	11.0	407	3.64	26.9	1.8	2.3	1.4	17	0.8	3.8	0.2	93	0.15	0.068
1084576	Soil	2.5	47.0	17.8	108	0.5	27.5	11.1	454	4.13	95.7	0.7	3.5	2.6	22	0.5	3.3	0.3	79	0.15	0.048
1086323	Soil	2.0	136.6	9.8	152	0.5	47.7	12.0	353	3.42	19.4	1.7	3.4	1.8	21	0.6	2.3	0.2	90	0.21	0.082
1086324	Soil	3.7	132.4	16.0	214	0.7	56.7	10.3	374	3.58	50.0	1.5	3.5	1.8	26	1.2	7.3	0.2	99	0.39	0.153
1086322	Soil	1.8	139.4	9.3	151	0.5	47.4	11.7	358	3.45	19.8	1.7	1.3	1.6	21	0.6	2.2	0.2	93	0.22	0.089
1086339	Soil	1.0	47.3	11.5	78	0.2	40.8	11.6	511	3.18	107.6	1.1	19.5	5.1	21	0.1	4.8	0.2	52	0.60	0.080
1086337	Soil	2.3	53.6	14.2	99	0.9	46.6	19.4	488	4.43	2701	1.8	3427	6.6	16	0.5	49.6	0.3	52	0.15	0.052
1086338	Soil	1.0	74.3	9.2	62	<0.1	68.8	25.7	302	3.73	44.0	0.6	9.9	1.8	19	0.2	3.5	0.2	86	0.42	0.126
1086335	Soil	2.1	24.5	13.5	63	0.1	31.7	11.5	382	4.59	94.7	0.6	4.3	2.6	19	0.2	2.5	0.3	91	0.23	0.047
1086334	Soil	2.5	53.6	14.3	85	0.2	69.6	23.8	1003	4.00	232.4	1.4	40.0	5.8	14	0.4	8.6	0.2	57	0.23	0.075
1086677	Soil	1.1	51.3	8.1	65	<0.1	69.4	16.7	563	2.94	16.8	0.8	2.6	2.5	12	0.5	1.7	0.1	66	0.19	0.056
1086663	Soil	1.3	23.6	5.0	55	0.2	13.0	6.8	308	2.20	7.0	0.6	4.6	0.1	11	0.4	0.9	0.1	72	0.11	0.066
1086668	Soil	1.9	45.8	11.4	107	0.2	31.3	12.2	498	3.42	16.1	1.3	1.5	1.9	15	0.5	1.6	0.2	96	0.17	0.079
1086667	Soil	1.1	59.6	7.8	86	0.2	36.2	10.9	414	2.95	16.0	1.0	1.4	2.2	16	0.4	2.0	0.1	75	0.26	0.078
1080470	Soil	1.2	44.5	11.7	81	<0.1	46.7	14.3	606	3.39	141.9	0.9	26.1	4.7	18	0.2	6.8	0.2	62	0.40	0.076
1086661	Soil	1.6	34.4	6.8	117	<0.1	26.8	6.7	222	2.49	10.1	0.9	<0.5	1.3	14	0.5	1.8	0.1	83	0.15	0.052
1086671	Soil	3.1	41.9	10.0	124	0.1	32.8	8.0	350	3.21	15.2	1.4	4.5	0.8	14	0.4	2.4	0.3	143	0.10	0.058
1086672	Soil	1.3	48.8	8.5	138	0.2	51.6	14.8	525	2.83	20.3	1.1	2.6	2.7	14	0.7	3.6	0.1	81	0.22	0.062
1086676	Soil	1.8	41.2	14.5	102	0.1	31.5	10.2	450	3.47	17.9	0.9	2.1	1.7	12	0.4	1.8	0.2	81	0.12	0.046
1086664	Soil	0.9	31.9	7.9	99	<0.1	35.1	13.2	456	2.82	14.0	0.7	1.2	2.5	14	0.4	1.5	0.2	71	0.21	0.043



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Part 2

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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
1086658	Soil	9	42	0.33	104	0.039	2	1.37	0.006	0.05	<0.1	0.05	1.6	0.2	0.06	9	1.0	<0.2
1086665	Soil	11	36	0.79	99	0.067	2	1.87	0.009	0.06	0.3	0.04	3.4	0.1	<0.05	6	0.7	<0.2
1086662	Soil	6	20	0.27	99	0.046	<1	0.84	0.011	0.04	<0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1086657	Soil	12	33	0.49	111	0.068	2	1.63	0.010	0.09	0.2	0.05	3.1	0.1	<0.05	5	1.6	<0.2
1086655	Soil	9	33	0.49	95	0.068	2	1.58	0.011	0.05	0.1	0.06	2.2	0.1	<0.05	6	0.6	<0.2
1086325	Soil	12	38	0.49	152	0.061	1	1.57	0.008	0.06	0.3	0.07	2.8	0.1	<0.05	6	1.3	<0.2
1086666	Soil	10	39	0.60	90	0.076	2	1.99	0.009	0.07	0.1	0.05	3.1	0.1	<0.05	5	0.7	<0.2
1086656	Soil	8	38	0.57	84	0.081	2	1.77	0.010	0.06	0.1	0.06	2.9	<0.1	<0.05	6	0.8	<0.2
1086660	Soil	13	37	0.74	191	0.054	2	1.50	0.009	0.06	0.4	0.05	3.5	0.2	<0.05	5	0.9	<0.2
1086659	Soil	11	33	0.52	115	0.050	2	1.50	0.010	0.06	0.1	0.04	2.2	0.1	<0.05	6	0.7	<0.2
1086683	Soil	10	39	0.52	120	0.076	2	1.86	0.008	0.08	0.2	0.10	2.7	0.1	<0.05	7	1.0	<0.2
1084576	Soil	10	34	0.42	154	0.097	1	1.49	0.008	0.10	<0.1	0.02	2.6	0.1	<0.05	8	<0.5	<0.2
1086323	Soil	12	45	0.59	162	0.067	2	2.14	0.009	0.07	0.2	0.09	3.1	0.1	<0.05	7	1.7	<0.2
1086324	Soil	14	40	0.55	162	0.073	2	1.71	0.009	0.06	0.4	0.06	3.2	0.1	<0.05	6	1.8	<0.2
1086322	Soil	12	45	0.61	161	0.076	2	2.25	0.010	0.08	0.1	0.07	3.4	0.1	0.06	7	1.8	<0.2
1086339	Soil	23	42	0.77	271	0.053	1	1.85	0.011	0.18	<0.1	<0.01	4.3	0.2	<0.05	6	0.9	<0.2
1086337	Soil	25	31	0.37	168	0.021	2	2.14	0.010	0.10	0.2	0.08	5.0	0.2	<0.05	5	0.7	0.2
1086338	Soil	7	72	1.20	412	0.176	2	2.80	0.014	0.39	0.2	0.02	3.8	0.2	<0.05	8	0.7	<0.2
1086335	Soil	9	48	0.70	137	0.103	1	1.97	0.017	0.08	0.1	0.02	3.8	<0.1	<0.05	8	<0.5	<0.2
1086334	Soil	20	69	0.94	194	0.055	1	2.13	0.011	0.14	<0.1	0.03	4.1	0.1	<0.05	5	1.0	<0.2
1086677	Soil	10	55	0.73	154	0.097	2	2.20	0.016	0.10	0.1	0.02	3.5	0.1	<0.05	5	0.8	<0.2
1086663	Soil	5	16	0.20	78	0.049	2	0.72	0.013	0.04	<0.1	0.05	0.8	<0.1	0.06	5	<0.5	<0.2
1086668	Soil	11	46	0.66	76	0.068	2	2.53	0.011	0.06	0.2	0.10	3.1	0.1	<0.05	6	0.9	<0.2
1086667	Soil	11	40	0.61	112	0.084	1	1.98	0.011	0.08	0.2	0.05	3.3	0.1	<0.05	6	0.6	<0.2
1080470	Soil	16	46	0.77	264	0.078	<1	1.73	0.011	0.19	0.1	<0.01	3.9	0.1	<0.05	6	0.8	<0.2
1086661	Soil	8	28	0.45	159	0.084	1	1.20	0.012	0.05	0.1	0.02	2.2	<0.1	<0.05	6	0.6	<0.2
1086671	Soil	9	37	0.42	71	0.070	1	1.40	0.008	0.05	0.2	0.03	2.0	0.1	<0.05	7	0.9	<0.2
1086672	Soil	11	40	0.67	94	0.088	1	1.96	0.011	0.07	0.2	0.05	3.4	0.1	<0.05	6	0.9	<0.2
1086676	Soil	10	39	0.56	73	0.086	2	1.89	0.008	0.06	0.2	0.06	2.8	0.1	<0.05	8	0.7	<0.2
1086664	Soil	10	38	0.62	92	0.095	1	1.89	0.011	0.08	0.2	0.02	3.2	<0.1	<0.05	6	0.5	<0.2



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Part 1

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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
1086654	Soil	4.4	36.2	8.9	85	0.2	26.0	5.8	150	2.43	11.0	1.7	2.7	0.1	14	0.5	2.6	0.4	94	0.12
1086438	Soil	1.0	36.0	12.9	76	0.4	39.0	12.9	300	2.84	25.0	1.1	8.0	5.4	25	0.1	0.6	0.3	55	0.47
1086434	Soil	1.1	31.4	10.4	69	<0.1	36.1	14.6	305	3.55	14.9	0.6	0.9	3.7	22	0.1	0.8	0.3	69	0.27
1086431	Soil	1.2	37.7	11.3	90	<0.1	55.4	19.9	570	4.18	27.1	0.6	1.7	3.0	30	0.1	0.9	0.2	77	0.53
1086437	Soil	0.6	36.3	10.4	66	0.3	39.7	12.9	365	2.39	22.7	2.1	6.9	4.3	46	0.3	0.4	0.3	43	0.95
1086427	Soil	1.6	35.6	23.2	101	0.3	35.2	11.0	369	3.98	104.8	0.7	6.6	3.1	21	0.3	1.5	0.2	78	0.20
1086430	Soil	0.5	65.2	5.2	68	0.1	144.6	32.4	375	4.30	22.8	0.4	4.4	1.4	31	<0.1	0.7	0.1	100	0.76
1086423	Soil	1.5	41.0	13.3	86	0.2	44.2	17.8	568	3.97	34.3	0.8	10.2	3.5	21	0.3	1.0	0.3	70	0.23
1086422	Soil	1.3	39.1	18.8	75	0.4	33.5	13.9	454	3.59	59.7	0.7	16.6	3.1	21	0.2	1.2	0.3	60	0.19
1086653	Soil	4.0	34.8	16.2	233	<0.1	59.9	10.6	524	3.63	20.6	1.0	2.8	0.7	13	0.7	3.7	0.4	102	0.12
1086428	Soil	2.0	49.7	24.6	139	0.4	45.7	15.9	1287	4.17	259.6	1.3	48.3	3.7	33	0.6	3.2	0.3	67	0.36
1086426	Soil	1.7	44.7	20.7	110	0.7	35.5	10.1	252	3.47	104.9	1.5	33.2	4.6	31	0.2	1.6	0.2	56	0.21
1086429	Soil	0.6	69.1	6.0	73	0.1	143.5	31.5	409	4.34	26.8	0.4	4.7	1.7	31	<0.1	0.8	0.1	98	0.76
1086424	Soil	1.1	41.6	16.1	89	0.4	32.7	11.2	336	3.59	84.4	0.8	41.4	2.6	22	0.2	1.4	0.3	59	0.20
1086425	Soil	2.1	31.5	15.4	76	0.9	28.9	10.4	313	4.33	77.5	0.7	31.2	2.6	19	0.3	1.2	0.3	87	0.17
1086031	Soil	7.5	85.3	17.6	131	1.3	48.7	16.0	428	3.58	129.0	3.7	24.7	4.6	59	1.9	6.0	0.3	78	0.18
1086034	Soil	3.1	64.9	9.7	256	0.3	63.6	18.2	397	2.97	42.3	1.7	7.8	4.6	46	0.9	1.9	0.1	79	0.18
1086027	Soil	3.1	54.2	16.9	117	0.5	39.5	17.7	554	3.52	68.2	1.1	11.1	3.5	39	0.7	1.7	0.2	70	0.19
1086035	Soil	3.9	30.3	11.7	59	0.3	20.3	6.5	144	2.91	23.6	0.7	4.1	2.0	15	0.3	1.5	0.3	99	0.09
1086036	Soil	1.8	52.9	9.7	171	0.4	59.2	20.1	507	3.49	26.7	1.1	3.4	4.6	21	0.7	0.9	0.2	80	0.19
1086029	Soil	2.0	67.1	25.1	161	0.9	61.0	24.6	368	4.33	95.5	1.3	10.6	3.7	22	1.5	2.8	0.2	78	0.19
1086030	Soil	2.4	33.4	13.0	69	0.6	32.3	13.8	374	3.85	34.0	0.9	7.7	2.8	20	0.4	1.4	0.2	86	0.18
1086028	Soil	2.6	48.8	10.6	127	0.6	45.2	17.2	588	3.32	32.7	1.5	7.5	3.1	25	1.1	1.1	0.2	73	0.23
1086026	Soil	1.0	51.9	12.6	117	0.4	58.9	17.4	837	3.86	63.7	0.8	7.5	4.1	45	0.5	1.1	0.2	83	0.86
1086033	Soil	2.0	56.2	15.9	103	0.4	50.8	21.2	529	3.45	42.8	1.6	6.1	4.7	20	0.8	1.5	0.2	73	0.18
1086332	Soil	1.7	46.7	14.3	81	0.1	51.6	19.3	439	4.10	37.5	0.8	7.0	3.8	22	0.4	1.9	0.2	83	0.24
1086340	Soil	1.1	37.9	12.1	73	0.2	43.5	15.4	604	3.40	27.1	1.0	7.7	3.4	25	0.2	1.4	0.3	65	0.43
1086342	Soil	1.1	41.8	11.4	68	0.3	39.1	14.0	467	3.40	69.8	1.0	13.6	2.7	28	0.1	1.7	0.3	62	0.44
1086343	Soil	1.0	33.6	9.7	70	<0.1	66.5	18.3	388	4.02	262.6	0.9	82.3	5.3	16	0.1	5.3	0.2	70	0.35
1086032	Soil	7.8	87.9	18.3	135	1.2	48.1	15.6	429	3.63	131.6	3.8	23.0	4.6	60	1.9	5.7	0.3	78	0.19



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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
1086654	Soil	6	25	0.18	56	0.026	1	0.97	0.008	0.04	0.2	0.09	0.7	0.1	0.09	5	0.6	<0.2
1086438	Soil	13	44	0.72	230	0.090	1	1.88	0.013	0.28	0.3	0.03	3.6	0.2	<0.05	6	<0.5	<0.2
1086434	Soil	9	44	0.82	133	0.108	<1	2.12	0.013	0.25	0.2	<0.01	3.2	0.1	<0.05	7	<0.5	<0.2
1086431	Soil	10	66	1.15	270	0.114	<1	2.29	0.013	0.18	0.2	<0.01	4.3	0.1	<0.05	8	<0.5	<0.2
1086437	Soil	15	38	0.69	202	0.073	<1	1.32	0.016	0.32	0.3	0.03	2.7	0.2	<0.05	5	0.6	<0.2
1086427	Soil	10	40	0.64	178	0.089	<1	1.84	0.008	0.16	0.2	0.01	2.8	0.1	<0.05	7	<0.5	<0.2
1086430	Soil	10	202	2.47	341	0.246	<1	2.86	0.017	0.45	<0.1	<0.01	4.6	0.3	<0.05	8	<0.5	<0.2
1086423	Soil	9	41	0.72	191	0.096	2	2.81	0.013	0.16	0.2	0.03	3.4	0.2	<0.05	7	<0.5	<0.2
1086422	Soil	9	35	0.57	199	0.072	1	1.97	0.011	0.18	0.2	0.02	2.8	0.2	0.08	5	<0.5	<0.2
1086653	Soil	8	34	0.65	84	0.058	1	1.48	0.007	0.05	0.2	0.04	2.0	0.1	<0.05	8	<0.5	<0.2
1086428	Soil	16	45	0.66	628	0.047	<1	2.07	0.010	0.15	0.2	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
1086426	Soil	14	37	0.55	283	0.062	<1	1.30	0.009	0.23	0.2	<0.01	3.1	0.1	0.10	4	1.1	<0.2
1086429	Soil	11	200	2.39	348	0.231	<1	2.98	0.018	0.38	<0.1	<0.01	4.6	0.2	<0.05	9	<0.5	<0.2
1086424	Soil	9	30	0.56	163	0.073	<1	1.63	0.011	0.26	<0.1	<0.01	2.3	0.2	0.11	5	0.5	<0.2
1086425	Soil	10	40	0.56	149	0.079	<1	2.11	0.009	0.11	0.2	0.02	2.9	0.1	<0.05	9	0.6	<0.2
1086031	Soil	16	40	0.58	357	0.071	1	2.03	0.011	0.11	0.3	0.04	4.2	0.1	<0.05	5	2.1	<0.2
1086034	Soil	15	40	0.83	237	0.115	1	2.22	0.009	0.17	0.1	0.04	3.3	0.2	<0.05	6	1.1	<0.2
1086027	Soil	12	38	0.50	240	0.061	1	2.22	0.009	0.08	0.1	0.04	2.8	0.1	<0.05	6	0.8	<0.2
1086035	Soil	9	26	0.25	87	0.061	<1	1.50	0.007	0.05	0.1	0.03	1.8	0.1	<0.05	9	0.6	<0.2
1086036	Soil	12	43	0.80	181	0.122	1	2.73	0.010	0.16	<0.1	0.04	3.5	0.1	<0.05	7	<0.5	<0.2
1086029	Soil	11	46	0.75	243	0.090	1	2.83	0.010	0.09	0.1	0.04	3.6	0.1	<0.05	7	0.7	<0.2
1086030	Soil	9	40	0.55	154	0.092	<1	2.34	0.010	0.06	0.2	0.06	3.0	0.1	<0.05	7	<0.5	<0.2
1086028	Soil	12	40	0.63	370	0.076	1	2.13	0.011	0.09	0.1	0.04	3.2	0.1	<0.05	6	0.8	<0.2
1086026	Soil	19	54	0.99	306	0.092	2	2.23	0.021	0.11	0.2	0.04	5.5	0.1	<0.05	6	0.6	<0.2
1086033	Soil	12	46	0.73	200	0.099	2	2.79	0.012	0.10	0.1	0.05	3.6	0.1	<0.05	7	0.8	<0.2
1086332	Soil	9	45	0.69	466	0.102	2	2.97	0.011	0.15	0.1	0.03	3.6	0.1	<0.05	7	<0.5	<0.2
1086340	Soil	17	41	0.82	268	0.087	2	2.50	0.013	0.12	0.2	0.04	4.0	0.2	<0.05	6	<0.5	<0.2
1086342	Soil	16	42	0.75	238	0.052	<1	2.21	0.011	0.10	0.1	0.03	3.6	0.1	<0.05	7	<0.5	<0.2
1086343	Soil	20	102	1.50	256	0.117	<1	2.67	0.011	0.34	0.1	0.01	5.2	0.2	<0.05	9	0.6	<0.2
1086032	Soil	16	39	0.56	375	0.066	2	1.87	0.011	0.11	0.3	0.04	4.1	0.1	<0.05	5	1.7	<0.2



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Vancouver BC V6C 1H2 Canada

Project: PLU
Report Date: August 06, 2011

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CERTIFICATE OF ANALYSIS

WHI11000714.1

	Method	Analyte	Unit	MDL	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
1086042	Soil																							
1086435	Soil																							
1086436	Soil																							
1086333	Soil																							
1086341	Soil																							
1086040	Soil																							
1086039	Soil																							
1086041	Soil																							
1086432	Soil																							
1086433	Soil																							
1086045	Soil																							
1086044	Soil																							
1086046	Soil																							
1086043	Soil																							
1086038	Soil																							
1085103	Soil																							
1085102	Soil																							
1085101	Soil																							
1085113	Soil																							
1085117	Soil																							
1085112	Soil																							
1085107	Soil																							
1085105	Soil																							
1085106	Soil																							
1085104	Soil																							
1086037	Soil																							
1085109	Soil																							
1085110	Soil																							
1085111	Soil																							
1085108	Soil																							



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CERTIFICATE OF ANALYSIS

WHI11000714.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1086042	Soil	17	47	0.74	349	0.104	2	2.27	0.037	0.20	0.2	0.03	3.4	0.2	0.26	7	2.3	<0.2
1086435	Soil	19	56	0.86	193	0.125	1	1.96	0.019	0.31	0.2	0.02	5.2	0.2	<0.05	7	0.5	<0.2
1086436	Soil	18	70	1.25	159	0.186	1	2.52	0.025	0.87	0.2	0.01	6.2	0.4	<0.05	9	<0.5	<0.2
1086333	Soil	9	42	0.61	131	0.076	1	2.71	0.009	0.09	0.2	0.05	3.2	<0.1	<0.05	6	<0.5	<0.2
1086341	Soil	4	5	0.08	53	0.033	<1	0.44	0.025	0.03	<0.1	0.01	0.5	<0.1	<0.05	2	0.5	<0.2
1086040	Soil	17	56	0.92	302	0.128	1	2.22	0.008	0.27	0.2	0.03	4.8	0.2	<0.05	7	0.6	<0.2
1086039	Soil	17	43	0.79	267	0.086	2	1.66	0.011	0.17	0.2	0.04	4.3	0.1	<0.05	5	<0.5	<0.2
1086041	Soil	5	80	1.04	228	0.174	2	1.74	0.011	0.08	0.1	0.03	2.4	<0.1	<0.05	6	1.2	<0.2
1086432	Soil	17	39	1.22	546	0.060	2	2.30	0.023	0.10	0.2	0.03	4.9	0.1	<0.05	7	1.0	<0.2
1086433	Soil	9	36	0.75	142	0.082	1	1.93	0.010	0.18	0.2	0.01	2.8	0.1	<0.05	7	<0.5	<0.2
1086045	Soil	8	50	0.90	147	0.153	1	1.95	0.010	0.20	0.1	<0.01	3.6	0.1	<0.05	8	<0.5	<0.2
1086044	Soil	14	50	0.81	259	0.106	2	1.79	0.012	0.15	0.2	0.03	4.1	0.2	<0.05	5	1.5	<0.2
1086046	Soil	15	56	0.98	309	0.137	1	2.14	0.013	0.26	0.1	0.01	4.9	0.2	<0.05	7	0.7	<0.2
1086043	Soil	10	35	0.51	177	0.089	1	1.73	0.012	0.12	0.2	0.03	2.6	0.1	<0.05	5	1.4	<0.2
1086038	Soil	15	45	1.42	369	0.121	<1	1.76	0.008	0.31	0.4	0.02	4.2	0.3	<0.05	6	0.6	<0.2
1085103	Soil	9	36	0.53	146	0.066	1	1.93	0.008	0.06	0.1	0.04	2.2	0.1	<0.05	7	0.9	<0.2
1085102	Soil	8	27	0.33	126	0.071	<1	1.48	0.008	0.06	0.1	0.03	2.1	0.1	<0.05	6	<0.5	<0.2
1085101	Soil	11	33	0.47	121	0.085	2	1.89	0.008	0.11	0.1	0.02	2.8	0.1	<0.05	6	0.8	<0.2
1085113	Soil	9	31	0.38	265	0.032	<1	1.15	0.011	0.10	<0.1	0.04	1.6	<0.1	<0.05	4	1.2	<0.2
1085117	Soil	5	14	0.16	72	0.039	1	0.56	0.012	0.04	<0.1	0.05	0.8	<0.1	<0.05	3	0.6	<0.2
1085112	Soil	9	28	0.24	178	0.054	<1	1.31	0.006	0.07	0.1	0.04	2.1	0.1	<0.05	7	0.6	<0.2
1085107	Soil	10	21	0.24	87	0.037	2	0.96	0.006	0.05	0.1	0.04	2.3	<0.1	<0.05	3	1.2	<0.2
1085105	Soil	8	25	0.31	149	0.062	<1	1.31	0.008	0.08	0.1	0.03	2.0	0.1	<0.05	5	0.6	<0.2
1085106	Soil	11	24	0.30	173	0.061	<1	1.17	0.009	0.07	0.1	0.08	2.0	0.1	<0.05	4	1.0	<0.2
1085104	Soil	9	39	0.50	154	0.067	1	1.91	0.008	0.07	0.1	0.10	2.2	0.1	<0.05	7	0.6	<0.2
1086037	Soil	6	20	0.20	78	0.098	<1	0.95	0.007	0.04	0.1	0.03	1.3	<0.1	<0.05	7	<0.5	<0.2
1085109	Soil	9	15	0.17	185	0.019	<1	0.81	0.004	0.08	<0.1	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
1085110	Soil	10	41	0.47	149	0.069	1	2.02	0.006	0.05	0.1	0.05	2.8	0.1	<0.05	8	1.1	<0.2
1085111	Soil	13	29	0.30	292	0.049	<1	1.32	0.007	0.10	0.1	0.03	2.4	0.1	<0.05	5	1.2	<0.2
1085108	Soil	8	20	0.25	162	0.037	<1	1.15	0.005	0.05	<0.1	0.04	2.0	0.1	<0.05	3	0.6	<0.2



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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
1085045	Soil	0.1	12.8	0.5	17	<0.1	2.5	3.3	76	0.92	1.0	<0.1	1.1	0.1	10	<0.1	<0.1	<0.1	34	0.16
1085046	Soil	0.1	9.1	0.9	14	<0.1	1.8	3.3	73	0.91	0.6	<0.1	<0.5	<0.1	11	<0.1	<0.1	<0.1	34	0.17
1085049	Soil	1.9	29.4	8.1	43	0.2	17.9	6.7	195	2.41	24.7	0.5	7.5	1.1	13	0.1	0.7	0.2	60	0.10
1085047	Soil	1.0	26.2	4.1	42	0.3	18.1	7.3	229	2.25	15.3	0.5	2.9	0.6	20	<0.1	0.5	0.1	55	0.25
1085048	Soil	1.7	45.3	11.5	95	0.7	40.7	16.3	542	3.81	45.9	1.1	14.2	2.4	13	0.1	0.8	0.3	70	0.14
1086018	Soil	0.9	41.4	12.9	96	0.1	46.5	18.0	258	4.06	33.9	0.9	5.0	8.8	43	0.3	0.8	0.2	70	0.68
1086021	Soil	0.6	66.6	6.1	88	0.1	105.9	30.2	250	4.27	10.4	0.7	2.1	4.3	30	0.1	0.1	<0.1	111	0.81
1086020	Soil	0.5	39.1	8.4	80	0.1	27.8	7.3	277	2.18	9.7	1.0	2.2	2.6	47	0.3	0.4	0.1	43	1.21
1085043	Soil	2.3	45.0	13.3	90	0.2	33.7	12.1	397	3.62	17.8	0.9	2.6	1.2	18	0.3	0.8	0.2	78	0.16
1085044	Soil	1.9	52.1	13.9	99	0.1	44.9	20.6	726	4.06	39.6	1.0	8.5	2.0	15	0.2	0.8	0.3	81	0.13
1086017	Soil	0.6	39.0	9.1	56	0.1	24.4	8.6	213	2.56	14.0	1.3	1.7	2.4	41	0.2	0.5	0.2	49	1.35
1086015	Soil	1.2	21.7	10.2	96	0.1	15.6	17.2	879	4.59	28.6	1.7	2.4	6.1	38	0.3	0.5	0.1	83	0.44
1086013	Soil	1.2	27.5	21.2	116	0.5	24.0	18.0	708	4.82	60.9	2.1	39.6	8.2	56	0.5	0.9	0.2	75	0.44
1086016	Soil	1.1	35.6	6.5	82	0.2	17.9	9.6	675	2.19	11.4	1.2	3.2	1.1	64	0.5	0.7	0.1	40	1.71
1086014	Soil	1.8	31.5	26.4	93	0.2	17.5	18.8	904	6.90	64.8	2.5	5.5	8.3	61	0.2	0.9	0.5	81	0.16
1085116	Soil	1.9	39.6	4.8	25	0.9	12.2	12.1	440	1.57	27.2	1.4	8.7	<0.1	24	0.6	0.5	0.1	37	0.34
1085118	Soil	0.8	28.7	2.6	37	0.4	12.0	9.5	544	1.35	10.9	1.0	5.5	0.3	18	0.8	0.3	<0.1	43	0.25
1085120	Soil	1.3	53.2	5.4	66	0.6	22.7	17.3	2080	2.04	28.9	1.5	9.3	0.8	28	0.9	0.7	<0.1	38	0.43
1085115	Soil	0.5	20.2	2.2	22	0.3	8.5	9.5	339	1.11	8.6	0.6	5.5	<0.1	15	0.1	0.2	<0.1	28	0.16
1085114	Soil	1.5	42.6	7.9	72	0.6	33.5	12.9	366	2.30	49.9	0.9	9.7	0.6	22	0.3	0.7	0.1	59	0.25
1086025	Soil	1.4	124.7	16.5	147	1.3	63.7	21.6	339	3.68	60.9	1.6	31.9	7.4	43	0.8	1.7	0.3	73	0.61
1085039	Soil	1.4	47.0	11.2	83	0.2	40.1	21.9	462	3.48	37.7	1.0	8.0	3.1	22	0.4	1.2	0.2	72	0.17
1086024	Soil	1.4	102.6	15.2	135	1.0	58.8	20.9	354	3.77	73.6	1.5	23.1	7.5	39	0.6	1.8	0.3	67	0.53
1086023	Soil	1.5	64.0	10.7	84	0.3	43.9	16.1	415	3.28	31.2	1.4	8.0	4.8	27	0.6	0.5	0.2	67	0.16
1085040	Soil	1.6	40.4	10.9	86	0.2	30.8	14.9	316	3.16	30.3	1.1	5.1	2.6	23	0.3	1.3	0.2	68	0.19
1085050	Soil	1.7	36.3	11.2	62	0.1	30.0	12.9	397	3.12	50.6	0.8	7.4	2.9	14	0.2	1.0	0.2	63	0.13
1086022	Soil	1.4	43.1	13.7	79	0.1	42.8	16.0	537	3.38	19.9	0.8	5.0	4.0	28	0.3	0.5	0.2	69	0.30
1085042	Soil	2.4	61.7	14.4	98	0.2	39.7	14.0	281	3.42	21.4	1.5	3.9	1.0	18	0.2	1.1	0.3	71	0.11
1085041	Soil	2.1	55.6	12.4	93	0.2	37.5	16.9	549	3.42	18.2	1.3	4.3	1.3	18	0.2	1.0	0.2	74	0.16
1086019	Soil	1.0	15.8	14.4	47	0.1	17.0	8.0	135	3.73	36.7	1.2	8.0	7.5	30	<0.1	0.7	0.3	48	0.37



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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
1085045	Soil	3	3	0.07	21	0.052	<1	0.24	0.013	0.02	<0.1	0.02	0.2	<0.1	<0.05	2	<0.5
1085046	Soil	3	3	0.06	16	0.055	<1	0.19	0.013	0.02	<0.1	0.01	0.2	<0.1	<0.05	2	<0.5
1085049	Soil	10	22	0.26	113	0.054	<1	0.94	0.009	0.08	<0.1	0.04	1.4	0.2	<0.05	5	<0.5
1085047	Soil	8	23	0.31	100	0.070	<1	0.91	0.013	0.10	<0.1	0.05	1.5	0.1	<0.05	4	<0.5
1085048	Soil	12	49	0.67	179	0.097	<1	1.99	0.008	0.28	0.1	0.05	3.6	0.3	<0.05	6	0.9
1086018	Soil	32	65	0.96	158	0.127	<1	2.00	0.015	0.18	0.1	0.03	6.5	0.2	<0.05	7	1.2
1086021	Soil	17	189	2.50	146	0.184	<1	2.80	0.018	0.46	0.1	<0.01	6.2	0.3	<0.05	11	0.7
1086020	Soil	19	29	0.54	88	0.054	1	1.27	0.011	0.09	0.1	0.05	3.3	0.1	0.06	4	0.7
1085043	Soil	10	37	0.45	163	0.085	<1	1.42	0.007	0.20	<0.1	0.03	2.0	0.2	<0.05	6	0.8
1085044	Soil	11	48	0.62	157	0.099	1	2.02	0.008	0.25	0.2	0.03	3.3	0.2	<0.05	7	0.7
1086017	Soil	16	36	0.53	100	0.062	3	1.38	0.012	0.08	0.2	0.03	3.4	0.1	0.07	4	0.7
1086015	Soil	30	21	0.63	121	0.156	<1	1.68	0.035	0.27	0.2	0.04	7.0	0.2	0.10	6	0.6
1086013	Soil	34	29	0.68	162	0.156	2	1.74	0.041	0.38	0.2	0.02	7.9	0.3	0.22	5	<0.5
1086016	Soil	16	20	0.45	112	0.055	3	1.22	0.022	0.08	0.1	0.05	2.6	0.1	0.25	4	<0.5
1086014	Soil	24	22	0.73	101	0.157	1	2.01	0.054	0.36	0.3	0.01	6.6	0.3	0.35	7	<0.5
1085116	Soil	7	11	0.10	106	0.015	2	0.55	0.019	0.03	<0.1	0.10	0.6	<0.1	0.15	1	0.9
1085118	Soil	6	13	0.19	85	0.054	1	0.53	0.029	0.05	<0.1	0.05	1.2	<0.1	0.08	3	<0.5
1085120	Soil	10	25	0.37	147	0.042	2	1.01	0.022	0.04	<0.1	0.07	1.9	<0.1	0.13	3	0.8
1085115	Soil	3	9	0.12	50	0.031	<1	0.44	0.026	0.03	<0.1	0.03	0.5	<0.1	0.06	2	0.6
1085114	Soil	9	24	0.32	107	0.063	1	0.90	0.020	0.08	<0.1	0.04	1.5	<0.1	0.07	4	<0.5
1086025	Soil	27	60	0.86	687	0.122	2	2.64	0.012	0.18	0.2	0.08	7.4	0.2	<0.05	8	0.8
1085039	Soil	12	45	0.67	126	0.112	2	2.25	0.012	0.07	0.1	0.05	3.4	0.2	<0.05	6	0.6
1086024	Soil	26	55	0.86	617	0.124	2	2.38	0.012	0.16	0.2	0.06	6.5	0.2	<0.05	8	0.9
1086023	Soil	15	41	0.62	558	0.110	1	2.06	0.013	0.10	0.1	0.03	4.0	0.1	<0.05	5	0.6
1085040	Soil	13	35	0.41	163	0.087	2	1.33	0.009	0.09	0.1	0.05	2.6	0.1	<0.05	5	0.6
1085050	Soil	11	34	0.51	120	0.092	1	1.91	0.010	0.11	<0.1	0.03	3.1	0.1	<0.05	6	<0.5
1086022	Soil	13	47	0.81	755	0.121	2	1.94	0.017	0.14	0.1	0.02	3.8	0.1	<0.05	7	0.6
1085042	Soil	10	33	0.43	202	0.069	1	1.38	0.009	0.18	<0.1	0.06	2.3	0.2	0.06	5	0.8
1085041	Soil	10	38	0.48	219	0.086	1	1.59	0.011	0.20	<0.1	0.06	2.5	0.2	0.06	6	0.6
1086019	Soil	23	30	0.63	112	0.073	1	1.69	0.010	0.10	0.1	0.03	3.5	0.2	0.06	5	<0.5



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Part 1

QUALITY CONTROL REPORT

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	Method Analyte	1DX15																		
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	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																				
1085093	Soil	2.2	35.1	7.1	142	0.3	37.9	9.6	355	2.54	15.2	1.3	1.6	1.0	16	0.8	1.9	0.2	81	0.23
REP 1085093	QC	2.0	35.4	6.9	140	0.3	38.3	9.6	340	2.53	14.7	1.3	5.1	0.9	16	0.8	2.1	0.1	80	0.23
1038541	Soil	2.6	84.1	116.3	296	0.4	49.6	12.8	1132	3.90	22.3	2.2	1.0	2.4	14	1.2	2.6	0.2	111	0.24
REP 1038541	QC	2.3	84.5	113.3	293	0.4	48.9	12.7	1146	3.86	22.3	2.1	2.1	2.3	14	1.1	2.7	0.2	110	0.25
1086130	Soil	1.7	28.9	11.6	77	0.2	27.3	10.4	251	2.54	15.5	0.7	4.1	4.4	23	0.2	0.6	0.2	58	0.39
REP 1086130	QC	1.8	28.5	10.9	78	0.2	27.3	9.7	248	2.47	15.7	0.7	2.9	4.4	24	0.2	0.4	0.2	58	0.38
1086142	Soil	3.8	42.7	11.2	83	0.5	21.6	9.6	322	3.21	10.6	2.0	2.2	1.2	28	0.8	0.7	0.2	117	0.22
REP 1086142	QC	3.6	45.4	11.5	86	0.6	23.9	10.0	341	3.39	10.9	2.1	<0.5	1.2	30	0.8	0.7	0.2	119	0.24
1085126	Soil	0.8	33.3	5.1	36	0.3	16.9	10.3	265	2.31	3.0	0.6	0.9	1.0	16	0.2	0.2	0.2	47	0.22
REP 1085126	QC	0.9	32.5	5.0	36	0.3	17.2	9.6	258	2.20	3.1	0.7	1.3	0.9	16	0.1	0.2	0.2	47	0.21
1084553	Soil	2.7	72.5	15.4	119	0.2	44.0	16.7	574	4.07	67.5	2.3	7.6	5.7	20	0.8	6.4	0.2	70	0.23
REP 1084553	QC	2.8	73.3	16.1	119	0.3	44.7	16.9	571	3.98	68.9	2.3	5.3	5.7	19	0.8	6.7	0.2	70	0.23
1086348	Soil	1.0	38.6	7.0	50	0.4	24.5	10.5	398	2.35	53.1	2.0	17.7	1.0	50	0.3	1.2	0.2	40	0.92
REP 1086348	QC	0.9	39.3	7.2	49	0.4	24.5	10.8	402	2.41	54.2	2.0	19.9	1.0	50	0.2	1.3	0.2	41	0.97
1086673	Soil	1.2	46.2	8.2	111	0.1	44.1	14.5	460	2.75	15.0	1.2	3.3	3.5	18	0.8	2.2	0.1	83	0.26
REP 1086673	QC	1.3	45.9	8.4	112	<0.1	43.5	14.6	461	2.76	15.2	1.2	3.6	3.5	18	0.7	2.1	0.2	84	0.27
1080467	Soil	0.9	34.9	10.0	66	<0.1	42.5	14.3	462	3.43	11.5	0.8	<0.5	5.6	28	<0.1	0.7	0.2	68	0.37
REP 1080467	QC	0.9	34.7	10.1	66	<0.1	41.7	14.9	471	3.42	11.1	0.8	<0.5	5.6	29	0.1	0.7	0.2	68	0.37
1086667	Soil	1.1	59.6	7.8	86	0.2	36.2	10.9	414	2.95	16.0	1.0	1.4	2.2	16	0.4	2.0	0.1	75	0.26
REP 1086667	QC	1.2	61.3	8.0	84	0.2	35.8	10.8	399	2.86	15.7	1.0	2.6	2.1	16	0.3	2.1	0.2	73	0.26
1086027	Soil	3.1	54.2	16.9	117	0.5	39.5	17.7	554	3.52	68.2	1.1	11.1	3.5	39	0.7	1.7	0.2	70	0.19
REP 1086027	QC	3.3	54.5	16.8	117	0.5	41.0	18.1	574	3.71	66.7	1.1	11.9	3.2	39	0.6	1.6	0.2	72	0.20
1086033	Soil	2.0	56.2	15.9	103	0.4	50.8	21.2	529	3.45	42.8	1.6	6.1	4.7	20	0.8	1.5	0.2	73	0.18
REP 1086033	QC	1.8	51.6	15.2	97	0.4	47.5	20.5	504	3.27	39.7	1.7	5.6	4.5	20	0.9	1.6	0.2	73	0.17
1085103	Soil	2.3	43.2	12.9	93	0.1	33.1	15.5	688	3.78	64.4	0.9	3.7	1.2	15	0.3	1.5	0.2	77	0.13
REP 1085103	QC	2.3	43.8	13.2	93	0.2	35.0	15.1	701	3.72	65.3	1.0	4.6	1.3	16	0.2	1.4	0.2	76	0.14
1085104	Soil	2.1	36.9	12.3	86	0.4	31.7	14.7	549	3.63	65.5	1.0	7.2	0.9	15	0.4	1.3	0.2	74	0.16
REP 1085104	QC	2.0	36.5	11.9	84	0.5	33.1	15.7	551	3.63	66.3	1.0	5.4	0.9	16	0.4	1.4	0.2	76	0.18



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Part 2

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
		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																		
1085093	Soil	9	32	0.45	103	0.053	<1	1.51	0.011	0.06	0.1	0.05	1.8	<0.1	0.06	5	<0.5	<0.2
REP 1085093	QC	9	33	0.46	103	0.055	<1	1.56	0.009	0.06	0.2	0.05	1.9	<0.1	0.07	5	0.9	<0.2
1038541	Soil	12	38	0.44	230	0.069	<1	2.00	0.006	0.04	0.3	0.06	3.1	0.1	<0.05	7	1.0	<0.2
REP 1038541	QC	12	37	0.44	227	0.069	1	2.01	0.006	0.04	0.3	0.07	3.0	<0.1	0.05	7	0.8	<0.2
1086130	Soil	12	36	0.56	170	0.097	1	1.61	0.014	0.14	0.3	0.01	2.9	0.2	<0.05	5	<0.5	<0.2
REP 1086130	QC	11	35	0.54	168	0.092	2	1.55	0.014	0.13	0.2	0.02	2.9	0.1	<0.05	5	<0.5	<0.2
1086142	Soil	11	35	0.49	126	0.079	1	1.72	0.012	0.09	0.1	0.03	2.2	0.1	0.06	7	1.0	<0.2
REP 1086142	QC	11	36	0.52	131	0.085	2	1.73	0.013	0.10	0.2	0.03	2.3	0.1	0.07	8	1.2	<0.2
1085126	Soil	8	23	0.41	82	0.065	2	1.08	0.016	0.25	<0.1	0.05	1.6	0.1	0.08	4	<0.5	<0.2
REP 1085126	QC	7	22	0.42	83	0.062	2	1.07	0.016	0.25	<0.1	0.04	1.6	0.1	0.09	4	0.6	<0.2
1084553	Soil	22	33	0.37	308	0.049	<1	1.38	0.007	0.12	0.2	0.02	2.3	0.1	0.08	4	2.3	<0.2
REP 1084553	QC	22	32	0.37	308	0.046	<1	1.36	0.007	0.12	0.2	0.02	2.1	0.1	0.05	4	2.5	<0.2
1086348	Soil	36	24	0.58	183	0.038	2	1.81	0.026	0.14	<0.1	0.05	2.6	<0.1	0.09	5	<0.5	<0.2
REP 1086348	QC	37	25	0.58	187	0.040	2	1.87	0.026	0.15	<0.1	0.06	2.7	0.1	0.09	5	<0.5	<0.2
1086673	Soil	12	39	0.64	111	0.088	<1	1.90	0.012	0.08	0.2	0.03	3.1	0.1	<0.05	5	<0.5	<0.2
REP 1086673	QC	12	41	0.64	110	0.090	<1	1.95	0.013	0.09	0.2	0.04	3.2	0.1	<0.05	5	<0.5	<0.2
1080467	Soil	15	57	1.00	218	0.144	2	2.12	0.026	0.41	0.1	0.02	6.2	0.2	<0.05	7	0.6	<0.2
REP 1080467	QC	15	59	1.00	213	0.146	2	2.23	0.027	0.38	0.1	0.02	6.3	0.2	<0.05	7	<0.5	<0.2
1086667	Soil	11	40	0.61	112	0.084	1	1.98	0.011	0.08	0.2	0.05	3.3	0.1	<0.05	6	0.6	<0.2
REP 1086667	QC	11	38	0.60	111	0.083	2	1.93	0.012	0.07	0.2	0.04	3.2	0.1	<0.05	6	0.9	<0.2
1086027	Soil	12	38	0.50	240	0.061	1	2.22	0.009	0.08	0.1	0.04	2.8	0.1	<0.05	6	0.8	<0.2
REP 1086027	QC	11	39	0.50	232	0.060	2	2.21	0.009	0.08	0.2	0.04	2.8	0.1	<0.05	6	0.8	<0.2
1086033	Soil	12	46	0.73	200	0.099	2	2.79	0.012	0.10	0.1	0.05	3.6	0.1	<0.05	7	0.8	<0.2
REP 1086033	QC	12	43	0.71	213	0.097	2	2.81	0.012	0.10	0.1	0.04	3.4	0.1	<0.05	6	0.7	<0.2
1085103	Soil	9	36	0.53	146	0.066	1	1.93	0.008	0.06	0.1	0.04	2.2	0.1	<0.05	7	0.9	<0.2
REP 1085103	QC	9	37	0.53	144	0.067	1	1.94	0.008	0.06	0.1	0.02	2.4	<0.1	<0.05	7	1.2	<0.2
1085104	Soil	9	39	0.50	154	0.067	1	1.91	0.008	0.07	0.1	0.10	2.2	0.1	<0.05	7	0.6	<0.2
REP 1085104	QC	9	39	0.50	155	0.068	2	1.88	0.008	0.07	0.1	0.05	2.4	0.1	<0.05	7	0.6	<0.2



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Part 1

QUALITY CONTROL REPORT

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		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
1086024	Soil	1.4	102.6	15.2	135	1.0	58.8	20.9	354	3.77	73.6	1.5	23.1	7.5	39	0.6	1.8	0.3	67	0.53	0.074
REP 1086024	QC	1.4	102.6	15.2	135	1.0	60.8	21.1	352	3.81	73.3	1.5	25.9	7.3	39	0.6	1.8	0.3	69	0.54	0.075
Reference Materials																					
STD DS8	Standard	13.7	110.8	132.0	330	1.8	38.8	7.5	620	2.52	26.7	2.7	129.7	6.7	64	2.3	5.7	6.3	43	0.69	0.082
STD DS8	Standard	13.2	107.1	125.4	308	1.9	36.4	7.2	592	2.50	25.5	2.5	118.8	6.5	68	2.4	6.0	7.1	42	0.71	0.079
STD DS8	Standard	12.3	104.7	122.1	318	1.6	35.5	6.9	615	2.46	27.2	2.7	111.0	6.7	68	2.3	6.1	7.1	41	0.70	0.083
STD DS8	Standard	13.2	111.2	130.4	323	1.9	36.7	7.5	612	2.46	26.4	2.9	110.7	7.1	74	2.4	6.4	7.0	40	0.70	0.080
STD DS8	Standard	13.4	109.0	128.2	318	1.8	40.3	7.4	606	2.52	26.2	2.6	119.1	6.9	67	2.4	5.4	6.4	41	0.72	0.076
STD DS8	Standard	12.8	110.8	122.9	309	1.7	38.8	7.7	601	2.42	26.7	2.7	115.9	6.6	62	2.3	5.3	6.2	43	0.67	0.075
STD DS8	Standard	13.3	116.0	119.3	309	1.8	39.9	7.8	609	2.47	26.1	2.7	103.4	6.6	66	2.2	6.0	6.4	42	0.67	0.078
STD DS8	Standard	12.9	110.1	125.3	297	1.8	37.5	7.6	618	2.37	29.0	2.4	113.7	6.7	62	2.3	5.5	6.1	39	0.68	0.074
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	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
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	1.8	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te 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
1086024	Soil	26	55	0.86	617	0.124	2	2.38	0.012	0.16	0.2	0.06	6.5	0.2	<0.05	8	0.9	<0.2
REP 1086024	QC	26	56	0.85	617	0.126	2	2.39	0.012	0.16	0.2	0.06	6.6	0.2	<0.05	8	0.9	<0.2
Reference Materials																		
STD DS8	Standard	14	119	0.63	281	0.109	2	0.92	0.088	0.42	3.3	0.22	1.9	5.5	0.17	5	5.7	4.8
STD DS8	Standard	14	113	0.62	287	0.110	4	0.89	0.094	0.45	2.8	0.19	2.5	5.6	0.16	5	5.0	5.0
STD DS8	Standard	15	114	0.61	291	0.113	2	0.92	0.093	0.42	3.1	0.21	2.2	5.7	0.18	5	5.4	5.1
STD DS8	Standard	16	114	0.63	288	0.117	3	0.94	0.092	0.43	3.1	0.20	2.0	5.5	0.15	5	4.6	4.9
STD DS8	Standard	16	114	0.58	280	0.118	3	0.93	0.095	0.42	3.0	0.21	2.3	5.8	0.17	5	6.4	4.9
STD DS8	Standard	14	119	0.54	272	0.114	4	0.86	0.088	0.42	3.0	0.22	2.0	5.3	0.17	5	6.1	4.4
STD DS8	Standard	15	121	0.61	267	0.128	3	0.92	0.083	0.41	2.8	0.18	2.0	5.3	0.18	5	5.5	5.1
STD DS8	Standard	13	117	0.52	280	0.115	2	0.86	0.079	0.40	3.0	0.21	1.9	5.4	0.06	4	5.0	5.2
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	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	<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



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Client:

Ryan Gold Corp.

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Vancouver BC V6C 1H2 Canada

Submitted By: Mike Skead

Receiving Lab: Canada-Whitehorse

Received: July 15, 2011

Report Date: August 08, 2011

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CERTIFICATE OF ANALYSIS

WHI11000715.1

CLIENT JOB INFORMATION

Project: PLU
Shipment ID:
P.O. Number
Number of Samples: 219

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	219	Dry at 60C			VAN
SS80	219	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	219	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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Part 1

CERTIFICATE OF ANALYSIS

WHI11000715.1

	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
1084526	Soil	1.4	54.7	21.8	106	0.4	47.5	16.5	546	3.55	41.1	1.5	14.7	5.4	35	0.4	0.6	0.3	77	0.56	0.085
1084532	Soil	1.2	37.5	22.3	95	0.1	45.1	16.2	527	3.55	63.3	1.6	4.7	4.3	34	0.9	0.5	0.3	77	0.71	0.049
1084525	Soil	0.9	55.6	19.9	103	0.9	49.9	16.7	584	3.51	46.7	1.1	20.4	4.9	53	0.4	0.6	0.2	68	2.09	0.081
1084523	Soil	2.4	62.2	201.1	261	0.7	49.0	13.8	646	3.55	46.7	1.3	16.4	4.2	33	2.6	0.9	0.4	88	0.48	0.087
1084522	Soil	3.0	90.6	35.7	238	1.0	63.9	18.3	593	3.26	33.4	1.7	6.4	3.5	34	1.7	1.4	0.2	101	0.56	0.124
1084528	Soil	0.5	51.7	4.9	50	0.2	19.4	11.0	479	1.70	12.0	0.4	1.8	0.8	42	0.4	0.2	0.1	41	0.89	0.068
1084530	Soil	1.2	33.7	14.3	87	0.1	45.3	16.9	422	3.51	36.0	0.6	2.3	5.5	26	0.8	0.6	0.3	72	0.37	0.037
1084535	Soil	1.0	33.3	22.3	96	0.2	40.8	14.5	424	3.17	36.4	0.7	2.6	5.1	44	0.7	0.5	0.2	62	0.89	0.047
1084533	Soil	0.9	49.3	25.4	100	0.4	47.6	16.1	497	3.39	49.5	1.6	6.2	5.2	40	0.9	0.4	0.2	64	0.80	0.049
1084529	Soil	1.2	42.9	18.4	96	0.3	68.7	21.4	528	4.27	62.4	0.9	3.1	8.2	26	0.3	0.5	0.3	85	0.45	0.047
1085119	Soil	1.0	23.0	5.4	80	0.4	17.6	8.1	354	2.10	20.0	0.8	7.7	1.4	20	0.4	0.4	0.1	57	0.29	0.071
1085121	Soil	0.9	23.6	2.4	29	0.3	7.4	24.8	1046	2.47	11.1	0.5	3.2	0.6	18	0.4	0.3	<0.1	58	0.30	0.081
1084531	Soil	0.2	7.5	1.0	20	0.2	2.8	2.4	90	0.75	1.3	0.6	<0.5	<0.1	30	0.4	<0.1	<0.1	30	0.58	0.019
1084527	Soil	1.6	121.4	56.8	191	1.0	80.2	28.7	1265	5.29	87.2	1.4	27.1	8.3	58	0.6	1.0	0.2	143	2.03	0.046
1084534	Soil	0.9	35.5	28.0	96	0.4	37.7	12.3	426	2.69	52.0	0.8	12.4	3.8	57	0.9	0.5	0.2	54	1.33	0.062
1081301	Soil	2.7	59.4	14.9	207	1.2	57.7	27.8	745	4.21	25.2	0.9	4.1	3.6	17	1.0	0.5	0.2	81	0.15	0.084
1081305	Soil	3.3	44.2	14.3	64	1.1	23.4	5.6	162	3.34	59.4	1.0	2.0	2.1	23	0.5	1.5	0.2	63	0.07	0.084
1081309	Soil	2.6	38.0	23.0	87	1.0	33.7	12.6	259	3.77	17.6	0.6	3.1	3.2	22	0.6	0.8	0.3	85	0.20	0.045
1081311	Soil	2.0	36.7	31.9	145	0.3	38.0	15.6	352	4.08	21.2	1.4	3.6	5.1	23	1.1	0.7	0.4	80	0.26	0.035
1081302	Soil	2.1	37.7	15.8	78	0.6	30.2	14.2	372	3.52	26.6	0.7	1.8	3.1	24	0.5	0.8	0.3	85	0.22	0.032
1081316	Soil	0.7	53.9	14.6	159	<0.1	160.9	36.2	743	7.26	25.9	1.3	<0.5	9.0	38	<0.1	0.3	0.2	142	0.73	0.058
1084521	Soil	3.2	91.6	33.1	200	0.8	79.6	19.6	619	3.96	79.3	1.5	25.1	4.9	35	1.5	0.9	0.3	107	0.40	0.115
1081314	Soil	1.8	57.2	13.6	115	<0.1	47.0	16.7	613	3.78	37.8	1.3	4.3	6.2	17	0.3	0.5	0.3	65	0.22	0.068
1081318	Soil	2.4	51.4	76.5	145	0.6	51.5	17.1	537	3.90	27.3	1.4	9.9	4.9	31	1.7	0.7	0.2	95	0.58	0.182
1081320	Soil	2.5	47.6	114.2	226	0.4	56.3	16.9	507	3.78	30.5	1.1	4.2	4.4	27	1.7	0.9	0.2	94	0.34	0.093
1084524	Soil	1.0	70.0	18.4	108	0.3	55.2	21.8	543	4.41	55.0	1.0	17.6	7.0	29	0.4	0.5	0.2	82	0.43	0.059
1081317	Soil	5.0	223.3	35.2	209	3.6	84.0	26.6	1535	5.37	47.2	7.3	12.4	6.6	31	1.4	1.0	0.4	119	0.31	0.097
1081315	Soil	1.4	39.8	15.5	112	0.3	55.5	20.0	506	4.24	24.3	0.9	5.9	5.7	31	0.3	0.5	0.3	85	0.45	0.067
1081313	Soil	0.9	86.3	17.9	826	0.1	78.7	28.8	1035	6.03	57.7	2.3	2.6	10.5	35	2.1	0.5	0.7	118	0.54	0.079
1081319	Soil	2.7	49.1	65.6	138	0.6	48.8	15.6	491	3.78	26.3	1.3	3.4	4.2	30	1.7	0.7	0.2	93	0.54	0.156



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000715.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1084526	Soil	18	59	0.96	344	0.121	3	2.14	0.028	0.27	0.3	0.02	6.5	0.2	<0.05	6	<0.5	<0.2
1084532	Soil	10	70	1.26	155	0.109	2	2.25	0.021	0.48	0.3	<0.01	5.1	0.3	<0.05	7	<0.5	<0.2
1084525	Soil	17	52	0.96	193	0.127	3	2.03	0.026	0.35	0.4	0.06	4.9	0.3	<0.05	7	<0.5	<0.2
1084523	Soil	13	52	0.87	193	0.089	<1	1.98	0.021	0.18	0.7	0.02	5.4	0.2	0.11	5	1.4	<0.2
1084522	Soil	14	53	0.82	145	0.093	1	1.86	0.029	0.20	0.4	0.03	4.6	0.2	<0.05	5	<0.5	<0.2
1084528	Soil	7	20	0.43	103	0.054	2	0.88	0.030	0.16	<0.1	0.02	1.3	<0.1	0.07	3	<0.5	<0.2
1084530	Soil	10	66	0.98	147	0.112	<1	2.34	0.015	0.31	0.3	<0.01	5.0	0.2	<0.05	7	<0.5	<0.2
1084535	Soil	11	54	0.87	179	0.099	1	1.82	0.021	0.34	0.3	<0.01	4.0	0.2	<0.05	6	<0.5	<0.2
1084533	Soil	17	64	1.15	166	0.088	1	1.99	0.018	0.36	0.3	0.02	4.4	0.2	<0.05	7	<0.5	<0.2
1084529	Soil	15	100	1.37	145	0.121	<1	2.67	0.017	0.44	0.3	0.02	6.9	0.3	<0.05	8	<0.5	<0.2
1085119	Soil	7	29	0.51	116	0.072	<1	1.07	0.018	0.08	0.1	0.05	2.4	<0.1	0.07	5	<0.5	<0.2
1085121	Soil	5	9	0.10	62	0.070	<1	0.36	0.026	0.03	<0.1	0.01	1.0	<0.1	0.07	3	<0.5	<0.2
1084531	Soil	1	4	0.07	49	0.039	<1	0.24	0.041	0.04	<0.1	0.01	0.7	<0.1	0.07	1	<0.5	<0.2
1084527	Soil	19	124	3.13	156	0.216	<1	4.00	0.014	0.72	0.2	0.03	8.8	0.8	<0.05	14	<0.5	<0.2
1084534	Soil	13	51	0.85	157	0.078	2	1.56	0.030	0.24	0.5	0.02	3.5	0.2	<0.05	5	<0.5	<0.2
1081301	Soil	11	51	0.73	262	0.125	<1	2.30	0.009	0.61	<0.1	0.02	3.6	0.4	<0.05	7	0.7	0.2
1081305	Soil	7	29	0.17	115	0.016	<1	1.43	0.010	0.06	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1081309	Soil	9	37	0.47	153	0.101	<1	2.67	0.016	0.07	0.2	0.03	3.2	<0.1	<0.05	9	<0.5	<0.2
1081311	Soil	20	44	0.65	218	0.092	<1	2.80	0.015	0.09	0.2	0.02	3.7	<0.1	<0.05	8	<0.5	<0.2
1081302	Soil	10	39	0.56	233	0.085	<1	2.34	0.013	0.06	0.2	0.03	3.6	<0.1	<0.05	8	<0.5	<0.2
1081316	Soil	27	201	2.69	226	0.353	<1	5.64	0.028	1.13	0.3	<0.01	10.5	0.8	<0.05	18	<0.5	<0.2
1084521	Soil	15	61	1.01	182	0.118	<1	2.66	0.021	0.25	0.8	0.02	4.8	0.3	0.06	8	1.4	<0.2
1081314	Soil	24	45	0.80	221	0.085	<1	2.13	0.008	0.47	0.1	0.01	4.0	0.3	<0.05	7	<0.5	<0.2
1081318	Soil	17	59	0.96	703	0.109	<1	2.56	0.022	0.19	0.4	0.01	5.3	0.2	<0.05	7	0.6	<0.2
1081320	Soil	12	50	1.13	205	0.109	2	2.61	0.015	0.16	0.8	0.02	4.0	0.2	<0.05	8	<0.5	<0.2
1084524	Soil	16	77	1.21	211	0.221	2	2.78	0.018	0.66	0.3	<0.01	6.4	0.3	<0.05	8	<0.5	<0.2
1081317	Soil	42	77	0.97	536	0.075	<1	4.07	0.014	0.16	0.3	0.08	9.6	0.3	<0.05	11	1.7	<0.2
1081315	Soil	13	68	1.20	234	0.196	2	3.83	0.036	0.31	0.3	0.02	5.9	0.3	<0.05	10	<0.5	<0.2
1081313	Soil	25	109	1.49	354	0.155	<1	4.77	0.023	0.88	0.3	<0.01	11.1	0.6	<0.05	15	<0.5	<0.2
1081319	Soil	16	54	0.87	620	0.115	2	2.33	0.016	0.17	0.3	0.02	5.2	0.2	<0.05	8	<0.5	<0.2



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Part 1

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 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
1083012	Soil	0.2	28.0	7.5	82	0.2	48.7	16.8	584	3.93	6.4	0.4	2.4	2.9	15	0.2	0.3	0.1	81	0.71	0.154
1083003	Soil	3.4	32.6	9.9	61	<0.1	20.8	8.2	261	2.63	11.3	0.7	2.1	0.6	18	0.1	1.2	0.3	71	0.16	0.055
1083005	Soil	0.3	41.9	12.7	110	0.9	79.3	16.5	726	4.29	32.3	0.3	3.7	1.1	46	0.5	1.6	<0.1	72	5.54	0.264
1083007	Soil	3.1	32.0	10.6	61	0.2	22.2	7.8	336	2.74	36.2	0.8	6.7	1.9	12	0.1	1.1	0.3	68	0.10	0.043
1083006	Soil	0.2	29.2	9.9	57	0.4	30.2	9.2	277	2.10	20.9	1.0	8.8	2.8	21	0.3	1.6	0.1	41	0.89	0.130
1081308	Soil	1.7	41.1	26.5	153	0.2	42.4	14.5	325	4.27	48.2	0.9	2.3	3.9	21	0.8	0.6	0.2	77	0.18	0.055
1081307	Soil	1.0	30.3	54.4	73	0.6	22.9	6.6	201	2.39	95.3	0.9	43.6	3.4	20	0.6	0.9	0.2	46	0.17	0.045
1083011	Soil	1.6	33.8	11.4	57	<0.1	35.0	11.9	336	3.34	12.4	0.8	6.5	3.3	20	0.2	0.5	0.3	69	0.54	0.081
1083009	Soil	2.9	23.6	13.4	58	<0.1	21.6	8.3	314	3.62	14.1	0.6	10.5	2.0	13	0.2	1.1	0.3	89	0.14	0.028
1083010	Soil	2.5	31.9	12.3	68	0.2	22.7	9.9	560	2.91	13.1	0.8	3.5	1.1	15	0.3	1.0	0.2	60	0.12	0.057
1081312	Soil	3.5	30.6	48.0	141	2.4	30.3	11.3	291	4.05	19.9	0.8	2.7	3.8	19	1.1	0.9	1.2	84	0.18	0.041
1081303	Soil	1.3	50.3	18.5	117	0.5	51.2	19.1	357	3.89	30.8	0.9	6.3	4.6	17	0.4	0.8	0.3	86	0.17	0.040
1081304	Soil	1.1	41.7	14.4	128	0.4	44.1	13.1	314	3.30	23.8	0.8	4.8	3.1	23	0.4	0.8	0.3	73	0.24	0.049
1081306	Soil	1.3	27.5	12.9	55	0.2	16.0	4.3	102	1.88	37.4	0.5	2.0	2.0	19	0.4	0.5	0.2	45	0.10	0.030
1081310	Soil	2.2	40.1	25.9	90	0.2	22.8	9.0	305	3.63	15.1	0.6	2.6	2.9	26	0.7	0.7	0.3	81	0.23	0.029
1083035	Soil	1.8	39.2	12.6	54	0.3	36.3	12.7	221	4.54	11.8	0.8	2.1	4.8	18	0.2	0.7	0.3	81	0.14	0.034
1081232	Soil	2.4	34.6	13.0	52	0.1	28.4	9.5	264	3.78	11.2	0.9	5.7	3.9	14	0.2	0.9	0.3	82	0.11	0.030
1083019	Soil	1.1	38.7	9.8	53	<0.1	45.4	20.3	391	4.17	10.6	1.0	1.9	4.4	14	0.2	0.7	0.2	69	0.15	0.042
1083020	Soil	1.1	35.2	10.4	48	0.1	43.9	23.1	379	4.26	27.3	0.9	30.8	4.3	16	0.1	0.5	0.2	66	0.14	0.046
1083021	Soil	1.6	32.9	11.8	64	0.1	36.5	16.5	264	4.08	11.5	1.1	4.1	5.9	19	0.2	0.6	0.3	72	0.16	0.045
1083025	Soil	2.2	96.4	12.6	165	0.5	65.8	23.7	475	5.07	12.2	3.0	4.2	7.3	30	0.6	0.9	0.2	95	0.33	0.118
1083031	Soil	1.3	43.1	9.4	91	<0.1	46.5	19.6	525	3.29	20.6	1.0	5.4	4.9	15	0.5	0.7	0.2	70	0.26	0.087
1083032	Soil	1.6	37.6	12.6	78	0.2	36.4	13.7	465	4.21	22.7	0.9	4.5	5.5	14	0.3	1.1	0.2	77	0.17	0.049
1083033	Soil	1.6	31.8	13.6	70	0.1	32.4	14.4	521	3.91	14.6	1.2	3.8	5.4	15	0.2	0.9	0.2	58	0.17	0.053
1083034	Soil	1.0	37.7	10.7	66	<0.1	42.1	17.6	387	4.28	7.6	1.0	3.0	6.5	18	0.2	0.4	0.2	66	0.19	0.048
1083029	Soil	1.5	40.6	10.4	98	0.1	50.8	15.7	526	3.65	14.3	1.3	4.7	4.8	21	0.5	0.7	0.3	86	0.31	0.068
1083030	Soil	2.0	34.4	8.1	44	0.2	14.7	5.2	116	2.15	9.7	0.7	<0.5	1.0	16	0.3	0.7	0.2	75	0.17	0.055
1083028	Soil	0.8	39.4	8.6	85	0.1	45.6	15.5	532	3.44	8.5	1.4	3.1	5.3	17	0.3	0.6	0.2	75	0.30	0.071
1083027	Soil	1.3	36.0	9.8	73	<0.1	37.7	12.6	344	3.87	9.2	1.1	2.3	4.4	19	0.2	0.5	0.2	82	0.27	0.074
1083026	Soil	1.4	48.7	9.0	73	0.3	32.7	12.6	252	3.51	7.1	1.6	5.5	3.9	19	0.3	0.5	0.3	64	0.17	0.065



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Part 2

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
		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
1083012	Soil	10	73	1.66	223	0.161	<1	2.46	0.011	0.33	0.1	0.01	5.3	0.2	<0.05	9	<0.5	<0.2
1083003	Soil	10	22	0.25	110	0.041	1	1.18	0.009	0.05	0.1	0.03	1.6	0.1	0.06	7	<0.5	<0.2
1083005	Soil	8	133	5.66	180	0.120	<1	2.27	0.013	0.35	0.2	0.01	6.2	0.3	<0.05	7	<0.5	<0.2
1083007	Soil	11	23	0.23	74	0.055	<1	1.09	0.006	0.11	<0.1	0.02	2.1	0.2	0.06	6	<0.5	<0.2
1083006	Soil	15	34	0.73	172	0.044	2	1.35	0.011	0.10	<0.1	0.04	4.1	0.1	0.07	4	<0.5	<0.2
1081308	Soil	12	51	0.64	191	0.088	<1	2.71	0.009	0.17	0.1	0.02	3.7	0.2	<0.05	7	<0.5	<0.2
1081307	Soil	11	32	0.42	166	0.062	1	1.20	0.012	0.13	0.1	<0.01	2.3	<0.1	0.05	4	<0.5	<0.2
1083011	Soil	14	41	0.93	142	0.136	2	1.81	0.012	0.27	0.2	<0.01	2.7	0.2	<0.05	7	<0.5	<0.2
1083009	Soil	8	31	0.42	67	0.106	2	1.40	0.008	0.08	<0.1	0.02	2.1	<0.1	<0.05	9	<0.5	<0.2
1083010	Soil	10	25	0.39	88	0.054	2	1.36	0.012	0.10	0.1	0.03	1.5	0.1	<0.05	6	0.5	<0.2
1081312	Soil	8	43	0.64	119	0.077	1	2.63	0.017	0.07	0.3	0.04	3.0	0.1	<0.05	10	<0.5	<0.2
1081303	Soil	10	56	0.79	227	0.121	1	2.73	0.015	0.22	0.2	<0.01	4.6	0.2	<0.05	7	0.7	<0.2
1081304	Soil	11	47	0.75	272	0.128	2	2.18	0.012	0.29	0.1	<0.01	4.4	0.2	<0.05	6	<0.5	<0.2
1081306	Soil	10	18	0.16	102	0.020	<1	0.98	0.011	0.05	<0.1	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
1081310	Soil	9	34	0.44	175	0.075	<1	1.93	0.016	0.07	0.2	<0.01	2.4	<0.1	<0.05	8	<0.5	<0.2
1083035	Soil	14	40	0.70	87	0.128	<1	2.31	0.012	0.20	0.1	0.02	3.1	0.2	<0.05	8	<0.5	<0.2
1081232	Soil	15	35	0.55	63	0.103	1	1.90	0.010	0.16	0.1	0.02	3.0	0.2	<0.05	9	<0.5	<0.2
1083019	Soil	15	45	1.00	92	0.135	2	2.51	0.014	0.44	0.1	0.02	4.0	0.3	<0.05	7	<0.5	<0.2
1083020	Soil	16	41	0.86	92	0.132	<1	2.14	0.012	0.37	0.1	<0.01	3.3	0.2	<0.05	7	<0.5	<0.2
1083021	Soil	26	43	0.74	96	0.137	<1	2.18	0.016	0.32	0.1	0.01	3.5	0.2	<0.05	8	<0.5	<0.2
1083025	Soil	24	56	1.11	149	0.141	<1	2.37	0.018	0.73	<0.1	0.02	5.7	0.4	0.18	8	2.0	0.3
1083031	Soil	16	40	0.67	156	0.089	2	2.04	0.012	0.22	<0.1	0.02	3.1	0.1	<0.05	5	<0.5	<0.2
1083032	Soil	15	42	0.67	100	0.096	<1	2.03	0.010	0.13	0.2	0.02	3.2	0.1	<0.05	7	0.7	<0.2
1083033	Soil	22	35	0.69	111	0.067	<1	1.78	0.008	0.15	0.2	<0.01	3.0	<0.1	<0.05	6	0.8	<0.2
1083034	Soil	22	46	1.06	120	0.120	<1	2.56	0.014	0.42	0.1	<0.01	4.0	0.3	<0.05	8	<0.5	<0.2
1083029	Soil	14	47	0.82	163	0.109	2	2.15	0.013	0.22	0.2	0.01	4.0	0.2	<0.05	7	0.6	<0.2
1083030	Soil	10	21	0.24	96	0.068	1	0.92	0.008	0.07	0.1	0.01	1.6	0.2	<0.05	6	0.5	<0.2
1083028	Soil	18	49	0.97	152	0.125	1	2.16	0.010	0.28	0.2	0.01	4.5	0.2	<0.05	7	<0.5	<0.2
1083027	Soil	16	55	0.94	112	0.128	<1	2.28	0.011	0.30	0.2	<0.01	4.3	0.2	<0.05	8	<0.5	<0.2
1083026	Soil	18	38	0.80	125	0.105	<1	1.85	0.020	0.46	<0.1	<0.01	3.2	0.3	0.12	6	0.9	<0.2



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Part 1

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 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
1085260	Soil	2.5	44.9	55.7	138	0.9	37.2	12.0	212	4.03	76.3	3.3	12.7	7.4	38	0.5	0.6	0.7	51	0.16	0.067
1080246	Soil	1.3	13.5	11.9	67	0.3	9.0	5.0	153	2.11	8.6	0.4	<0.5	1.1	12	0.7	0.4	0.2	60	0.10	0.026
1085258	Soil	2.1	40.7	41.6	148	0.9	32.7	11.7	259	4.31	27.5	1.4	3.5	5.9	19	0.6	0.6	0.6	70	0.11	0.050
1085254	Soil	1.9	31.6	27.2	98	0.3	38.3	14.4	345	3.23	26.9	1.0	2.4	5.9	23	1.0	0.7	0.3	61	0.22	0.034
1085259	Soil	2.3	44.4	54.1	146	0.8	39.1	12.1	219	4.12	75.4	3.2	14.2	7.8	38	0.4	0.6	0.7	52	0.17	0.072
1085257	Soil	1.8	49.6	77.2	127	1.2	38.9	15.2	298	4.26	74.4	2.9	9.8	4.1	39	1.2	0.6	0.6	70	0.19	0.063
1080245	Soil	1.7	110.4	12.3	148	0.5	16.2	10.7	548	2.73	7.8	0.4	0.9	1.1	26	3.7	0.6	0.2	70	0.23	0.043
1080247	Soil	0.6	15.7	4.1	33	<0.1	6.2	4.6	129	1.62	3.2	0.2	<0.5	0.6	13	<0.1	0.2	<0.1	47	0.12	0.038
1080248	Soil	1.6	47.5	12.6	125	0.4	31.6	13.0	360	3.36	21.0	1.3	5.8	2.6	25	1.1	0.5	0.3	72	0.22	0.051
1080249	Soil	1.7	61.3	15.5	122	1.0	41.5	14.9	314	3.92	24.4	1.2	2.3	3.7	25	0.6	0.7	0.4	83	0.15	0.047
1083004	Soil	0.4	44.8	12.4	133	1.8	79.9	17.9	1107	4.62	48.5	0.4	7.1	1.3	40	0.5	2.0	<0.1	75	4.22	0.376
1083001	Soil	1.0	32.7	13.1	75	<0.1	35.4	13.2	562	3.40	17.1	0.9	2.7	1.8	19	0.2	0.8	0.2	63	0.22	0.054
1083008	Soil	1.6	33.9	16.1	75	0.2	32.9	13.4	539	3.60	42.1	0.8	6.9	1.9	10	0.3	1.0	0.3	67	0.14	0.069
1083002	Soil	3.9	48.4	14.0	86	1.3	35.1	14.3	608	3.69	85.5	1.3	9.7	0.6	19	0.3	2.0	0.3	72	0.28	0.138
1080250	Soil	2.0	29.9	19.5	89	0.4	28.8	10.8	262	4.49	34.6	0.7	6.3	2.9	29	0.6	0.9	0.5	87	0.26	0.057
1085272	Soil	1.4	45.6	7.6	70	0.2	11.1	13.9	1594	2.09	5.5	0.5	0.8	0.8	15	0.7	0.5	0.2	54	0.11	0.069
1085276	Soil	0.7	29.0	6.7	52	0.5	12.2	8.4	510	1.94	5.6	0.4	2.9	0.6	22	0.5	0.3	0.2	50	0.19	0.039
1085277	Soil	0.2	19.2	1.3	21	<0.1	8.3	4.7	136	0.97	2.2	0.3	2.4	0.3	46	<0.1	<0.1	0.2	24	1.00	0.044
1085271	Soil	0.8	17.4	5.7	42	0.2	8.3	7.1	232	1.79	5.1	0.3	<0.5	1.1	19	0.2	0.3	0.2	48	0.15	0.052
1083022	Soil	1.0	37.1	12.2	59	<0.1	42.2	15.1	259	4.42	32.9	1.1	7.4	6.8	15	0.2	0.6	0.3	63	0.16	0.052
1083014	Soil	1.8	46.4	11.4	169	0.4	54.8	14.0	331	3.74	46.6	1.1	16.8	3.3	12	1.0	1.3	0.3	70	0.20	0.112
1085275	Soil	1.4	36.3	12.1	88	0.2	35.5	11.4	353	3.66	17.1	0.8	2.8	2.6	23	0.3	0.5	0.4	73	0.23	0.046
1085274	Soil	1.8	42.9	14.2	63	0.4	14.8	7.9	366	2.59	20.2	0.5	7.7	1.3	21	0.3	0.7	0.3	72	0.18	0.049
1085266	Soil	1.3	51.1	36.4	108	0.4	83.3	18.8	348	4.31	36.9	0.9	5.4	4.5	23	0.9	0.9	0.4	78	0.18	0.040
1085270	Soil	3.1	35.6	126.0	102	0.7	21.0	6.0	148	4.43	40.4	0.8	3.4	3.3	21	0.5	1.0	0.7	102	0.10	0.042
1083015	Soil	2.0	57.4	15.3	157	0.8	62.6	21.4	737	3.90	44.2	2.3	12.4	3.7	17	1.6	2.1	0.3	79	0.12	0.064
1083017	Soil	3.7	47.8	10.4	180	0.7	50.9	17.9	457	2.88	39.8	3.3	10.5	3.5	18	1.5	3.9	0.1	94	0.21	0.077
1083018	Soil	1.4	49.4	13.3	68	0.5	56.5	23.5	411	5.67	24.5	1.7	5.2	4.4	10	0.4	1.6	0.3	78	0.10	0.049
1083016	Soil	3.4	44.5	11.5	143	0.3	50.1	14.5	379	3.53	32.2	2.9	2.6	2.2	13	1.3	3.2	0.2	129	0.13	0.063
1083013	Soil	1.7	41.6	11.1	162	0.4	49.5	12.7	298	3.39	44.2	1.2	14.9	3.2	12	0.9	1.3	0.2	66	0.20	0.112



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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
1085260	Soil	15	28	0.32	151	0.033	<1	1.50	0.013	0.16	0.2	<0.01	2.8	0.2	0.19	4	0.8	<0.2
1080246	Soil	5	14	0.18	73	0.045	<1	1.02	0.018	0.04	0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
1085258	Soil	13	41	0.55	121	0.053	1	2.36	0.010	0.12	0.2	0.02	3.0	0.1	0.06	7	0.6	<0.2
1085254	Soil	11	40	0.58	178	0.080	1	2.80	0.013	0.09	0.3	0.02	3.4	0.1	<0.05	6	0.6	<0.2
1085259	Soil	14	30	0.33	152	0.033	<1	1.47	0.013	0.16	0.2	<0.01	2.7	0.1	0.18	4	0.8	<0.2
1085257	Soil	13	42	0.62	168	0.082	<1	2.45	0.014	0.13	0.2	0.03	3.5	0.1	0.10	6	0.6	0.4
1080245	Soil	9	21	0.28	169	0.057	<1	1.23	0.019	0.05	0.1	<0.01	1.8	<0.1	<0.05	6	<0.5	<0.2
1080247	Soil	4	10	0.13	66	0.064	<1	0.75	0.026	0.03	<0.1	<0.01	0.9	<0.1	<0.05	4	<0.5	<0.2
1080248	Soil	9	39	0.58	205	0.091	<1	2.04	0.016	0.16	0.2	0.01	3.1	0.1	<0.05	6	0.5	<0.2
1080249	Soil	10	49	0.64	168	0.098	<1	2.76	0.011	0.18	0.2	0.03	3.5	0.2	<0.05	7	0.5	<0.2
1083004	Soil	9	129	4.79	221	0.106	1	2.24	0.013	0.40	0.2	0.02	7.1	0.3	<0.05	7	<0.5	<0.2
1083001	Soil	12	37	0.60	190	0.071	2	2.31	0.013	0.09	<0.1	0.04	3.0	<0.1	<0.05	6	<0.5	<0.2
1083008	Soil	10	44	0.51	82	0.073	3	1.55	0.006	0.12	0.1	0.02	3.0	0.1	<0.05	6	0.7	<0.2
1083002	Soil	13	35	0.49	186	0.029	3	1.63	0.009	0.09	0.1	0.05	2.7	0.1	0.08	6	0.7	<0.2
1080250	Soil	8	43	0.61	139	0.100	3	2.46	0.010	0.09	0.4	0.01	2.9	0.1	<0.05	9	0.6	<0.2
1085272	Soil	7	14	0.15	108	0.054	2	1.02	0.017	0.04	0.1	0.02	1.2	0.1	<0.05	5	<0.5	<0.2
1085276	Soil	5	15	0.20	125	0.055	2	0.86	0.021	0.05	1.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1085277	Soil	4	7	0.17	35	0.037	3	0.43	0.037	0.05	0.3	<0.01	0.8	0.1	<0.05	2	<0.5	<0.2
1085271	Soil	6	13	0.18	140	0.057	1	0.91	0.022	0.05	0.2	<0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1083022	Soil	23	41	0.91	89	0.128	2	2.38	0.009	0.45	0.1	<0.01	3.6	0.3	<0.05	8	0.5	<0.2
1083014	Soil	14	39	0.60	179	0.071	2	1.76	0.007	0.24	0.1	0.02	3.4	0.2	<0.05	6	0.9	<0.2
1085275	Soil	9	37	0.61	171	0.082	2	1.94	0.011	0.13	1.5	<0.01	2.9	0.1	<0.05	7	<0.5	<0.2
1085274	Soil	9	22	0.30	173	0.065	<1	1.22	0.012	0.12	0.2	<0.01	1.7	0.1	<0.05	7	<0.5	<0.2
1085266	Soil	10	81	0.91	166	0.096	2	2.97	0.012	0.15	0.5	0.01	4.7	0.2	0.06	8	<0.5	<0.2
1085270	Soil	12	28	0.26	101	0.047	2	1.70	0.006	0.06	0.2	0.01	2.1	0.2	<0.05	10	<0.5	<0.2
1083015	Soil	12	43	0.73	290	0.102	3	2.58	0.011	0.17	0.2	0.05	4.9	0.2	<0.05	6	0.9	<0.2
1083017	Soil	12	30	0.40	178	0.072	2	1.60	0.009	0.09	0.3	0.04	2.8	0.1	<0.05	4	1.0	<0.2
1083018	Soil	14	54	1.23	222	0.147	1	2.97	0.010	0.83	<0.1	0.01	5.4	0.6	<0.05	10	0.9	<0.2
1083016	Soil	10	40	0.55	119	0.084	3	2.49	0.008	0.08	0.2	0.07	3.2	0.1	<0.05	7	<0.5	<0.2
1083013	Soil	14	37	0.59	169	0.068	1	1.74	0.007	0.22	<0.1	0.02	3.2	0.2	<0.05	5	0.5	<0.2



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Part 1

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
1081211	Soil	2.4	110.5	4.6	77	0.1	30.9	9.1	265	1.24	3.9	0.9	3.1	0.5	110	0.5	0.2	0.1	19	2.61	0.074
1085273	Soil	1.4	29.3	8.3	55	0.2	19.6	8.5	239	2.40	15.5	0.9	0.7	1.8	19	0.7	0.5	0.3	58	0.14	0.042
1083024	Soil	1.0	32.9	11.7	57	0.1	38.8	14.7	290	4.12	11.2	1.1	2.9	6.7	13	0.1	0.5	0.2	66	0.17	0.054
1083023	Soil	1.2	25.7	11.1	43	<0.1	28.3	9.7	208	4.06	15.7	0.8	4.0	5.1	12	0.2	0.5	0.2	69	0.13	0.037
1081212	Soil	2.3	49.0	2.2	29	<0.1	21.3	8.7	102	1.63	1.5	0.3	<0.5	0.5	25	<0.1	0.1	<0.1	37	0.42	0.051
1081201	Soil	2.0	39.9	21.0	179	0.3	25.1	12.9	268	2.51	9.2	1.2	5.1	3.7	23	0.5	0.3	0.3	64	0.27	0.062
1081202	Soil	2.5	54.9	24.9	252	0.2	45.1	16.8	385	3.06	20.0	0.9	23.9	3.6	32	0.7	0.5	0.4	62	0.64	0.106
1081208	Soil	1.5	39.1	5.9	38	0.1	14.9	7.0	198	1.32	2.0	0.8	2.5	0.8	31	0.2	0.2	0.1	28	0.29	0.067
1081209	Soil	0.2	9.9	1.4	16	<0.1	2.2	2.6	56	0.90	0.8	0.2	<0.5	0.5	8	<0.1	<0.1	<0.1	30	0.10	0.043
1081210	Soil	6.8	153.4	7.0	93	0.1	60.0	22.3	398	3.09	6.8	1.0	2.3	2.2	134	0.4	0.2	<0.1	47	2.14	0.118
1081203	Soil	2.0	38.1	6.8	42	0.2	15.4	6.7	107	1.51	3.5	0.6	3.6	0.8	23	0.3	0.2	<0.1	38	0.24	0.050
1081204	Soil	5.5	44.8	50.7	102	0.3	24.7	12.1	681	3.33	4.6	1.2	2.7	2.1	100	0.3	0.2	0.3	47	2.40	0.137
1081205	Soil	1.8	35.0	6.1	44	0.2	10.8	6.9	162	1.46	3.3	0.6	<0.5	0.9	41	0.2	0.2	<0.1	41	0.56	0.070
1081206	Soil	1.8	47.1	28.8	148	0.2	41.6	17.7	428	3.22	19.1	1.2	8.6	5.5	64	0.6	0.6	0.3	69	0.94	0.078
1081207	Soil	3.4	61.3	11.3	67	0.2	32.9	17.3	220	2.09	4.9	1.0	1.4	1.3	41	0.3	0.2	0.2	44	0.34	0.072
1085267	Soil	2.3	54.4	42.4	152	0.6	105.7	21.7	494	4.27	33.8	0.8	8.4	4.4	22	0.7	1.0	0.4	86	0.19	0.042
1085264	Soil	1.3	35.8	45.6	86	0.7	40.4	17.2	299	3.84	22.4	0.7	3.1	3.5	15	1.0	0.6	0.3	76	0.18	0.047
1085269	Soil	1.4	37.2	7.8	56	0.3	13.5	12.0	522	2.86	7.8	0.7	1.9	0.6	20	0.6	0.4	0.3	77	0.14	0.093
1081222	Soil	5.7	25.2	2.2	18	0.1	5.9	4.5	123	0.94	2.0	0.8	1.6	0.3	15	<0.1	0.2	0.1	27	0.14	0.037
1081220	Soil	0.9	36.6	2.3	19	0.1	5.3	3.7	89	1.26	3.1	1.2	1.0	0.6	20	<0.1	0.1	0.1	37	0.18	0.043
1085261	Soil	1.4	53.3	22.2	101	0.9	53.4	17.9	318	3.89	42.0	1.6	4.9	4.2	22	0.9	0.7	0.3	88	0.22	0.046
1085256	Soil	1.8	59.0	187.0	262	0.7	48.8	18.1	522	4.54	90.0	8.3	17.3	5.3	34	1.4	1.8	0.6	71	0.23	0.078
1085252	Soil	2.3	33.3	24.2	99	0.1	31.8	13.5	270	3.63	26.9	1.1	3.7	5.7	20	0.4	0.9	0.3	83	0.19	0.030
1085265	Soil	1.1	51.5	78.5	96	0.7	47.7	16.5	345	3.72	60.7	1.0	13.2	4.5	27	1.2	0.6	0.7	75	0.22	0.051
1085268	Soil	1.8	50.4	17.4	134	0.5	102.8	26.3	459	4.92	25.9	0.9	2.6	3.8	30	0.4	0.8	0.4	105	0.27	0.064
1085251	Soil	2.4	44.6	100.7	104	1.3	28.8	11.4	251	3.51	70.5	3.0	65.9	4.0	26	0.8	1.3	1.2	72	0.20	0.055
1085262	Soil	1.9	60.1	27.0	96	2.2	52.4	16.4	328	4.74	52.5	1.8	10.7	5.7	37	0.8	0.8	0.5	91	0.18	0.061
1085263	Soil	1.8	47.8	27.4	77	0.8	60.3	24.6	295	4.62	32.7	1.3	4.1	4.3	19	1.1	0.7	0.3	87	0.18	0.059
1085253	Soil	2.0	33.3	42.7	111	0.1	39.9	17.3	351	3.64	39.9	1.7	4.1	7.7	17	0.5	1.1	0.4	75	0.19	0.036
1085255	Soil	4.3	25.4	79.6	113	0.3	17.5	6.8	168	2.67	48.6	2.0	11.2	13.3	16	0.3	1.2	0.6	37	0.12	0.019



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Part 2

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
		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
1081211	Soil	7	28	0.38	73	0.031	3	0.58	0.014	0.05	0.2	0.05	1.1	<0.1	0.15	2	0.7	<0.2
1085273	Soil	9	26	0.33	137	0.068	2	1.47	0.013	0.07	0.4	0.01	2.2	<0.1	<0.05	6	0.5	<0.2
1083024	Soil	20	47	1.01	110	0.131	2	2.48	0.009	0.54	<0.1	0.01	3.8	0.4	<0.05	8	0.7	<0.2
1083023	Soil	13	36	0.76	83	0.135	2	1.94	0.009	0.34	0.1	<0.01	2.8	0.3	<0.05	8	0.5	<0.2
1081212	Soil	4	33	0.36	48	0.069	1	0.67	0.023	0.03	0.6	0.02	1.3	<0.1	<0.05	4	0.7	<0.2
1081201	Soil	21	40	0.67	72	0.094	1	1.40	0.018	0.11	0.7	0.02	2.6	0.1	0.08	7	<0.5	<0.2
1081202	Soil	10	56	0.86	76	0.101	1	1.37	0.018	0.13	1.1	0.02	2.8	0.1	0.05	6	<0.5	<0.2
1081208	Soil	8	26	0.29	62	0.050	2	0.92	0.013	0.05	0.2	0.05	1.8	<0.1	<0.05	4	0.6	<0.2
1081209	Soil	6	3	0.06	13	0.043	<1	0.45	0.023	0.02	<0.1	0.01	0.5	<0.1	<0.05	2	<0.5	<0.2
1081210	Soil	11	68	0.93	79	0.079	2	1.36	0.018	0.10	1.1	0.01	2.6	<0.1	0.12	5	0.9	<0.2
1081203	Soil	6	18	0.25	57	0.056	1	0.79	0.015	0.05	0.2	0.03	1.5	<0.1	0.05	4	<0.5	<0.2
1081204	Soil	12	44	0.76	118	0.065	2	1.53	0.017	0.05	3.2	0.03	2.9	<0.1	0.06	7	0.6	<0.2
1081205	Soil	10	14	0.19	74	0.056	2	0.69	0.024	0.03	0.1	0.02	1.3	<0.1	0.10	4	0.5	<0.2
1081206	Soil	21	49	0.72	115	0.091	2	1.91	0.031	0.06	1.4	0.01	3.8	0.1	<0.05	7	<0.5	<0.2
1081207	Soil	14	28	0.43	99	0.075	1	1.62	0.016	0.09	0.3	0.03	2.6	<0.1	0.07	6	0.6	<0.2
1085267	Soil	10	114	1.05	200	0.104	2	3.30	0.012	0.17	0.2	0.01	4.9	0.2	<0.05	9	<0.5	<0.2
1085264	Soil	9	46	0.73	139	0.090	2	2.65	0.014	0.10	0.2	0.02	3.6	<0.1	<0.05	8	<0.5	<0.2
1085269	Soil	9	16	0.15	122	0.067	<1	0.90	0.012	0.04	0.1	0.02	1.3	<0.1	<0.05	6	<0.5	<0.2
1081222	Soil	3	9	0.12	27	0.038	1	0.33	0.020	0.02	0.2	0.03	0.5	<0.1	0.09	2	<0.5	<0.2
1081220	Soil	4	9	0.11	31	0.055	2	0.38	0.019	0.02	<0.1	0.03	0.6	<0.1	0.11	2	<0.5	<0.2
1085261	Soil	11	54	0.71	149	0.122	2	3.26	0.013	0.10	0.3	0.05	4.3	0.1	<0.05	7	<0.5	<0.2
1085256	Soil	28	45	0.62	137	0.096	1	2.04	0.013	0.13	1.9	0.02	4.1	0.1	0.08	5	0.7	0.3
1085252	Soil	14	37	0.51	161	0.088	1	2.22	0.014	0.06	0.3	0.01	2.5	<0.1	<0.05	7	<0.5	<0.2
1085265	Soil	10	50	0.68	167	0.128	2	2.45	0.018	0.18	0.2	0.02	3.3	0.1	0.12	6	0.5	0.3
1085268	Soil	11	127	1.29	208	0.144	3	3.44	0.022	0.15	0.1	0.03	4.5	0.2	<0.05	9	0.8	<0.2
1085251	Soil	14	34	0.49	147	0.091	2	1.78	0.014	0.11	0.3	0.02	2.5	0.1	0.10	6	0.9	0.3
1085262	Soil	13	61	0.77	178	0.103	1	3.12	0.014	0.17	0.2	0.06	4.0	0.2	0.08	7	0.9	<0.2
1085263	Soil	11	56	0.61	166	0.144	3	4.14	0.013	0.10	0.2	0.06	4.3	0.1	<0.05	8	<0.5	<0.2
1085253	Soil	16	45	0.61	145	0.096	1	2.96	0.012	0.07	0.4	0.03	3.2	<0.1	<0.05	7	<0.5	<0.2
1085255	Soil	15	20	0.30	128	0.052	<1	1.17	0.008	0.15	0.3	0.02	1.5	<0.1	0.19	3	<0.5	<0.2



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Part 1

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	0.1	2	0.01
1081215	Soil	3.9	103.4	7.7	31	0.4	10.7	8.1	237	1.57	14.9	1.1	12.9	0.3	26	0.1	0.8	0.1	36	0.33	0.072
1081214	Soil	12.8	187.6	13.0	128	1.1	32.6	18.9	363	3.54	51.9	1.3	28.9	3.3	37	0.3	2.5	0.3	72	0.80	0.073
1081219	Soil	4.9	89.4	5.0	27	0.3	14.8	9.1	173	1.53	12.7	3.8	6.6	1.4	55	0.1	0.2	0.2	37	0.49	0.060
1081213	Soil	11.4	110.6	10.4	46	0.5	20.8	18.7	537	2.60	37.3	0.8	18.7	1.3	43	<0.1	2.8	0.1	59	0.64	0.090
1081221	Soil	2.2	121.4	4.5	20	0.4	10.7	6.3	127	1.24	10.7	1.7	4.9	0.3	26	0.2	0.2	0.2	41	0.24	0.037
1081230	Soil	0.3	6.1	1.5	18	1.2	3.4	2.9	66	1.09	4.9	0.1	1.2	<0.1	8	<0.1	<0.1	<0.1	42	0.06	0.014
1081231	Soil	2.8	43.0	11.4	63	0.2	25.3	9.1	255	2.20	31.0	0.8	5.4	1.5	26	0.3	0.6	0.2	63	0.24	0.051
1081218	Soil	5.9	29.9	2.6	26	<0.1	7.6	4.4	111	1.43	6.2	0.9	<0.5	1.0	20	<0.1	0.1	<0.1	55	0.20	0.028
1081216	Soil	6.9	169.5	12.0	60	0.2	23.4	14.5	305	3.65	17.8	0.9	28.0	1.3	23	0.2	0.6	0.4	73	0.67	0.069
1081217	Soil	2.2	86.5	22.8	81	0.3	46.6	20.0	295	3.56	22.2	1.7	5.3	5.2	33	0.4	0.5	0.3	64	0.44	0.079
1081225	Soil	25.4	51.6	9.1	32	0.4	10.7	8.2	228	1.56	22.5	0.5	5.5	0.8	12	0.1	0.4	0.1	52	0.09	0.032
1081227	Soil	2.4	37.3	10.2	64	0.1	23.7	19.6	539	2.59	16.8	0.7	3.6	2.6	28	0.2	0.4	0.3	70	0.21	0.061
1081226	Soil	2.3	37.0	10.0	64	<0.1	24.7	18.8	519	2.63	16.4	0.7	2.7	2.6	27	<0.1	0.4	0.3	71	0.23	0.063
1081228	Soil	0.7	12.3	2.8	27	<0.1	5.1	4.6	94	1.66	4.7	0.2	<0.5	0.4	10	<0.1	0.2	<0.1	67	0.08	0.021
1081229	Soil	2.4	35.2	16.9	62	0.2	19.6	10.4	347	2.20	23.9	0.7	5.2	1.7	24	0.3	0.5	0.2	61	0.25	0.051
1086479	Soil	2.0	44.1	11.5	75	0.1	40.2	13.9	278	3.38	20.0	1.0	3.9	3.8	14	0.2	3.2	0.2	73	0.18	0.063
1086474	Soil	1.7	41.4	11.1	90	<0.1	36.0	14.8	532	3.25	20.2	1.0	3.8	2.8	10	0.2	3.6	0.3	69	0.15	0.096
1086471	Soil	1.4	44.3	7.5	52	0.1	27.9	6.9	171	2.57	6.3	1.1	1.1	0.8	11	0.2	0.7	0.2	68	0.18	0.101
1086470	Soil	2.6	29.8	13.1	72	0.2	30.2	14.0	510	3.72	16.4	0.9	4.9	3.2	18	0.2	1.6	0.2	85	0.18	0.057
1086483	Soil	1.0	31.5	12.6	70	<0.1	42.6	20.7	419	3.41	26.0	1.2	2.8	6.1	14	0.3	2.0	0.2	55	0.16	0.035
1086478	Soil	1.3	43.9	9.7	77	<0.1	55.0	20.0	423	3.26	13.0	1.0	<0.5	4.0	14	0.3	2.2	0.2	66	0.20	0.079
1086466	Soil	0.8	51.7	12.8	110	0.5	77.7	16.3	686	4.02	19.3	1.3	4.0	4.6	24	0.6	4.3	0.2	91	0.55	0.152
1086469	Soil	1.8	30.4	12.2	70	<0.1	30.2	13.0	426	3.79	22.2	0.8	1.9	2.8	19	0.2	1.3	0.2	84	0.21	0.054
1086472	Soil	1.3	47.6	9.7	100	<0.1	47.6	11.0	303	3.44	10.7	1.0	1.5	3.1	10	0.4	1.5	0.2	78	0.20	0.098
1086473	Soil	1.5	41.4	8.6	90	<0.1	35.7	8.6	272	3.27	10.8	0.8	0.9	2.4	10	0.2	1.6	0.2	62	0.18	0.108
1086465	Soil	1.3	32.1	9.0	64	<0.1	41.9	11.7	328	3.39	16.1	0.7	2.2	2.9	12	0.3	2.7	0.2	67	0.18	0.067
1086463	Soil	1.7	27.4	7.0	63	0.1	20.4	6.8	222	3.07	13.9	0.6	2.3	1.3	21	0.3	1.9	0.2	78	0.36	0.056
1086464	Soil	1.1	51.1	6.5	72	0.1	27.2	9.7	395	2.32	8.2	0.8	<0.5	0.6	33	0.6	1.1	0.2	58	0.72	0.104
1086468	Soil	0.9	39.3	7.0	82	<0.1	49.6	15.7	353	3.25	14.6	0.7	2.4	2.6	16	0.4	2.6	0.2	74	0.33	0.109
1086467	Soil	1.3	47.2	7.1	75	0.2	41.4	14.0	422	3.48	21.3	0.8	1.4	2.1	20	0.4	2.9	0.2	80	0.31	0.098



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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
1081215	Soil	11	16	0.22	91	0.036	2	0.76	0.020	0.05	0.4	0.07	1.0	<0.1	0.06	3	<0.5	<0.2
1081214	Soil	16	45	0.70	137	0.072	2	1.62	0.015	0.09	2.2	0.05	3.2	<0.1	0.08	7	1.1	<0.2
1081219	Soil	12	18	0.29	61	0.048	2	0.91	0.019	0.04	0.1	0.07	1.4	<0.1	0.11	3	<0.5	<0.2
1081213	Soil	7	36	0.50	62	0.078	1	1.00	0.023	0.05	0.5	0.05	1.7	<0.1	0.12	5	0.7	<0.2
1081221	Soil	6	12	0.21	51	0.047	1	0.58	0.025	0.04	<0.1	0.03	0.6	<0.1	0.06	3	<0.5	<0.2
1081230	Soil	1	6	0.08	16	0.059	<1	0.20	0.023	0.03	<0.1	0.02	0.3	<0.1	<0.05	2	<0.5	<0.2
1081231	Soil	9	36	0.48	101	0.088	1	1.08	0.020	0.11	0.4	0.02	1.9	0.1	0.08	5	0.5	<0.2
1081218	Soil	5	12	0.16	26	0.078	<1	0.38	0.023	0.03	0.1	0.02	0.8	<0.1	0.08	3	<0.5	<0.2
1081216	Soil	12	32	0.46	82	0.066	2	1.18	0.014	0.08	4.0	0.06	1.9	<0.1	0.09	6	1.0	0.4
1081217	Soil	29	53	0.66	97	0.104	1	1.70	0.026	0.10	1.7	0.02	3.2	0.1	0.07	6	<0.5	<0.2
1081225	Soil	4	14	0.19	43	0.073	1	0.70	0.025	0.04	0.2	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2
1081227	Soil	11	33	0.52	101	0.105	<1	1.21	0.021	0.12	0.5	0.02	2.0	<0.1	0.06	5	<0.5	<0.2
1081226	Soil	11	33	0.53	104	0.108	1	1.24	0.020	0.12	0.4	0.01	2.1	<0.1	0.06	5	0.5	<0.2
1081228	Soil	2	9	0.11	39	0.095	<1	0.37	0.021	0.03	<0.1	0.02	0.5	<0.1	<0.05	3	<0.5	<0.2
1081229	Soil	10	28	0.46	131	0.085	1	1.14	0.020	0.09	0.4	0.02	1.8	<0.1	0.05	5	<0.5	<0.2
1086479	Soil	14	31	0.43	112	0.098	2	1.44	0.009	0.13	0.1	0.03	2.4	0.1	<0.05	5	<0.5	<0.2
1086474	Soil	11	37	0.50	118	0.096	1	1.56	0.008	0.27	<0.1	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
1086471	Soil	8	31	0.40	144	0.090	<1	1.28	0.014	0.29	<0.1	0.03	1.6	0.2	<0.05	4	<0.5	<0.2
1086470	Soil	12	45	0.53	114	0.108	1	2.17	0.012	0.09	0.1	0.04	3.3	0.1	<0.05	7	<0.5	<0.2
1086483	Soil	19	33	0.55	150	0.106	1	1.92	0.011	0.18	0.1	0.02	2.9	0.1	<0.05	5	<0.5	<0.2
1086478	Soil	10	39	0.57	175	0.124	1	2.08	0.011	0.26	0.1	0.03	2.9	0.2	<0.05	5	0.7	<0.2
1086466	Soil	16	64	0.98	368	0.125	1	2.38	0.011	0.28	0.1	0.03	5.5	0.2	<0.05	6	<0.5	<0.2
1086469	Soil	10	39	0.58	113	0.118	2	2.04	0.012	0.08	0.2	0.03	2.9	0.1	<0.05	7	0.6	<0.2
1086472	Soil	11	46	0.64	199	0.116	<1	1.76	0.007	0.50	<0.1	0.01	2.6	0.3	<0.05	5	0.6	<0.2
1086473	Soil	10	38	0.57	166	0.084	1	1.61	0.006	0.45	<0.1	0.01	2.4	0.3	<0.05	5	<0.5	<0.2
1086465	Soil	9	49	0.66	139	0.095	1	1.80	0.012	0.18	0.1	0.01	2.8	0.2	<0.05	6	<0.5	<0.2
1086463	Soil	7	26	0.37	180	0.102	<1	1.01	0.011	0.08	0.2	0.03	1.8	<0.1	<0.05	6	<0.5	<0.2
1086464	Soil	8	29	0.52	691	0.046	2	1.34	0.011	0.10	0.1	0.03	1.8	0.1	0.11	4	<0.5	<0.2
1086468	Soil	10	61	0.85	232	0.124	<1	1.88	0.009	0.35	0.1	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1086467	Soil	9	46	0.72	208	0.101	<1	1.81	0.011	0.17	0.1	0.01	3.4	0.2	<0.05	6	<0.5	<0.2



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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
1086462	Soil	2.4	44.3	10.6	202	<0.1	74.2	13.2	476	3.18	23.7	1.2	3.4	3.3	16	1.7	4.6	0.2	94	0.23	0.085
1086461	Soil	2.0	54.1	9.0	201	0.3	65.4	14.0	379	3.10	23.7	1.4	4.2	3.4	17	1.7	4.1	0.2	82	0.18	0.062
1086452	Soil	2.8	86.2	10.6	429	1.0	106.5	15.8	622	2.54	26.7	2.2	3.5	2.5	23	4.4	8.5	0.1	106	0.36	0.157
1086457	Soil	2.2	27.1	8.8	69	0.2	16.3	6.9	366	2.67	11.3	0.7	3.1	0.4	13	0.6	1.6	0.2	88	0.10	0.053
1086460	Soil	2.9	54.6	10.0	332	0.4	84.2	13.5	592	3.07	24.5	2.1	1.2	3.5	16	3.0	4.7	0.2	112	0.26	0.102
1081224	Soil	37.0	74.7	12.6	71	0.1	37.5	15.1	617	2.67	39.4	0.8	6.2	4.3	25	0.2	1.1	0.3	56	0.28	0.086
1086482	Soil	0.9	26.8	10.6	65	<0.1	36.2	16.5	418	2.94	13.3	1.1	3.9	5.7	12	0.3	2.0	0.2	47	0.16	0.053
1086475	Soil	1.3	39.2	8.3	90	<0.1	35.5	12.7	361	2.71	11.3	0.9	4.4	3.3	9	0.3	2.4	0.2	49	0.17	0.104
1086453	Soil	1.9	64.7	12.6	399	0.6	109.7	18.2	734	2.39	17.7	1.4	4.4	2.3	21	3.1	5.5	0.1	106	0.35	0.136
1086451	Soil	2.5	55.2	8.4	324	0.5	64.3	13.7	355	2.59	18.2	1.9	2.8	1.6	21	2.6	5.8	0.1	99	0.25	0.111
1086480	Soil	2.0	32.1	9.1	79	<0.1	31.1	11.6	276	3.22	35.7	1.3	6.0	3.0	12	0.5	4.2	0.2	64	0.13	0.066
1081223	Soil	21.0	67.8	7.6	26	0.2	10.8	7.6	485	1.20	10.3	0.8	5.2	0.5	20	0.3	0.4	<0.1	33	0.21	0.069
1086476	Soil	1.6	45.4	9.2	99	0.1	44.1	10.9	327	3.34	13.0	1.1	3.7	3.1	11	0.3	2.5	0.3	77	0.22	0.124
1086477	Soil	1.5	34.8	9.2	67	<0.1	35.6	13.9	357	3.23	10.2	0.8	3.3	3.1	13	0.2	3.0	0.2	65	0.17	0.074
1086481	Soil	1.0	29.4	12.1	73	<0.1	38.8	16.1	477	3.37	40.4	1.1	6.7	5.1	12	0.3	2.6	0.2	49	0.15	0.050
1084511	Soil	10.1	19.3	1.3	20	0.4	6.4	13.7	978	1.60	34.5	0.7	5.6	0.2	23	0.2	0.4	0.1	41	0.36	0.080
1084515	Soil	2.2	41.0	14.5	166	1.1	36.7	13.1	439	3.35	17.8	0.9	1.8	3.3	29	1.2	0.6	0.4	72	0.25	0.073
1084502	Soil	0.4	22.9	10.0	61	<0.1	23.7	8.4	241	2.02	10.6	0.6	3.0	6.4	21	0.1	0.3	0.2	40	0.37	0.076
1084513	Soil	2.7	56.7	29.4	153	0.7	33.3	9.3	362	2.29	36.1	1.5	12.5	2.5	29	0.9	0.6	0.7	53	0.45	0.080
1084507	Soil	1.0	26.3	8.8	61	0.2	21.6	7.2	191	1.92	11.1	1.1	1.9	3.2	23	0.2	0.3	0.2	42	0.36	0.063
1084503	Soil	0.8	26.6	9.9	64	0.1	28.9	12.6	213	2.61	11.8	1.2	5.8	4.7	26	0.2	0.4	0.2	50	0.40	0.071
1084516	Soil	2.6	50.9	11.3	104	1.3	27.4	10.5	257	3.10	17.2	2.0	2.2	1.6	30	0.8	0.7	0.3	91	0.29	0.142
1084508	Soil	1.9	34.7	11.9	90	0.4	27.1	9.8	237	2.34	16.7	1.1	34.7	4.1	28	0.3	0.5	0.2	60	0.44	0.076
1084505	Soil	0.6	23.5	10.3	66	<0.1	68.9	21.3	206	3.44	11.7	0.4	3.2	3.2	15	0.1	0.3	0.3	74	0.22	0.034
1084510	Soil	1.6	10.3	1.7	17	<0.1	3.7	7.9	326	1.06	4.0	0.2	1.9	0.2	20	<0.1	0.2	<0.1	33	0.32	0.052
1084514	Soil	3.3	55.2	69.1	317	1.1	53.7	13.1	334	3.12	62.0	1.6	24.1	5.2	32	1.8	0.8	1.8	66	0.26	0.098
1084517	Soil	2.5	45.5	12.2	99	1.4	24.9	9.6	259	2.97	15.7	1.9	4.7	1.2	28	0.8	0.6	0.3	93	0.30	0.121
1084512	Soil	3.6	60.7	3.8	67	1.0	31.3	11.3	2193	0.93	12.7	3.5	2.8	0.3	89	3.1	1.6	<0.1	13	2.32	0.158
1084501	Soil	1.1	22.3	8.6	62	0.1	27.0	9.0	210	2.54	11.0	0.7	<0.5	4.0	15	0.2	0.4	0.2	60	0.19	0.035
1084506	Soil	0.6	21.6	7.2	42	<0.1	21.6	7.1	136	1.71	14.7	0.5	4.5	3.6	12	0.2	0.3	0.2	42	0.16	0.033



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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
1086462	Soil	12	47	0.60	174	0.083	2	1.79	0.009	0.15	0.2	0.03	3.0	0.1	<0.05	6	<0.5	<0.2
1086461	Soil	11	45	0.58	135	0.085	1	2.21	0.011	0.11	0.2	0.06	3.0	0.1	<0.05	5	0.6	<0.2
1086452	Soil	12	35	0.53	197	0.067	1	1.70	0.009	0.07	0.3	0.06	2.6	0.3	<0.05	4	1.1	<0.2
1086457	Soil	6	20	0.21	85	0.055	<1	0.87	0.010	0.03	0.1	0.04	1.0	<0.1	<0.05	6	<0.5	<0.2
1086460	Soil	11	42	0.57	204	0.074	2	1.75	0.008	0.07	0.3	0.03	3.3	0.1	<0.05	6	0.8	<0.2
1081224	Soil	10	37	0.58	76	0.082	<1	1.20	0.021	0.10	0.7	0.02	2.4	0.1	<0.05	4	<0.5	<0.2
1086482	Soil	19	29	0.52	136	0.090	1	1.63	0.011	0.19	<0.1	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
1086475	Soil	10	31	0.46	148	0.076	<1	1.47	0.005	0.31	<0.1	<0.01	2.4	0.2	<0.05	4	<0.5	<0.2
1086453	Soil	10	42	0.68	163	0.076	2	1.73	0.009	0.08	0.4	0.07	2.8	0.3	<0.05	5	<0.5	<0.2
1086451	Soil	10	34	0.53	107	0.070	1	1.65	0.009	0.06	0.2	0.09	2.2	0.1	<0.05	5	1.2	<0.2
1086480	Soil	14	33	0.31	117	0.058	1	1.23	0.007	0.08	0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
1081223	Soil	5	12	0.14	44	0.039	1	0.46	0.019	0.03	<0.1	0.04	1.1	<0.1	0.06	2	<0.5	<0.2
1086476	Soil	11	43	0.70	225	0.109	<1	1.87	0.007	0.45	<0.1	0.02	3.0	0.3	0.05	6	<0.5	<0.2
1086477	Soil	11	37	0.56	140	0.091	1	1.90	0.007	0.24	<0.1	0.03	2.9	0.2	<0.05	5	<0.5	<0.2
1086481	Soil	16	31	0.55	199	0.093	<1	1.85	0.009	0.22	<0.1	0.02	3.1	0.2	<0.05	5	<0.5	<0.2
1084511	Soil	4	5	0.09	90	0.029	<1	0.31	0.040	0.03	0.1	0.03	0.7	<0.1	0.06	2	0.7	<0.2
1084515	Soil	11	42	0.75	201	0.092	<1	2.11	0.010	0.16	0.1	0.02	3.0	0.2	<0.05	7	<0.5	<0.2
1084502	Soil	16	32	0.59	163	0.090	<1	1.31	0.021	0.12	0.3	<0.01	2.6	0.2	<0.05	4	<0.5	<0.2
1084513	Soil	12	30	0.46	180	0.060	<1	1.16	0.014	0.20	0.2	0.05	2.6	0.2	0.07	4	1.2	<0.2
1084507	Soil	14	29	0.46	175	0.072	<1	1.28	0.014	0.11	0.2	0.01	2.6	0.1	<0.05	4	<0.5	<0.2
1084503	Soil	16	38	0.64	182	0.093	<1	1.74	0.014	0.09	0.2	0.05	3.5	0.1	<0.05	5	<0.5	<0.2
1084516	Soil	12	37	0.58	118	0.068	<1	1.71	0.011	0.13	0.2	0.04	2.2	0.2	0.06	6	0.6	<0.2
1084508	Soil	13	37	0.67	193	0.097	<1	1.60	0.015	0.12	0.2	0.03	3.2	0.2	<0.05	5	0.6	<0.2
1084505	Soil	7	103	0.85	146	0.162	<1	2.22	0.014	0.16	0.2	<0.01	3.8	0.1	<0.05	7	<0.5	<0.2
1084510	Soil	2	3	0.07	75	0.045	<1	0.19	0.044	0.03	<0.1	<0.01	0.5	<0.1	<0.05	2	<0.5	<0.2
1084514	Soil	17	42	0.62	173	0.094	<1	1.50	0.008	0.26	0.2	0.01	3.2	0.4	0.07	5	1.2	<0.2
1084517	Soil	11	37	0.55	120	0.071	<1	1.61	0.011	0.13	0.2	0.03	2.2	0.2	<0.05	6	<0.5	<0.2
1084512	Soil	12	12	0.20	320	0.012	4	0.49	0.014	0.03	<0.1	0.10	1.2	<0.1	0.27	<1	4.4	<0.2
1084501	Soil	11	37	0.47	142	0.099	<1	1.64	0.014	0.07	0.2	<0.01	2.3	0.1	<0.05	6	<0.5	<0.2
1084506	Soil	8	26	0.35	122	0.057	<1	1.35	0.012	0.08	0.3	<0.01	1.9	0.1	<0.05	4	<0.5	<0.2



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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 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
1081952	Soil	0.9	47.3	10.2	68	<0.1	45.7	18.0	571	3.29	17.0	0.8	6.8	3.5	19	0.2	0.6	0.2	70	0.22	0.049
1081961	Soil	1.2	38.5	21.4	97	0.5	36.7	11.0	377	3.50	64.8	0.9	32.1	4.8	14	0.2	2.1	0.2	38	0.24	0.078
1081953	Soil	1.1	44.9	8.4	80	<0.1	44.3	15.3	422	3.35	15.9	0.7	1.9	2.8	17	0.2	0.7	0.2	73	0.25	0.065
1081951	Soil	0.8	40.7	21.5	78	0.7	48.6	16.1	721	3.66	174.3	1.1	44.5	5.7	21	0.2	2.6	0.2	55	0.30	0.077
1081963	Soil	1.0	45.3	17.7	100	0.5	37.4	11.4	328	3.40	80.2	1.2	20.5	3.9	17	0.3	1.6	0.2	60	0.25	0.084
1081955	Soil	1.8	31.2	7.7	60	0.1	18.3	8.0	277	3.10	11.6	0.7	3.0	0.3	15	0.2	0.8	0.2	79	0.14	0.067
1081956	Soil	1.8	33.1	11.8	82	0.2	29.3	9.0	307	3.77	18.2	0.6	3.9	1.9	21	0.2	0.9	0.2	83	0.21	0.046
1081954	Soil	2.1	40.4	10.8	81	0.1	29.0	11.7	470	3.37	18.9	0.8	3.2	0.9	20	0.2	1.0	0.2	75	0.19	0.059
1081959	Soil	1.4	46.0	12.5	87	<0.1	59.4	15.4	343	4.82	19.0	0.8	1.7	3.6	21	0.2	0.6	0.2	91	0.23	0.041
1086459	Soil	2.8	55.5	8.4	273	0.3	85.9	13.4	501	2.52	17.4	1.6	2.6	3.9	15	1.5	5.9	0.1	86	0.17	0.053
1086455	Soil	3.1	70.0	12.6	446	0.6	106.8	16.4	550	3.90	37.8	2.3	2.2	4.1	23	3.5	6.3	0.2	126	0.33	0.138
1086458	Soil	3.1	60.0	25.8	214	0.3	68.2	16.1	658	3.26	26.0	1.6	3.0	2.9	22	3.0	4.3	0.2	104	0.24	0.073
1086456	Soil	2.1	71.4	10.0	262	0.6	79.6	14.2	464	3.23	18.4	2.5	4.1	3.5	25	1.8	4.4	0.2	106	0.39	0.125
1086454	Soil	3.2	45.1	9.1	109	0.6	29.1	5.8	172	2.26	14.3	1.6	10.7	0.1	23	1.5	3.8	0.2	72	0.19	0.103
1081957	Soil	1.1	44.4	8.8	80	0.3	41.8	14.4	407	3.13	15.6	0.8	5.6	2.3	16	0.3	0.7	0.2	68	0.20	0.058
1081964	Soil	0.9	40.0	8.2	85	0.1	30.5	9.2	281	2.92	43.5	0.9	4.4	2.0	14	0.1	0.8	0.2	70	0.18	0.073
1081980	Soil	1.4	44.4	9.4	76	<0.1	36.9	11.2	365	3.33	14.1	0.9	2.7	3.0	13	0.1	0.5	0.2	74	0.17	0.053
1081978	Soil	1.2	37.3	9.1	68	0.1	30.0	9.5	290	3.01	26.2	0.7	1.8	1.7	11	<0.1	0.6	0.2	60	0.14	0.062
1081983	Soil	1.4	41.1	9.7	76	<0.1	33.9	9.3	289	3.29	18.2	0.7	1.1	1.9	9	<0.1	0.5	0.2	74	0.09	0.036
1081960	Soil	0.3	24.1	2.0	26	<0.1	6.1	4.7	164	1.40	3.0	0.3	1.4	0.3	40	<0.1	0.1	<0.1	48	0.75	0.049
1081981	Soil	2.5	42.0	11.9	73	<0.1	27.4	9.0	329	3.95	17.7	0.8	2.1	1.6	13	0.1	1.0	0.3	90	0.12	0.038
1081965	Soil	0.6	48.5	10.9	93	0.2	38.6	14.6	654	3.13	77.5	1.0	5.9	4.0	13	0.1	1.7	0.2	71	0.23	0.079
1081976	Soil	1.9	39.8	9.6	67	0.2	25.6	8.8	321	3.00	26.3	0.9	2.6	0.2	18	0.2	1.0	0.2	61	0.14	0.101
1081979	Soil	1.5	46.5	10.9	84	<0.1	39.2	12.8	465	3.39	27.8	1.0	6.6	3.2	11	0.2	0.5	0.2	67	0.14	0.056
1081973	Soil	3.6	51.7	9.5	69	0.1	31.4	8.7	319	3.34	17.6	1.1	7.4	2.0	20	0.2	0.9	0.2	98	0.11	0.046
1081969	Soil	1.5	44.8	16.1	91	0.1	37.8	11.4	302	3.44	120.9	1.3	8.3	3.6	11	0.3	1.6	0.2	76	0.11	0.036
1081977	Soil	0.8	17.0	2.6	33	<0.1	7.2	5.1	146	1.80	1.6	0.3	<0.5	0.1	11	<0.1	0.2	<0.1	61	0.10	0.041
1081958	Soil	1.6	50.3	10.8	89	0.1	53.2	16.2	428	3.58	16.0	0.9	3.6	3.0	19	0.3	0.7	0.2	87	0.21	0.060
1081962	Soil	0.8	37.1	9.9	72	0.1	37.0	14.9	442	3.09	23.9	0.7	5.7	1.8	15	0.2	1.0	0.1	67	0.20	0.054
1081971	Soil	1.0	35.2	9.7	65	0.2	30.2	10.7	323	2.90	79.5	0.9	4.9	3.5	11	0.2	1.2	0.1	58	0.12	0.041



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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
1081952	Soil	11	46	0.75	98	0.115	3	2.52	0.016	0.11	0.1	0.04	3.7	<0.1	0.08	6	<0.5
1081961	Soil	20	29	0.37	72	0.019	1	1.04	0.006	0.08	0.1	0.03	2.4	<0.1	0.08	3	<0.5
1081953	Soil	13	48	0.70	114	0.129	1	1.91	0.012	0.20	0.1	0.03	3.0	0.2	0.06	6	<0.5
1081951	Soil	26	41	0.53	165	0.072	1	1.34	0.013	0.12	0.1	0.02	4.2	0.1	0.06	4	<0.5
1081963	Soil	14	31	0.45	105	0.088	<1	1.38	0.008	0.15	0.1	0.02	2.8	0.1	<0.05	4	<0.5
1081955	Soil	6	27	0.33	56	0.065	1	1.08	0.011	0.05	<0.1	0.06	1.1	<0.1	0.12	6	<0.5
1081956	Soil	8	38	0.49	140	0.129	2	1.39	0.009	0.11	0.1	0.02	2.3	<0.1	0.06	8	<0.5
1081954	Soil	9	36	0.52	105	0.092	2	1.64	0.015	0.11	<0.1	0.05	2.1	0.1	0.07	6	0.5
1081959	Soil	11	73	1.02	131	0.226	1	2.43	0.014	0.28	0.1	0.02	4.5	0.2	<0.05	10	<0.5
1086459	Soil	11	38	0.78	178	0.083	1	1.66	0.009	0.15	0.3	0.02	3.9	0.2	<0.05	5	1.8
1086455	Soil	17	69	0.85	362	0.117	1	2.09	0.008	0.27	0.2	0.04	4.3	0.2	<0.05	7	1.1
1086458	Soil	12	50	0.64	272	0.103	<1	1.71	0.012	0.09	0.2	0.04	3.1	<0.1	<0.05	7	0.6
1086456	Soil	16	62	0.75	311	0.090	<1	1.97	0.015	0.09	0.2	0.04	4.8	0.1	<0.05	6	0.8
1086454	Soil	7	22	0.19	119	0.029	1	0.94	0.012	0.04	0.1	0.08	0.8	<0.1	0.07	5	0.7
1081957	Soil	10	39	0.59	120	0.131	1	1.76	0.011	0.25	0.1	0.03	2.6	0.2	<0.05	5	<0.5
1081964	Soil	11	31	0.46	107	0.102	1	1.40	0.011	0.27	0.1	0.04	2.0	0.2	<0.05	5	<0.5
1081980	Soil	12	40	0.60	107	0.146	<1	1.73	0.008	0.30	<0.1	0.02	2.7	0.2	<0.05	6	<0.5
1081978	Soil	9	34	0.56	127	0.110	<1	1.50	0.006	0.36	<0.1	0.02	2.4	0.2	<0.05	6	<0.5
1081983	Soil	8	42	0.61	114	0.144	1	1.65	0.008	0.35	<0.1	0.03	2.7	0.2	<0.05	7	<0.5
1081960	Soil	4	7	0.15	35	0.080	1	0.41	0.021	0.02	<0.1	0.02	0.5	<0.1	0.11	2	<0.5
1081981	Soil	10	41	0.51	78	0.131	2	1.69	0.008	0.16	<0.1	0.04	2.4	0.1	<0.05	8	<0.5
1081965	Soil	15	40	0.57	197	0.121	<1	1.75	0.008	0.33	0.8	0.02	3.6	0.2	<0.05	5	0.5
1081976	Soil	9	30	0.43	114	0.040	1	1.33	0.012	0.13	<0.1	0.05	1.1	0.1	0.06	5	<0.5
1081979	Soil	12	39	0.64	130	0.135	<1	1.71	0.007	0.42	<0.1	0.02	2.8	0.3	<0.05	6	<0.5
1081973	Soil	10	54	0.63	114	0.144	<1	1.51	0.011	0.23	<0.1	0.04	3.1	0.2	<0.05	7	0.5
1081969	Soil	16	38	0.52	87	0.111	<1	1.88	0.009	0.23	0.6	0.06	2.8	0.2	<0.05	6	0.5
1081977	Soil	3	10	0.15	39	0.071	<1	0.42	0.014	0.04	<0.1	0.02	0.5	<0.1	<0.05	3	<0.5
1081958	Soil	10	46	0.70	185	0.158	<1	1.87	0.011	0.25	0.1	0.02	3.1	0.2	<0.05	6	<0.5
1081962	Soil	10	37	0.53	102	0.080	<1	2.11	0.011	0.09	0.2	0.04	2.9	<0.1	<0.05	5	<0.5
1081971	Soil	13	34	0.47	86	0.099	<1	1.72	0.009	0.13	0.4	0.06	2.5	0.1	<0.05	4	<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	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
1081970	Soil	1.0	46.5	10.0	94	0.1	37.0	12.1	370	3.52	106.0	1.2	4.8	4.0	14	0.2	1.5	0.2	70	0.20	0.086
1081974	Soil	1.2	52.3	8.4	80	<0.1	71.7	16.1	419	3.65	20.3	0.8	1.4	3.3	10	0.2	0.8	0.2	117	0.14	0.050
1081984	Soil	1.3	41.1	9.8	75	<0.1	33.4	9.4	308	3.35	17.2	0.7	2.4	2.1	9	<0.1	0.5	0.2	73	0.09	0.036
1081982	Soil	2.3	37.2	11.4	65	<0.1	25.4	8.0	320	3.81	15.1	0.8	3.9	1.5	13	0.1	0.9	0.3	79	0.11	0.036
1084504	Soil	0.9	5.8	0.9	17	<0.1	3.2	4.0	521	0.96	<0.5	0.2	<0.5	0.2	20	<0.1	<0.1	<0.1	32	0.29	0.043
1081972	Soil	1.7	54.6	11.5	86	0.2	47.6	11.9	569	2.86	107.4	1.7	7.6	4.8	9	0.2	1.7	0.2	61	0.11	0.058
1081968	Soil	0.9	31.4	8.7	69	0.2	30.4	11.7	339	2.84	68.1	0.7	9.8	2.7	13	0.2	0.8	0.2	69	0.19	0.041
1081975	Soil	2.0	33.4	8.2	64	0.2	22.5	8.0	273	2.78	58.2	0.7	2.4	0.7	13	0.3	1.0	0.3	66	0.14	0.065
1081967	Soil	1.0	37.7	9.0	79	0.2	31.5	12.0	387	2.77	176.0	0.8	6.7	2.6	9	0.2	1.2	0.2	58	0.14	0.061



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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
1081970	Soil	16	37	0.53	112	0.104	1	1.74	0.008	0.31	0.3	0.03	2.7	0.3	<0.05	5	<0.5	<0.2
1081974	Soil	11	112	1.18	189	0.195	<1	2.35	0.009	0.47	0.1	0.01	6.0	0.2	<0.05	9	<0.5	<0.2
1081984	Soil	9	41	0.62	118	0.149	1	1.63	0.007	0.35	<0.1	0.02	2.7	0.2	<0.05	7	<0.5	<0.2
1081982	Soil	10	39	0.50	75	0.126	1	1.64	0.008	0.15	<0.1	0.04	2.3	0.1	<0.05	7	<0.5	<0.2
1084504	Soil	2	4	0.09	66	0.060	<1	0.26	0.053	0.04	<0.1	<0.01	0.4	<0.1	<0.05	2	<0.5	<0.2
1081972	Soil	20	34	0.47	112	0.099	<1	1.58	0.007	0.26	<0.1	0.04	2.5	0.2	<0.05	5	<0.5	<0.2
1081968	Soil	10	34	0.57	89	0.111	3	1.83	0.009	0.15	0.4	0.03	3.1	0.1	<0.05	5	0.5	<0.2
1081975	Soil	7	25	0.33	102	0.072	2	1.01	0.009	0.22	0.1	0.04	1.6	0.1	0.12	5	<0.5	<0.2
1081967	Soil	10	30	0.45	84	0.080	2	1.45	0.006	0.24	0.3	0.03	2.3	0.2	0.07	5	0.5	<0.2



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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																				
1084529	Soil	1.2	42.9	18.4	96	0.3	68.7	21.4	528	4.27	62.4	0.9	3.1	8.2	26	0.3	0.5	0.3	85	0.45
REP 1084529	QC	1.2	44.0	18.7	94	0.3	67.5	21.5	513	4.25	60.6	0.9	2.7	8.3	26	0.3	0.5	0.3	84	0.44
1081320	Soil	2.5	47.6	114.2	226	0.4	56.3	16.9	507	3.78	30.5	1.1	4.2	4.4	27	1.7	0.9	0.2	94	0.34
REP 1081320	QC	2.6	45.0	110.9	215	0.4	54.8	16.1	478	3.59	29.8	1.1	3.2	4.2	26	1.9	0.9	0.2	92	0.32
1081303	Soil	1.3	50.3	18.5	117	0.5	51.2	19.1	357	3.89	30.8	0.9	6.3	4.6	17	0.4	0.8	0.3	86	0.17
REP 1081303	QC	1.4	50.2	18.4	116	0.5	51.9	18.9	350	3.85	30.8	0.9	7.5	4.7	16	0.5	0.8	0.3	83	0.16
1083001	Soil	1.0	32.7	13.1	75	<0.1	35.4	13.2	562	3.40	17.1	0.9	2.7	1.8	19	0.2	0.8	0.2	63	0.22
REP 1083001	QC	1.1	32.3	13.7	74	<0.1	34.7	13.4	562	3.31	17.3	0.9	2.9	1.8	18	0.3	0.7	0.2	61	0.22
1085274	Soil	1.8	42.9	14.2	63	0.4	14.8	7.9	366	2.59	20.2	0.5	7.7	1.3	21	0.3	0.7	0.3	72	0.18
REP 1085274	QC	1.6	42.9	13.7	63	0.4	15.3	7.7	372	2.57	20.5	0.6	1.2	1.3	21	0.4	0.7	0.3	73	0.16
1081202	Soil	2.5	54.9	24.9	252	0.2	45.1	16.8	385	3.06	20.0	0.9	23.9	3.6	32	0.7	0.5	0.4	62	0.64
REP 1081202	QC	2.5	56.3	25.3	260	0.3	44.9	16.6	396	3.05	19.7	0.8	104.1	3.5	33	0.5	0.5	0.3	62	0.66
1085268	Soil	1.8	50.4	17.4	134	0.5	102.8	26.3	459	4.92	25.9	0.9	2.6	3.8	30	0.4	0.8	0.4	105	0.27
REP 1085268	QC	1.9	52.7	18.1	138	0.4	106.9	26.7	476	5.18	26.8	0.9	2.2	3.9	31	0.3	0.8	0.4	107	0.28
1081231	Soil	2.8	43.0	11.4	63	0.2	25.3	9.1	255	2.20	31.0	0.8	5.4	1.5	26	0.3	0.6	0.2	63	0.24
REP 1081231	QC	3.3	44.9	12.2	64	0.3	26.6	9.3	263	2.21	32.1	0.8	3.3	1.5	27	0.2	0.6	0.2	62	0.25
1086468	Soil	0.9	39.3	7.0	82	<0.1	49.6	15.7	353	3.25	14.6	0.7	2.4	2.6	16	0.4	2.6	0.2	74	0.33
REP 1086468	QC	0.8	39.2	7.1	78	0.1	48.2	15.8	331	3.20	14.4	0.7	4.0	2.7	15	0.4	2.2	0.1	71	0.30
1084514	Soil	3.3	55.2	69.1	317	1.1	53.7	13.1	334	3.12	62.0	1.6	24.1	5.2	32	1.8	0.8	1.8	66	0.26
REP 1084514	QC	3.3	60.6	68.7	328	1.1	60.2	14.7	388	3.53	65.7	1.7	8.7	5.2	32	1.6	0.8	1.8	68	0.28
1081956	Soil	1.8	33.1	11.8	82	0.2	29.3	9.0	307	3.77	18.2	0.6	3.9	1.9	21	0.2	0.9	0.2	83	0.21
REP 1081956	QC	1.8	34.8	12.2	81	0.2	29.9	9.2	311	3.82	18.7	0.7	3.0	1.9	21	0.2	0.9	0.2	84	0.21
1081983	Soil	1.4	41.1	9.7	76	<0.1	33.9	9.3	289	3.29	18.2	0.7	1.1	1.9	9	<0.1	0.5	0.2	74	0.09
REP 1081983	QC	1.3	42.0	9.6	77	<0.1	34.5	9.7	304	3.41	17.9	0.8	2.0	1.9	9	0.1	0.5	0.2	75	0.10
Reference Materials																				
STD DS8	Standard	12.5	110.1	127.5	314	1.8	38.6	7.8	629	2.57	27.8	2.8	111.4	6.5	64	2.4	5.9	6.7	40	0.69
STD DS8	Standard	13.3	106.3	113.7	315	1.8	38.0	7.5	614	2.44	27.2	2.6	107.1	6.7	67	2.4	5.8	6.3	42	0.69
STD DS8	Standard	12.6	102.5	117.5	294	1.6	35.0	7.4	587	2.41	25.5	2.6	99.4	6.7	68	2.2	5.6	6.2	39	0.66



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Part 2

QUALITY CONTROL REPORT

WHI11000715.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1084529	Soil	15	100	1.37	145	0.121	<1	2.67	0.017	0.44	0.3	0.02	6.9	0.3	<0.05	8	<0.5	<0.2
REP 1084529	QC	15	99	1.38	139	0.121	2	2.62	0.017	0.45	0.4	<0.01	6.9	0.2	<0.05	8	<0.5	<0.2
1081320	Soil	12	50	1.13	205	0.109	2	2.61	0.015	0.16	0.8	0.02	4.0	0.2	<0.05	8	<0.5	<0.2
REP 1081320	QC	12	49	1.07	207	0.108	2	2.47	0.014	0.16	0.8	0.01	4.0	0.2	<0.05	7	<0.5	<0.2
1081303	Soil	10	56	0.79	227	0.121	1	2.73	0.015	0.22	0.2	<0.01	4.6	0.2	<0.05	7	0.7	<0.2
REP 1081303	QC	10	53	0.78	225	0.119	<1	2.73	0.014	0.22	0.2	<0.01	4.3	0.2	<0.05	7	<0.5	<0.2
1083001	Soil	12	37	0.60	190	0.071	2	2.31	0.013	0.09	<0.1	0.04	3.0	<0.1	<0.05	6	<0.5	<0.2
REP 1083001	QC	12	37	0.58	188	0.068	2	2.24	0.012	0.09	0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
1085274	Soil	9	22	0.30	173	0.065	<1	1.22	0.012	0.12	0.2	<0.01	1.7	0.1	<0.05	7	<0.5	<0.2
REP 1085274	QC	10	23	0.30	179	0.064	1	1.20	0.013	0.12	0.2	<0.01	1.7	0.1	<0.05	7	<0.5	<0.2
1081202	Soil	10	56	0.86	76	0.101	1	1.37	0.018	0.13	1.1	0.02	2.8	0.1	0.05	6	<0.5	<0.2
REP 1081202	QC	10	56	0.87	80	0.105	<1	1.39	0.018	0.14	1.1	0.01	2.9	0.1	<0.05	6	0.8	<0.2
1085268	Soil	11	127	1.29	208	0.144	3	3.44	0.022	0.15	0.1	0.03	4.5	0.2	<0.05	9	0.8	<0.2
REP 1085268	QC	11	128	1.34	214	0.140	1	3.64	0.021	0.16	0.2	0.03	4.5	0.2	<0.05	10	0.5	<0.2
1081231	Soil	9	36	0.48	101	0.088	1	1.08	0.020	0.11	0.4	0.02	1.9	0.1	0.08	5	0.5	<0.2
REP 1081231	QC	9	37	0.49	103	0.091	1	1.11	0.021	0.11	0.5	0.03	1.9	<0.1	0.08	5	<0.5	<0.2
1086468	Soil	10	61	0.85	232	0.124	<1	1.88	0.009	0.35	0.1	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
REP 1086468	QC	10	57	0.81	223	0.117	<1	1.78	0.008	0.32	<0.1	0.02	3.1	0.2	<0.05	5	<0.5	<0.2
1084514	Soil	17	42	0.62	173	0.094	<1	1.50	0.008	0.26	0.2	0.01	3.2	0.4	0.07	5	1.2	<0.2
REP 1084514	QC	18	46	0.67	183	0.099	<1	1.59	0.008	0.31	0.2	0.01	3.5	0.4	0.06	6	1.2	<0.2
1081956	Soil	8	38	0.49	140	0.129	2	1.39	0.009	0.11	0.1	0.02	2.3	<0.1	0.06	8	<0.5	<0.2
REP 1081956	QC	9	38	0.50	145	0.134	1	1.47	0.009	0.11	0.1	0.03	2.2	<0.1	0.07	8	<0.5	<0.2
1081983	Soil	8	42	0.61	114	0.144	1	1.65	0.008	0.35	<0.1	0.03	2.7	0.2	<0.05	7	<0.5	<0.2
REP 1081983	QC	8	43	0.63	116	0.149	1	1.66	0.008	0.35	<0.1	0.03	2.6	0.2	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	119	0.63	273	0.109	4	0.88	0.092	0.45	3.0	0.19	2.4	5.6	0.20	5	5.7	5.2
STD DS8	Standard	15	115	0.64	284	0.113	2	0.95	0.111	0.44	3.1	0.22	2.9	5.3	0.16	5	5.6	5.3
STD DS8	Standard	15	108	0.57	261	0.110	2	0.90	0.099	0.41	2.8	0.18	2.7	5.3	0.13	5	4.5	5.0



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Part 1

QUALITY CONTROL REPORT

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		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
STD DS8	Standard	14.3	112.6	122.3	316	1.8	39.2	7.6	630	2.49	27.9	2.6	114.3	7.3	69	2.5	5.8	6.6	43	0.70	0.083
STD DS8	Standard	14.3	117.0	128.8	317	1.8	39.0	7.8	616	2.44	26.9	2.9	113.0	7.4	72	2.4	6.1	6.8	46	0.69	0.078
STD DS8	Standard	12.8	107.2	126.5	309	1.8	37.0	7.5	610	2.42	26.4	2.7	106.1	6.9	68	2.4	5.1	6.6	41	0.70	0.081
STD DS8	Standard	15.2	124.9	133.8	325	1.8	42.7	8.5	636	2.59	30.1	3.0	113.7	7.3	74	2.2	5.9	6.7	52	0.74	0.078
STD DS8	Standard	12.5	111.5	126.5	318	1.7	38.7	7.6	624	2.45	25.7	2.6	115.2	6.4	61	2.6	5.2	6.2	43	0.70	0.079
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
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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Part 2

QUALITY CONTROL REPORT

WHI11000715.1

		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
STD DS8	Standard	16	118	0.62	298	0.120	3	0.96	0.102	0.43	3.1	0.21	2.8	5.5	0.19	5	4.9	4.9
STD DS8	Standard	16	121	0.62	283	0.141	3	0.94	0.089	0.42	3.0	0.21	2.2	5.3	0.14	5	5.0	5.0
STD DS8	Standard	15	116	0.62	278	0.111	2	0.93	0.101	0.42	2.9	0.17	2.2	5.6	0.17	5	4.6	4.9
STD DS8	Standard	16	134	0.64	282	0.150	3	0.94	0.093	0.42	3.0	0.22	2.2	5.3	0.22	5	5.7	4.8
STD DS8	Standard	13	121	0.60	265	0.112	<1	0.89	0.093	0.43	3.1	0.20	2.5	5.3	0.17	5	5.2	4.7
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	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	<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



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Submitted By: Mike Skead

Receiving Lab: Canada-Whitehorse

Received: July 15, 2011

Report Date: August 13, 2011

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CERTIFICATE OF ANALYSIS

WHI11000716.1

CLIENT JOB INFORMATION

Project: PLU
Shipment ID:
P.O. Number
Number of Samples: 195

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	195	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	195	Dry at 60C			VAN
1DX2	195	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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Part 1

CERTIFICATE OF ANALYSIS

WHI11000716.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1086230	Soil	0.9	30.7	9.6	69	<0.1	35.8	14.1	406	3.62	13.2	0.7	<0.5	4.2	12	0.1	0.8	0.2	68	0.21
1086225	Soil	1.1	53.2	7.4	55	<0.1	57.3	18.3	325	3.47	11.7	0.5	0.7	2.4	20	0.1	0.9	0.2	73	0.32
1086228	Soil	2.0	22.9	11.8	54	0.1	25.2	10.5	263	3.34	12.3	0.8	1.8	3.4	10	0.1	0.6	0.3	74	0.11
1086229	Soil	0.8	30.4	9.1	65	<0.1	37.4	14.9	412	3.71	13.4	0.7	1.5	4.0	11	0.1	0.7	0.2	67	0.20
1086226	Soil	1.2	30.3	10.2	65	<0.1	42.3	16.9	538	3.75	14.9	0.7	0.7	3.4	17	0.2	0.9	0.2	67	0.23
1086222	Soil	1.1	35.9	20.5	80	0.3	37.0	13.8	436	3.30	71.5	0.8	10.5	3.7	16	0.3	1.2	0.2	65	0.18
1086221	Soil	1.7	38.5	18.3	71	0.2	28.2	13.2	843	3.59	60.5	0.9	6.0	3.2	14	0.3	0.9	0.2	70	0.17
1086223	Soil	1.8	34.6	33.4	248	1.3	67.0	23.8	1069	4.40	182.0	1.3	36.2	3.8	32	1.1	3.3	0.3	61	0.16
1086224	Soil	1.3	34.9	12.5	84	0.2	54.7	18.0	946	3.28	60.6	0.7	16.1	3.0	18	0.3	1.7	0.2	68	0.25
1086227	Soil	1.1	35.3	9.8	66	<0.1	53.1	18.5	441	3.67	10.6	1.0	<0.5	5.2	16	0.2	0.5	0.2	63	0.19
1003466	Soil	1.6	32.4	13.4	79	0.5	30.7	14.3	558	3.65	87.7	0.8	11.9	3.0	15	0.2	1.3	0.3	61	0.15
1086217	Soil	1.1	31.9	12.3	78	0.4	32.2	15.3	886	3.33	22.3	0.8	3.1	3.9	26	0.3	0.6	0.2	69	0.35
1086216	Soil	0.8	35.5	11.1	67	0.3	33.8	14.2	1253	3.61	16.9	0.8	1.6	5.1	41	0.1	0.4	0.2	70	1.99
1086214	Soil	0.9	34.7	11.0	69	0.4	31.5	13.1	679	3.21	59.4	1.4	11.5	5.3	24	0.1	2.3	0.2	49	0.25
1003461	Soil	1.4	35.8	12.3	74	0.9	34.8	14.3	343	3.30	88.8	0.9	12.4	3.9	16	0.2	1.3	0.3	53	0.17
1086218	Soil	1.3	19.7	9.0	46	<0.1	15.7	9.0	625	2.40	17.5	0.5	<0.5	2.2	16	0.1	0.5	0.2	49	0.20
1003465	Soil	1.2	33.3	10.0	70	1.3	31.0	12.4	375	3.21	44.5	0.8	16.3	3.3	14	0.2	0.9	0.2	58	0.15
1003468	Soil	2.3	26.1	12.0	50	0.5	19.0	5.7	154	2.92	49.2	0.8	6.7	1.7	13	<0.1	1.1	0.2	65	0.10
1086215	Soil	1.2	24.8	9.9	63	0.1	23.7	14.4	604	3.67	9.4	0.8	<0.5	4.1	29	0.1	0.4	0.2	75	0.30
1003464	Soil	2.2	32.7	11.3	45	0.4	13.5	4.5	101	2.19	31.5	0.7	39.1	1.1	16	<0.1	1.2	0.2	48	0.10
1086202	Soil	1.4	35.3	13.5	76	0.4	37.2	14.5	431	3.69	48.8	0.8	5.4	3.7	14	0.3	0.8	0.3	66	0.17
1086144	Soil	1.2	30.1	24.4	59	0.3	28.3	11.6	361	2.84	38.5	0.7	8.1	3.6	19	0.4	0.8	0.2	57	0.20
1086146	Soil	1.5	49.2	10.6	71	0.3	26.3	7.0	197	2.71	14.9	0.8	1.9	0.8	16	0.1	0.6	0.2	63	0.15
1086220	Soil	2.6	25.4	16.6	54	0.1	22.3	8.7	283	3.74	21.5	0.7	3.5	3.1	17	0.2	0.9	0.3	78	0.16
1086219	Soil	0.7	25.3	12.7	61	0.2	29.5	11.9	751	2.83	32.9	0.8	2.7	4.6	15	0.2	1.0	0.2	38	0.19
1086148	Soil	1.7	33.2	11.8	63	0.2	24.6	8.8	305	3.69	30.6	0.7	2.2	2.8	15	0.2	0.8	0.3	73	0.14
1086143	Soil	0.9	30.0	24.0	61	0.3	27.7	11.4	359	2.89	38.6	0.7	11.8	3.4	19	0.4	0.8	0.2	56	0.19
1086145	Soil	2.6	32.1	12.1	69	0.2	22.9	6.9	258	2.92	30.0	0.7	5.4	2.1	12	0.1	1.0	0.3	79	0.11
1086147	Soil	1.6	37.4	11.5	67	0.4	24.2	9.2	263	3.26	34.9	0.9	6.5	3.8	18	0.1	0.8	0.2	60	0.15
1003463	Soil	1.8	31.8	10.8	63	0.4	22.6	8.6	294	3.52	78.2	0.7	9.8	2.7	15	0.1	1.2	0.2	63	0.12



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Project: PLU
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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
1086230	Soil	13	47	0.94	108	0.122	1	2.10	0.008	0.24	0.1	<0.01	3.8	0.2	<0.05	7	0.6	<0.2
1086225	Soil	9	65	0.96	123	0.143	3	1.86	0.011	0.17	0.1	<0.01	3.0	0.1	<0.05	7	<0.5	<0.2
1086228	Soil	9	39	0.55	73	0.109	3	2.32	0.007	0.10	0.1	0.03	2.8	0.1	<0.05	8	0.6	<0.2
1086229	Soil	13	47	1.01	112	0.125	2	2.25	0.007	0.25	0.1	0.02	3.8	0.2	<0.05	7	<0.5	<0.2
1086226	Soil	11	50	0.92	115	0.139	1	2.15	0.011	0.16	0.1	0.01	3.6	0.1	<0.05	8	0.5	<0.2
1086222	Soil	12	39	0.68	133	0.099	2	2.11	0.010	0.18	0.1	0.02	3.2	0.1	<0.05	6	0.7	<0.2
1086221	Soil	11	35	0.57	107	0.102	3	1.73	0.010	0.21	<0.1	0.02	2.7	0.1	<0.05	8	0.8	<0.2
1086223	Soil	22	58	0.82	168	0.049	1	2.23	0.009	0.10	0.1	0.03	5.4	0.2	<0.05	6	0.9	<0.2
1086224	Soil	12	67	0.81	178	0.084	2	1.63	0.008	0.18	0.1	<0.01	3.1	0.1	<0.05	5	0.5	<0.2
1086227	Soil	14	64	1.01	122	0.149	3	2.78	0.013	0.25	0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
1003466	Soil	11	33	0.54	130	0.083	2	1.79	0.008	0.15	0.1	0.03	2.7	0.1	0.05	6	<0.5	<0.2
1086217	Soil	16	46	1.04	367	0.090	2	2.40	0.015	0.10	0.1	<0.01	5.0	0.1	<0.05	6	<0.5	0.3
1086216	Soil	20	45	2.63	324	0.139	2	2.52	0.020	0.13	0.2	0.02	6.5	0.3	<0.05	7	<0.5	<0.2
1086214	Soil	19	33	0.56	258	0.064	2	1.49	0.007	0.13	0.2	<0.01	3.5	0.1	<0.05	5	0.6	<0.2
1003461	Soil	12	31	0.48	147	0.069	2	1.68	0.008	0.15	0.1	0.01	2.6	0.1	<0.05	5	<0.5	<0.2
1086218	Soil	9	22	0.37	77	0.062	2	0.92	0.019	0.08	0.1	<0.01	1.5	<0.1	<0.05	6	<0.5	<0.2
1003465	Soil	10	36	0.61	116	0.086	3	2.28	0.010	0.12	0.2	0.06	2.9	<0.1	0.07	5	0.7	<0.2
1003468	Soil	10	25	0.28	92	0.050	2	1.28	0.006	0.05	<0.1	0.03	1.6	0.1	<0.05	6	0.7	<0.2
1086215	Soil	12	41	0.70	109	0.164	1	1.93	0.024	0.33	0.1	0.01	4.3	0.2	<0.05	10	<0.5	<0.2
1003464	Soil	9	17	0.20	112	0.046	<1	0.87	0.012	0.10	<0.1	0.01	1.2	0.1	0.07	4	0.7	<0.2
1086202	Soil	9	39	0.56	143	0.117	1	2.43	0.009	0.14	0.1	0.03	3.2	0.1	<0.05	6	<0.5	<0.2
1086144	Soil	10	33	0.52	146	0.087	1	1.81	0.010	0.12	0.2	0.02	3.0	0.1	<0.05	5	0.9	<0.2
1086146	Soil	9	31	0.43	150	0.080	1	1.43	0.011	0.25	<0.1	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
1086220	Soil	11	34	0.44	88	0.090	<1	1.73	0.007	0.06	0.1	0.02	2.6	0.1	<0.05	9	0.8	<0.2
1086219	Soil	14	26	0.66	147	0.056	1	1.60	0.009	0.07	0.1	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
1086148	Soil	9	33	0.51	106	0.101	2	1.61	0.008	0.13	0.1	0.01	2.3	0.1	<0.05	7	0.7	<0.2
1086143	Soil	9	33	0.50	146	0.089	2	1.82	0.010	0.12	0.1	0.01	2.9	0.1	<0.05	4	<0.5	<0.2
1086145	Soil	10	30	0.35	86	0.095	2	1.23	0.006	0.16	<0.1	0.02	1.8	0.1	<0.05	7	<0.5	<0.2
1086147	Soil	13	34	0.52	148	0.085	1	1.79	0.010	0.19	0.1	0.02	2.3	0.1	<0.05	5	0.5	<0.2
1003463	Soil	10	29	0.43	123	0.075	<1	1.54	0.008	0.13	0.1	0.03	2.1	0.1	0.08	6	0.7	<0.2



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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
1086109	Soil	1.4	32.9	12.5	74	0.2	34.1	14.1	390	3.78	28.0	0.7	1.6	2.8	21	0.2	0.7	0.2	74	0.21	0.048
1086106	Soil	2.1	38.8	11.3	75	0.9	37.0	11.3	262	3.61	77.3	0.8	10.9	3.1	23	0.2	0.8	0.3	76	0.21	0.047
1086105	Soil	2.6	40.6	11.4	74	0.6	22.7	7.3	250	3.41	22.4	0.7	2.8	1.9	21	0.2	1.0	0.3	91	0.16	0.039
1086113	Soil	1.0	47.0	9.1	84	0.2	41.0	13.2	418	3.10	18.8	0.8	1.9	2.8	23	0.2	0.7	0.2	67	0.29	0.074
1086104	Soil	2.2	24.0	10.1	58	0.2	20.1	7.5	269	3.66	22.8	0.6	2.6	2.0	17	0.3	1.2	0.2	83	0.17	0.048
1086116	Soil	1.0	43.0	7.5	72	0.4	32.7	12.5	404	2.56	15.1	0.7	2.6	1.8	21	0.2	0.3	0.2	57	0.31	0.074
1086115	Soil	1.2	48.4	10.5	87	0.2	41.2	15.5	382	3.39	20.3	0.6	4.1	2.4	21	0.2	0.5	0.2	71	0.25	0.066
1086117	Soil	0.7	42.5	7.9	88	0.2	44.8	16.4	312	3.09	13.0	0.7	3.9	3.0	26	<0.1	0.3	0.2	64	0.49	0.109
1086107	Soil	1.6	43.3	11.8	60	0.4	35.4	17.4	363	4.18	23.9	0.9	6.8	3.6	18	0.3	0.8	0.2	75	0.17	0.073
1086110	Soil	1.7	42.1	11.8	82	0.9	42.9	12.8	353	3.67	56.3	1.0	12.8	3.1	18	0.2	0.8	0.2	71	0.20	0.064
1086112	Soil	1.6	46.3	10.1	83	0.1	37.1	12.2	412	3.63	21.1	0.7	3.3	2.5	25	0.2	0.8	0.2	81	0.28	0.042
1086111	Soil	0.7	38.2	5.7	49	0.5	21.4	9.5	377	2.16	13.1	0.9	4.4	0.8	41	0.1	0.3	0.1	56	0.60	0.086
1080200	Soil	2.3	39.4	14.5	99	0.7	35.4	13.8	510	4.30	70.9	1.0	7.5	1.7	16	0.4	2.0	0.2	75	0.15	0.058
1086101	Soil	1.2	39.3	9.7	75	0.7	42.4	18.7	363	3.13	29.2	1.0	9.6	3.6	14	0.6	0.8	0.2	64	0.15	0.049
1080197	Soil	1.5	42.9	10.3	65	0.2	31.6	12.0	277	3.18	109.4	1.4	21.8	2.5	18	0.2	2.7	0.1	60	0.15	0.052
1080199	Soil	2.2	73.2	12.8	105	0.3	53.7	22.7	870	3.80	215.6	2.1	20.9	2.4	16	0.7	4.9	0.2	71	0.14	0.091
1086150	Soil	2.6	36.3	20.7	70	0.4	26.4	8.6	185	2.78	79.9	1.1	29.6	3.8	16	0.3	1.1	0.3	54	0.11	0.057
1003462	Soil	1.3	38.2	12.5	76	0.4	32.3	13.9	339	3.23	54.6	0.8	15.0	3.9	15	0.2	1.2	0.2	59	0.14	0.047
1080195	Soil	1.5	30.5	16.6	38	0.3	15.0	7.8	110	1.70	93.8	0.8	16.5	1.9	12	0.2	2.3	0.1	24	0.05	0.038
1086149	Soil	1.7	43.1	17.4	74	0.7	34.0	12.7	190	2.57	68.5	1.4	454.5	6.9	21	0.3	1.0	0.5	45	0.12	0.063
1080194	Soil	1.8	35.0	10.2	79	0.1	33.4	13.0	459	3.26	18.2	1.0	9.0	2.7	15	0.4	0.9	0.2	74	0.15	0.046
1086103	Soil	1.2	40.2	9.9	67	1.1	41.1	15.6	276	3.14	42.6	1.0	11.6	3.7	19	0.4	1.2	0.2	67	0.16	0.040
1080192	Soil	2.7	36.6	10.9	78	0.1	29.0	15.9	826	3.24	20.1	1.0	4.3	0.6	16	0.4	1.2	0.2	74	0.13	0.065
1086201	Soil	2.2	34.3	15.7	62	0.4	25.6	8.8	201	3.06	55.6	0.9	10.2	3.8	15	0.2	1.2	0.3	62	0.11	0.049
1080193	Soil	0.7	31.3	7.3	58	0.2	30.1	13.1	385	2.66	24.8	0.7	7.9	2.9	15	0.3	0.7	0.1	60	0.16	0.033
1086102	Soil	2.5	53.3	13.3	100	1.2	47.1	17.5	400	4.01	54.6	1.3	14.6	3.7	26	0.4	1.5	0.3	86	0.20	0.061
1080196	Soil	1.3	39.7	15.8	76	0.5	35.5	13.2	287	3.11	76.4	1.3	31.1	3.0	14	0.5	1.4	0.2	61	0.16	0.047
1080198	Soil	1.2	48.3	6.4	217	0.3	75.4	15.7	327	4.76	57.9	1.3	25.9	3.1	28	0.6	1.0	<0.1	77	0.17	0.088
1086123	Soil	0.4	26.1	11.2	93	0.3	33.8	13.0	474	2.45	33.9	0.8	10.1	2.3	51	0.1	0.6	0.1	43	0.93	0.079
1086114	Soil	1.2	36.1	8.6	72	0.2	34.1	10.3	268	2.58	15.7	0.7	6.4	2.1	21	0.2	0.4	0.2	67	0.32	0.077



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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
1086109	Soil	9	35	0.52	190	0.131	2	2.24	0.010	0.12	0.2	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
1086106	Soil	10	40	0.62	155	0.106	2	2.38	0.010	0.14	0.1	0.04	3.0	0.1	<0.05	7	<0.5	<0.2
1086105	Soil	9	26	0.35	151	0.100	<1	1.27	0.009	0.12	<0.1	0.02	1.8	0.1	<0.05	7	<0.5	<0.2
1086113	Soil	11	48	0.66	250	0.112	2	1.71	0.012	0.28	<0.1	<0.01	3.1	0.1	<0.05	6	0.8	<0.2
1086104	Soil	8	29	0.35	110	0.096	<1	1.33	0.008	0.09	0.1	0.03	2.0	<0.1	<0.05	7	<0.5	<0.2
1086116	Soil	10	37	0.56	195	0.101	1	1.41	0.015	0.28	0.1	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
1086115	Soil	8	46	0.73	213	0.124	1	2.02	0.012	0.32	0.2	0.03	3.2	0.2	<0.05	6	0.5	<0.2
1086117	Soil	10	54	0.84	209	0.153	1	1.73	0.014	0.45	0.1	0.01	3.2	0.2	<0.05	6	<0.5	<0.2
1086107	Soil	8	40	0.38	133	0.160	1	3.60	0.011	0.09	0.1	0.06	3.2	<0.1	<0.05	8	0.6	<0.2
1086110	Soil	9	44	0.57	140	0.091	<1	1.78	0.009	0.20	0.3	0.02	3.0	0.2	<0.05	6	<0.5	<0.2
1086112	Soil	9	47	0.69	207	0.116	<1	1.83	0.014	0.18	0.2	0.02	3.3	0.1	<0.05	7	0.6	<0.2
1086111	Soil	7	28	0.37	176	0.059	<1	1.10	0.017	0.09	0.2	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
1080200	Soil	9	42	0.61	131	0.078	2	1.75	0.008	0.09	0.1	0.05	2.7	0.1	<0.05	7	0.5	<0.2
1086101	Soil	11	37	0.53	133	0.109	1	2.15	0.011	0.12	0.1	0.06	3.2	0.1	<0.05	5	0.5	<0.2
1080197	Soil	9	32	0.49	116	0.079	1	1.60	0.009	0.06	<0.1	0.03	2.9	0.1	<0.05	5	0.7	<0.2
1080199	Soil	14	40	0.56	124	0.062	2	1.65	0.008	0.07	0.2	0.05	3.6	0.1	<0.05	5	0.7	<0.2
1086150	Soil	16	28	0.37	120	0.062	<1	1.27	0.007	0.10	0.2	0.03	2.0	0.1	<0.05	5	0.5	<0.2
1003462	Soil	10	35	0.57	134	0.094	1	1.83	0.010	0.16	0.1	0.02	3.0	0.1	0.07	5	0.8	<0.2
1080195	Soil	9	15	0.19	87	0.028	<1	0.66	0.004	0.05	<0.1	0.03	1.4	0.1	<0.05	2	0.6	<0.2
1086149	Soil	20	28	0.37	157	0.057	<1	1.30	0.010	0.13	0.1	0.03	2.3	0.2	<0.05	4	1.2	0.2
1080194	Soil	10	40	0.65	113	0.097	<1	2.16	0.010	0.08	0.1	0.04	3.3	0.1	<0.05	7	0.6	<0.2
1086103	Soil	11	39	0.57	170	0.112	2	2.31	0.013	0.11	0.1	0.06	3.3	0.1	<0.05	6	<0.5	<0.2
1080192	Soil	8	40	0.43	97	0.061	2	1.65	0.011	0.06	<0.1	0.06	2.1	0.1	<0.05	6	<0.5	<0.2
1086201	Soil	13	29	0.38	111	0.079	<1	1.39	0.009	0.12	0.1	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
1080193	Soil	9	34	0.58	93	0.101	1	1.98	0.014	0.08	0.1	0.04	3.6	0.1	<0.05	5	<0.5	<0.2
1086102	Soil	12	47	0.72	204	0.107	1	2.49	0.011	0.11	0.1	0.07	3.5	0.2	<0.05	7	0.7	<0.2
1080196	Soil	10	33	0.52	91	0.092	1	1.91	0.010	0.06	0.1	0.05	3.4	0.1	<0.05	5	<0.5	<0.2
1080198	Soil	24	51	0.37	507	0.046	<1	2.15	0.006	0.08	<0.1	0.02	7.4	0.3	<0.05	8	<0.5	<0.2
1086123	Soil	11	39	0.61	170	0.080	2	1.25	0.016	0.18	0.2	0.03	3.3	0.2	0.06	4	0.5	<0.2
1086114	Soil	9	41	0.62	184	0.116	<1	1.50	0.017	0.25	<0.1	0.02	2.6	0.1	<0.05	6	<0.5	<0.2



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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		
					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
1086119	Soil				1.2	33.0	6.1	59	0.6	21.0	9.2	370	2.00	15.5	0.7	5.3	0.9	27	0.3	0.4	0.2	49	0.33	0.058
1086118	Soil				1.0	76.9	12.0	111	0.7	52.7	14.0	336	3.20	35.0	1.5	11.5	3.9	26	0.3	0.6	0.2	63	0.38	0.088
1086108	Soil				1.2	49.6	12.3	80	0.5	49.6	20.4	379	3.79	49.8	0.9	7.4	4.3	23	0.4	0.8	0.2	72	0.24	0.047
1081467	Soil				1.1	42.3	21.9	73	0.3	47.9	13.7	294	2.91	42.5	1.5	10.7	5.6	39	0.6	0.4	0.3	57	0.64	0.043
1081462	Soil				0.8	45.8	28.4	90	0.3	41.6	14.8	514	2.95	36.1	1.3	7.2	2.8	111	0.4	0.6	0.3	58	2.06	0.052
1086121	Soil				1.6	24.1	10.1	79	0.5	24.1	11.2	262	2.97	26.5	0.9	8.8	2.4	29	0.2	0.6	0.2	55	0.45	0.072
1086120	Soil				1.1	44.6	7.5	84	0.5	30.3	11.6	539	2.35	16.1	0.9	4.1	0.9	56	0.4	0.5	0.2	51	0.86	0.080
1086122	Soil				1.2	44.3	6.6	69	0.4	31.2	12.4	1297	1.99	31.6	1.1	11.0	0.7	71	0.4	0.7	0.2	36	1.31	0.093
1086124	Soil				1.9	33.2	17.0	104	0.4	46.0	21.4	4653	3.10	51.3	1.0	8.9	2.2	90	0.2	0.7	0.2	49	1.82	0.085
1081473	Soil				1.4	40.6	49.1	113	0.3	60.8	21.4	454	4.27	60.0	0.9	3.9	11.6	35	0.4	0.5	0.3	66	0.50	0.023
1081455	Soil				0.7	51.7	21.1	98	0.4	55.6	18.1	481	3.53	69.5	1.1	14.5	5.4	67	0.9	0.7	0.3	60	1.18	0.062
1081451	Soil				0.8	62.1	16.7	92	0.3	49.8	15.1	399	2.67	45.7	2.2	11.0	1.8	117	1.0	0.6	0.3	45	2.90	0.062
1081480	Soil				0.8	59.8	44.8	88	0.5	53.6	14.2	493	2.95	53.3	1.2	10.5	4.4	60	1.0	0.7	0.4	52	1.30	0.038
1081479	Soil				0.8	33.3	72.1	138	0.7	32.7	10.3	355	2.30	39.2	1.0	6.2	2.2	65	2.4	0.6	0.4	44	1.47	0.047
1081477	Soil				1.4	38.2	46.5	137	0.6	32.0	10.0	496	2.09	35.3	1.5	13.6	1.8	81	2.0	0.5	0.3	44	1.78	0.061
1081464	Soil				0.9	40.3	39.5	115	0.4	51.1	15.1	510	3.03	34.2	1.3	6.0	3.9	88	1.0	0.4	0.3	56	1.39	0.062
1081461	Soil				0.8	40.8	31.4	87	0.5	43.3	12.5	472	2.58	49.2	1.1	6.7	2.5	95	0.8	0.6	0.2	44	1.87	0.052
1081466	Soil				0.7	61.7	24.9	83	0.5	51.0	14.4	628	2.66	40.6	1.2	9.9	5.2	77	1.1	0.4	0.3	47	1.51	0.061
1081463	Soil				0.9	42.3	30.7	91	0.2	48.7	16.1	389	3.34	41.9	1.0	4.1	5.4	42	0.6	0.5	0.2	61	0.61	0.030
1081468	Soil				0.8	34.0	20.8	104	0.3	32.3	9.5	307	2.32	30.0	1.5	1.7	2.7	78	0.6	0.5	0.2	45	1.46	0.039
1081472	Soil				1.0	30.5	36.3	83	0.1	44.8	14.9	322	3.11	53.2	0.8	2.3	6.4	29	0.5	0.4	0.3	54	0.48	0.027
1081465	Soil				1.1	30.4	22.0	77	0.2	30.8	12.2	340	2.45	26.2	0.8	0.5	3.8	34	0.8	0.4	0.2	50	0.57	0.034
1081470	Soil				1.1	30.2	35.3	81	0.4	30.3	10.0	389	1.96	31.6	1.0	7.2	2.6	62	0.7	0.5	0.3	38	1.29	0.053
1081471	Soil				0.7	58.8	48.1	110	0.6	38.5	9.2	394	1.81	60.6	1.5	14.7	1.2	101	2.7	0.6	0.3	33	2.37	0.058
1081469	Soil				1.2	26.9	59.4	154	0.6	38.6	12.8	514	2.62	70.8	1.6	11.1	5.3	58	0.8	0.8	0.3	46	1.08	0.056
1086499	Soil				0.9	41.1	18.9	87	0.3	39.2	12.7	386	2.44	24.2	1.0	5.0	2.6	85	0.9	0.4	0.2	46	1.85	0.061
1081481	Soil				0.7	28.7	14.3	55	0.2	22.2	7.8	318	1.67	23.6	1.6	4.2	1.3	80	0.4	0.4	0.2	32	1.79	0.044
1081454	Soil				0.7	56.1	13.5	75	0.3	43.4	12.4	436	2.30	20.6	1.2	3.7	1.3	93	0.6	0.4	0.3	48	2.19	0.052
1081453	Soil				0.8	52.3	15.7	78	0.3	48.6	15.2	444	3.45	40.3	0.8	6.0	4.3	98	0.5	0.5	0.4	60	1.99	0.057
1081476	Soil				1.0	41.6	27.2	85	0.2	42.0	15.8	381	3.31	42.2	1.5	2.2	6.5	35	0.4	0.4	0.3	54	0.46	0.056



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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
1086119	Soil	8	24	0.35	162	0.066	<1	1.06	0.023	0.15	0.1	0.04	2.0	0.1	<0.05	4	0.6	<0.2
1086118	Soil	20	44	0.67	207	0.105	2	1.80	0.015	0.32	0.2	0.03	4.4	0.2	<0.05	6	0.6	<0.2
1086108	Soil	11	46	0.71	171	0.111	2	2.77	0.012	0.18	0.1	0.03	4.1	0.2	<0.05	7	<0.5	<0.2
1081467	Soil	20	62	0.84	153	0.099	1	1.87	0.022	0.24	0.3	0.02	4.1	0.2	<0.05	6	0.6	<0.2
1081462	Soil	15	58	0.84	157	0.090	3	1.78	0.023	0.23	0.1	0.04	4.0	0.2	0.06	6	0.8	<0.2
1086121	Soil	10	31	0.45	141	0.073	1	1.24	0.020	0.17	<0.1	0.03	2.7	0.1	<0.05	4	0.6	<0.2
1086120	Soil	9	33	0.48	266	0.068	3	1.41	0.023	0.21	0.2	0.04	2.7	0.2	0.05	4	0.6	<0.2
1086122	Soil	8	25	0.37	240	0.044	3	1.05	0.026	0.13	<0.1	0.04	2.0	0.1	0.10	3	0.6	<0.2
1086124	Soil	10	46	0.66	359	0.098	3	1.42	0.028	0.23	0.2	0.03	4.1	0.2	0.14	5	<0.5	<0.2
1081473	Soil	29	80	1.39	103	0.153	1	2.70	0.024	0.58	0.3	0.01	6.6	0.3	<0.05	9	0.7	<0.2
1081455	Soil	14	62	1.04	152	0.120	2	1.87	0.028	0.42	0.3	0.03	4.4	0.3	<0.05	6	0.5	<0.2
1081451	Soil	11	55	0.77	143	0.079	4	1.49	0.026	0.25	0.4	0.03	2.8	0.2	0.14	5	1.2	<0.2
1081480	Soil	15	58	0.90	158	0.081	4	1.69	0.020	0.27	0.4	0.03	3.6	0.2	<0.05	6	0.6	<0.2
1081479	Soil	10	41	0.65	132	0.068	3	1.35	0.023	0.24	0.3	0.03	2.7	0.1	<0.05	5	0.6	<0.2
1081477	Soil	10	41	0.67	134	0.063	5	1.29	0.027	0.21	0.3	0.04	2.5	0.1	0.09	4	1.9	<0.2
1081464	Soil	14	69	0.93	157	0.088	3	1.65	0.024	0.24	0.2	0.03	3.8	0.2	<0.05	6	0.6	<0.2
1081461	Soil	12	52	0.77	131	0.066	4	1.43	0.019	0.21	0.2	0.04	3.0	0.2	0.06	5	1.0	<0.2
1081466	Soil	16	55	0.85	178	0.081	3	1.53	0.020	0.28	0.3	0.03	3.4	0.2	<0.05	5	0.7	<0.2
1081463	Soil	16	61	0.92	135	0.107	3	2.04	0.019	0.32	0.3	0.02	4.3	0.2	<0.05	6	0.7	<0.2
1081468	Soil	10	38	0.60	150	0.061	4	1.36	0.018	0.17	0.2	0.02	2.4	0.1	<0.05	5	0.8	<0.2
1081472	Soil	14	61	0.95	93	0.106	2	2.00	0.022	0.28	0.3	0.01	3.9	0.2	<0.05	7	<0.5	<0.2
1081465	Soil	14	40	0.59	125	0.075	2	1.42	0.025	0.15	0.2	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
1081470	Soil	11	39	0.65	119	0.069	3	1.18	0.022	0.19	0.2	0.03	2.3	0.1	<0.05	4	0.8	<0.2
1081471	Soil	8	34	0.58	120	0.050	5	1.07	0.023	0.16	0.2	0.03	1.9	0.1	0.08	4	0.7	<0.2
1081469	Soil	16	54	0.80	103	0.068	2	1.43	0.016	0.21	0.3	0.02	3.3	0.2	<0.05	5	<0.5	<0.2
1086499	Soil	11	40	0.69	136	0.077	3	1.26	0.028	0.23	0.4	0.01	2.7	0.2	0.05	5	0.7	<0.2
1081481	Soil	8	26	0.48	99	0.056	3	0.96	0.025	0.14	0.2	0.03	1.8	<0.1	<0.05	3	0.6	<0.2
1081454	Soil	10	47	0.67	206	0.067	3	1.39	0.026	0.19	0.1	0.04	2.8	0.1	0.07	5	1.0	<0.2
1081453	Soil	13	62	0.99	166	0.112	2	1.87	0.023	0.36	0.6	0.03	4.4	0.2	<0.05	6	0.6	<0.2
1081476	Soil	13	54	0.90	151	0.090	2	1.99	0.019	0.27	0.2	0.01	3.6	0.2	<0.05	7	0.5	<0.2



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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
1081460	Soil	1.2	42.9	26.1	90	0.3	41.4	15.7	518	3.26	147.2	1.5	10.8	4.4	47	0.5	0.7	0.3	60	0.84	0.030
1081456	Soil	1.0	44.1	32.0	82	0.2	48.2	17.1	474	3.31	35.5	0.7	3.7	4.5	77	0.6	0.5	0.3	61	1.35	0.048
1081452	Soil	0.9	56.1	16.1	81	0.3	52.3	16.2	457	3.60	42.2	0.9	6.8	4.4	100	0.4	0.5	0.4	65	2.00	0.058
1086500	Soil	0.9	51.2	27.0	109	0.4	61.1	17.4	438	3.47	93.7	1.0	10.8	4.7	82	1.3	0.5	0.4	61	1.76	0.057
1081475	Soil	0.9	26.5	33.7	67	0.1	39.5	13.9	357	2.89	25.5	0.5	<0.5	4.8	29	0.5	0.4	0.2	54	0.47	0.023
1081457	Soil	0.9	53.8	30.1	91	0.3	56.2	17.7	487	3.55	37.0	1.4	5.0	5.0	54	0.5	0.5	0.2	63	0.89	0.045
1081459	Soil	1.2	36.9	21.4	107	0.5	46.6	18.8	478	3.75	55.6	0.9	7.0	5.8	32	0.7	0.6	0.3	74	0.42	0.025
1081478	Soil	1.3	34.6	26.3	87	0.2	42.3	18.3	426	3.45	38.9	0.6	2.6	5.3	24	0.5	0.5	0.3	67	0.31	0.019
1081458	Soil	0.8	55.7	43.9	147	0.7	47.3	12.9	472	2.61	50.4	1.3	16.7	2.8	78	2.2	0.6	0.2	49	1.69	0.083
1081482	Soil	1.0	44.3	32.1	128	0.2	45.9	15.6	560	3.27	44.6	0.7	7.3	5.0	44	1.0	0.6	0.3	64	0.72	0.050
1085010	Soil	4.1	40.0	20.9	109	0.2	29.7	17.2	1381	4.22	21.1	1.0	5.0	0.6	23	0.3	1.4	0.4	95	0.17	0.070
1085009	Soil	3.4	37.8	9.9	61	0.2	19.2	7.5	372	3.14	41.2	1.3	4.7	1.3	23	0.1	1.2	0.3	96	0.13	0.067
1085008	Soil	2.7	140.0	176.1	360	5.2	39.6	24.4	997	5.42	1292	1.5	85.2	4.8	41	3.9	20.6	14.7	99	0.25	0.113
1085006	Soil	2.6	70.0	14.3	72	0.3	44.3	18.4	378	5.38	840.7	1.3	104.6	3.2	57	0.3	4.0	0.6	84	0.20	0.076
1085007	Soil	9.4	100.6	56.3	121	1.2	117.2	36.4	3854	6.73	736.3	4.0	292.4	13.8	71	0.9	2.6	1.4	114	0.46	0.186
1085036	Soil	0.6	55.9	7.4	55	0.1	72.4	19.0	250	2.78	9.3	1.0	2.6	2.3	57	0.1	0.4	0.2	56	1.12	0.067
1085032	Soil	0.9	55.0	5.4	67	0.2	79.0	21.2	392	3.65	7.6	1.0	3.2	3.8	61	0.1	0.2	0.2	89	0.92	0.088
1085033	Soil	0.6	40.3	6.0	43	0.1	29.9	10.7	422	2.17	8.8	0.8	2.7	0.9	95	0.3	0.3	0.2	48	1.75	0.069
1085034	Soil	0.6	63.1	7.1	68	0.2	89.3	18.8	375	3.22	11.0	0.6	6.8	1.5	74	0.1	0.5	0.3	59	1.20	0.077
1085031	Soil	1.1	45.9	9.9	56	0.2	54.8	17.1	334	3.64	14.2	0.8	4.8	2.9	30	0.1	0.5	0.3	63	0.25	0.036
1085012	Soil	3.3	31.9	14.0	84	<0.1	25.1	14.8	969	3.49	12.5	0.9	3.4	0.4	14	0.2	1.4	0.4	78	0.10	0.060
1085015	Soil	1.4	31.5	12.5	75	<0.1	31.9	11.0	354	3.29	16.7	0.6	7.1	1.9	15	0.3	0.7	0.3	64	0.15	0.033
1085011	Soil	3.7	37.2	17.7	80	0.2	25.5	12.6	938	3.33	17.0	1.0	7.4	0.2	18	0.1	1.6	0.5	81	0.13	0.075
1085035	Soil	0.2	53.3	2.0	55	<0.1	179.8	27.8	285	3.46	3.5	0.4	<0.5	3.5	44	<0.1	<0.1	<0.1	68	0.83	0.066
1085037	Soil	0.5	61.3	7.0	54	0.1	54.8	14.1	333	2.02	9.4	1.2	4.3	0.7	97	0.2	0.3	0.2	37	2.28	0.067
1085014	Soil	1.1	38.3	32.2	71	0.5	37.7	16.4	378	3.13	86.0	0.6	26.3	2.4	17	0.3	0.9	0.2	59	0.13	0.032
1085013	Soil	1.1	37.1	29.3	65	0.4	35.5	15.6	379	2.94	82.8	0.7	23.2	2.4	17	0.4	0.9	0.2	57	0.11	0.032
1085017	Soil	1.2	35.1	13.6	80	0.1	31.4	11.6	403	3.22	29.0	0.8	5.4	1.8	16	0.3	0.8	0.2	61	0.16	0.046
1085016	Soil	1.5	33.2	12.7	76	0.1	32.7	12.1	383	3.57	18.3	0.6	3.3	2.0	15	0.2	0.7	0.2	70	0.15	0.037
1085038	Soil	0.5	64.6	4.8	53	0.2	97.4	21.6	255	2.31	9.8	0.8	3.8	0.9	51	0.2	0.2	0.3	39	1.02	0.095



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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
1081460	Soil	12	50	0.71	140	0.081	2	1.79	0.020	0.17	0.2	0.04	3.9	0.1	<0.05	6	0.7	<0.2
1081456	Soil	13	56	0.89	167	0.107	3	1.87	0.026	0.35	0.3	0.03	4.2	0.2	<0.05	6	0.6	<0.2
1081452	Soil	14	65	1.03	177	0.117	2	1.94	0.024	0.36	0.5	0.03	4.5	0.2	<0.05	6	0.6	0.2
1086500	Soil	13	74	1.11	142	0.118	4	1.85	0.023	0.43	0.4	0.02	4.4	0.3	<0.05	7	0.8	<0.2
1081475	Soil	11	52	0.79	106	0.103	2	1.75	0.022	0.38	0.2	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
1081457	Soil	16	65	1.03	148	0.124	3	2.09	0.026	0.39	0.3	0.03	4.7	0.2	<0.05	7	<0.5	<0.2
1081459	Soil	14	63	0.96	136	0.129	3	2.31	0.014	0.29	0.2	0.02	4.5	0.2	<0.05	8	0.5	<0.2
1081478	Soil	11	59	0.86	151	0.120	2	2.16	0.018	0.36	0.2	0.01	3.6	0.2	<0.05	7	<0.5	<0.2
1081458	Soil	12	52	0.89	137	0.078	4	1.48	0.020	0.27	0.3	0.04	3.1	0.2	0.08	5	0.7	<0.2
1081482	Soil	14	57	0.91	176	0.098	3	1.86	0.025	0.24	0.2	0.03	4.4	0.1	<0.05	6	0.7	<0.2
1085010	Soil	8	40	0.51	130	0.048	3	1.86	0.007	0.06	<0.1	0.05	1.8	0.1	0.07	9	0.7	<0.2
1085009	Soil	9	28	0.38	99	0.067	2	1.53	0.008	0.06	0.1	0.06	1.8	<0.1	0.06	8	0.6	<0.2
1085008	Soil	18	58	1.24	117	0.071	2	2.59	0.015	0.10	0.6	0.06	5.4	0.2	0.09	8	1.0	0.6
1085006	Soil	16	42	0.64	94	0.054	3	2.37	0.015	0.05	0.3	0.08	3.3	0.1	0.08	8	0.9	0.3
1085007	Soil	36	56	3.57	112	0.052	2	3.41	0.013	0.10	0.3	0.04	10.3	0.1	0.10	10	1.9	0.3
1085036	Soil	13	69	0.93	98	0.092	2	1.82	0.026	0.09	0.3	0.04	3.9	0.1	<0.05	5	0.7	<0.2
1085032	Soil	12	110	1.33	166	0.188	1	2.23	0.026	0.19	0.7	0.02	5.0	0.2	<0.05	8	<0.5	<0.2
1085033	Soil	12	30	0.47	85	0.055	2	1.21	0.022	0.07	0.2	0.05	2.2	<0.1	0.07	4	0.6	<0.2
1085034	Soil	12	92	1.12	79	0.070	4	1.79	0.020	0.10	0.5	0.03	3.6	0.2	0.13	6	<0.5	<0.2
1085031	Soil	9	54	0.82	105	0.086	2	2.04	0.012	0.15	0.4	0.02	3.4	0.2	0.09	7	<0.5	<0.2
1085012	Soil	7	35	0.42	91	0.035	<1	1.64	0.005	0.05	0.1	0.05	1.3	0.1	0.06	7	0.6	<0.2
1085015	Soil	7	38	0.61	91	0.084	2	1.80	0.008	0.10	0.2	0.04	2.5	0.1	<0.05	6	<0.5	<0.2
1085011	Soil	7	29	0.29	124	0.029	<1	1.15	0.009	0.05	0.1	0.06	0.8	0.1	0.09	7	<0.5	<0.2
1085035	Soil	7	222	1.84	77	0.200	<1	1.99	0.011	0.19	0.2	<0.01	4.8	0.1	<0.05	8	<0.5	<0.2
1085037	Soil	9	45	0.58	75	0.033	4	1.14	0.018	0.06	0.4	0.04	1.7	<0.1	0.14	3	0.5	<0.2
1085014	Soil	8	37	0.59	84	0.080	1	2.01	0.010	0.09	0.3	0.04	2.7	0.1	0.06	5	<0.5	<0.2
1085013	Soil	8	37	0.56	81	0.073	<1	2.00	0.010	0.09	0.3	0.05	2.6	0.1	<0.05	5	<0.5	<0.2
1085017	Soil	8	36	0.53	80	0.076	1	1.56	0.008	0.07	0.9	0.04	2.0	<0.1	<0.05	5	0.7	<0.2
1085016	Soil	7	41	0.65	92	0.089	<1	1.98	0.010	0.10	0.2	0.04	2.7	0.1	<0.05	6	<0.5	<0.2
1085038	Soil	6	80	0.79	56	0.061	2	1.09	0.021	0.06	0.3	0.02	2.0	0.1	<0.05	4	<0.5	<0.2



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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
1085023	Soil	2.2	44.9	11.1	65	0.4	36.4	12.7	295	3.14	31.7	1.1	5.4	3.6	36	0.1	0.5	0.4	60	0.09	0.056
1085025	Soil	2.9	39.6	12.3	113	0.2	25.3	19.3	1708	3.24	11.8	0.8	1.8	0.7	21	0.4	1.2	0.3	71	0.16	0.072
1085026	Soil	0.3	8.7	1.3	12	<0.1	2.4	2.6	63	0.82	<0.5	0.2	1.4	0.1	13	<0.1	<0.1	<0.1	23	0.12	0.038
1085028	Soil	1.3	26.3	13.5	55	0.3	12.2	8.5	392	1.81	20.4	0.6	2.5	0.4	27	0.9	0.4	0.2	38	0.24	0.067
1085030	Soil	0.4	9.0	1.9	19	0.2	3.6	4.0	138	0.95	1.5	0.2	<0.5	0.1	13	<0.1	0.1	<0.1	28	0.13	0.040
1085019	Soil	2.4	41.6	13.7	83	0.3	31.3	14.4	558	3.18	25.7	0.9	5.2	1.0	21	0.4	0.9	0.2	64	0.18	0.084
1085021	Soil	2.9	30.9	7.9	61	0.2	24.4	10.4	455	2.71	23.0	0.8	1.8	0.3	23	0.2	0.8	0.2	61	0.12	0.070
1085022	Soil	5.4	44.4	13.0	69	0.5	51.3	15.0	567	4.42	150.4	1.5	8.0	2.6	41	0.2	1.2	0.3	72	0.10	0.060
1085024	Soil	1.5	41.5	9.4	81	0.4	61.3	23.6	396	3.14	15.2	0.8	2.3	2.0	15	0.1	0.5	0.2	59	0.18	0.058
1085027	Soil	2.9	39.5	16.8	87	0.9	34.3	11.4	590	3.60	13.0	0.8	2.2	0.9	21	0.4	1.1	0.3	88	0.16	0.046
1086263	Soil	0.8	23.6	4.7	27	0.3	11.3	5.2	145	1.25	7.9	0.6	1.9	0.3	14	0.2	0.3	<0.1	30	0.10	0.045
1086260	Soil	1.6	35.7	16.1	67	0.3	27.0	9.7	254	3.21	45.4	0.8	5.8	3.6	19	0.2	0.8	0.2	62	0.09	0.032
1086253	Soil	0.6	16.2	6.1	18	0.3	6.0	8.2	296	0.85	12.1	0.4	3.7	<0.1	13	<0.1	0.2	<0.1	20	0.08	0.037
1085018	Soil	2.3	27.0	11.6	52	0.2	14.0	7.3	404	2.05	11.9	0.8	2.4	0.2	17	0.3	0.9	0.2	51	0.14	0.068
1085020	Soil	1.9	32.2	10.3	74	0.1	29.9	12.2	403	3.33	36.0	0.8	4.6	1.4	18	0.3	0.8	0.2	70	0.16	0.039
1086258	Soil	0.4	11.2	3.0	17	0.2	4.5	5.4	418	1.03	2.9	0.4	2.2	0.3	8	<0.1	<0.1	<0.1	29	0.07	0.026
1086254	Soil	0.5	15.0	4.9	21	0.2	6.6	2.3	75	0.85	4.7	0.4	5.9	0.1	13	<0.1	0.2	<0.1	17	0.09	0.033
1086256	Soil	0.7	16.8	10.6	36	0.5	10.6	3.4	129	1.16	5.2	0.6	3.9	0.5	17	0.1	0.2	0.2	25	0.12	0.039
1086255	Soil	1.6	23.5	11.2	50	0.4	16.8	7.5	266	2.02	22.9	0.5	3.8	1.2	16	<0.1	0.5	0.3	50	0.10	0.044
1086257	Soil	1.2	23.8	12.2	70	0.2	22.6	11.3	498	2.22	24.2	0.7	5.2	2.8	16	0.2	0.6	0.2	49	0.16	0.055
1086259	Soil	1.3	20.2	13.3	63	<0.1	20.2	8.1	362	2.58	32.1	0.5	3.4	2.4	17	0.1	0.6	0.2	66	0.14	0.039
1086262	Soil	3.2	35.6	70.6	47	0.8	17.7	6.7	218	1.70	18.5	0.8	9.2	1.2	16	0.1	0.6	0.1	40	0.14	0.051
1086265	Soil	25.0	70.1	29.7	69	2.0	25.9	8.4	222	2.30	74.0	0.9	53.8	1.3	36	0.3	0.9	0.3	50	0.16	0.060
1086267	Soil	0.2	4.2	1.2	12	<0.1	1.8	2.3	48	0.96	<0.5	0.1	<0.5	0.2	7	<0.1	<0.1	<0.1	33	0.07	0.031
1086269	Soil	4.9	38.8	15.1	73	0.3	28.4	11.2	274	2.34	29.8	0.9	7.5	3.8	24	0.1	0.7	0.2	47	0.27	0.050
1086268	Soil	18.5	111.9	20.9	97	0.5	46.8	18.4	734	3.12	52.2	1.3	11.1	4.5	28	0.2	1.0	0.3	61	0.26	0.058
1085148	Soil	1.1	24.2	8.7	44	0.5	12.8	8.5	158	1.90	19.0	0.5	2.2	1.5	15	0.3	0.6	0.2	50	0.12	0.041
1086261	Soil	3.1	62.3	34.6	102	0.7	40.2	12.6	425	3.47	97.9	1.0	32.0	4.6	36	0.3	1.3	0.3	71	0.21	0.066
1086264	Soil	1.9	45.4	9.0	48	0.3	18.6	8.5	245	2.06	42.4	0.7	16.9	1.8	27	0.2	0.7	0.2	47	0.11	0.046
1086271	Soil	3.0	21.5	40.3	133	0.8	20.0	7.5	283	2.02	46.9	0.8	73.9	2.8	22	0.3	0.7	0.2	43	0.23	0.054



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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
1085023	Soil	9	34	0.47	166	0.054	<1	1.44	0.013	0.14	0.2	0.02	2.0	0.1	0.11	5	0.7	0.3
1085025	Soil	8	28	0.36	154	0.058	<1	1.37	0.011	0.09	0.1	0.03	1.3	<0.1	0.06	6	<0.5	<0.2
1085026	Soil	2	4	0.06	35	0.034	<1	0.42	0.020	0.04	<0.1	0.02	0.3	<0.1	<0.05	2	<0.5	<0.2
1085028	Soil	5	14	0.23	99	0.039	2	0.87	0.016	0.08	0.1	0.06	0.6	<0.1	0.06	4	<0.5	<0.2
1085030	Soil	2	5	0.07	35	0.040	<1	0.50	0.018	0.03	<0.1	0.03	0.3	<0.1	<0.05	3	<0.5	<0.2
1085019	Soil	8	30	0.41	119	0.056	<1	1.19	0.011	0.09	1.6	0.05	1.7	<0.1	0.10	6	<0.5	<0.2
1085021	Soil	7	24	0.35	100	0.030	<1	1.26	0.009	0.05	0.1	0.08	1.2	0.1	0.09	5	0.6	<0.2
1085022	Soil	8	35	0.42	107	0.041	<1	1.40	0.007	0.11	0.2	0.03	1.7	0.1	0.12	6	<0.5	<0.2
1085024	Soil	7	34	0.53	91	0.072	<1	1.74	0.008	0.08	0.6	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
1085027	Soil	8	44	0.47	114	0.052	<1	1.46	0.008	0.07	0.2	0.04	1.9	<0.1	<0.05	7	<0.5	<0.2
1086263	Soil	5	12	0.15	67	0.031	<1	0.68	0.015	0.05	<0.1	0.04	0.7	<0.1	<0.05	3	<0.5	<0.2
1086260	Soil	8	37	0.44	100	0.065	<1	1.81	0.007	0.10	0.3	0.04	2.2	0.1	0.05	6	<0.5	<0.2
1086253	Soil	3	9	0.10	43	0.017	<1	0.35	0.016	0.04	<0.1	0.02	0.3	<0.1	<0.05	2	<0.5	<0.2
1085018	Soil	5	19	0.20	79	0.029	<1	0.93	0.010	0.05	0.3	0.08	0.7	<0.1	0.09	5	<0.5	<0.2
1085020	Soil	8	35	0.50	89	0.068	<1	1.55	0.008	0.07	0.2	0.04	2.0	<0.1	0.07	6	0.6	<0.2
1086258	Soil	2	7	0.08	25	0.039	<1	0.24	0.017	0.03	<0.1	0.03	0.5	<0.1	<0.05	2	<0.5	<0.2
1086254	Soil	3	10	0.11	46	0.020	<1	0.40	0.012	0.06	<0.1	0.02	0.5	<0.1	0.07	2	<0.5	<0.2
1086256	Soil	7	22	0.23	64	0.042	<1	0.76	0.009	0.10	<0.1	0.07	1.1	<0.1	0.06	5	<0.5	<0.2
1086255	Soil	7	28	0.36	79	0.055	<1	0.97	0.008	0.12	0.2	0.05	1.5	0.1	<0.05	5	<0.5	<0.2
1086257	Soil	9	27	0.45	91	0.063	<1	1.03	0.008	0.15	0.4	0.01	1.8	0.1	<0.05	4	<0.5	<0.2
1086259	Soil	8	29	0.42	74	0.076	<1	1.04	0.007	0.12	0.3	0.01	1.7	0.1	<0.05	6	<0.5	<0.2
1086262	Soil	6	17	0.20	78	0.036	<1	0.79	0.013	0.06	0.2	0.04	1.1	<0.1	<0.05	3	<0.5	<0.2
1086265	Soil	8	27	0.33	99	0.023	<1	0.97	0.008	0.06	0.3	0.07	1.5	<0.1	0.06	5	1.0	<0.2
1086267	Soil	2	3	0.04	14	0.053	<1	0.40	0.017	0.02	<0.1	<0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
1086269	Soil	13	35	0.55	126	0.066	1	1.39	0.011	0.10	0.5	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
1086268	Soil	14	54	0.66	179	0.055	2	1.85	0.010	0.11	0.4	0.04	3.0	0.1	<0.05	6	0.7	<0.2
1085148	Soil	6	17	0.16	84	0.051	<1	1.00	0.017	0.05	0.2	0.03	1.1	<0.1	<0.05	4	0.6	<0.2
1086261	Soil	12	46	0.60	163	0.066	1	1.71	0.011	0.17	0.5	0.04	2.7	0.2	<0.05	6	1.1	<0.2
1086264	Soil	7	20	0.25	95	0.050	<1	0.83	0.020	0.08	0.4	<0.01	1.1	<0.1	<0.05	4	0.5	<0.2
1086271	Soil	12	30	0.48	107	0.070	<1	1.22	0.016	0.11	0.4	0.03	2.0	0.1	<0.05	5	<0.5	<0.2



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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
1085143	Soil	1.3	19.5	15.1	70	0.3	19.6	10.4	254	2.28	34.0	0.7	4.7	1.2	18	0.3	2.3	0.2	57	0.17
1085144	Soil	0.3	5.5	2.6	13	<0.1	2.6	2.2	56	0.80	3.1	0.2	1.0	<0.1	9	<0.1	<0.1	<0.1	22	0.07
1085142	Soil	1.2	25.9	19.9	63	0.7	16.0	8.7	260	1.68	33.2	0.9	9.3	0.7	18	0.4	0.6	0.2	42	0.15
1085141	Soil	1.1	23.6	9.6	36	0.4	9.8	4.9	112	1.52	17.3	0.8	4.3	0.2	21	0.2	0.8	0.1	23	0.24
1086252	Soil	1.3	26.0	20.2	84	0.7	22.6	8.1	216	2.47	69.3	0.7	38.4	1.5	47	0.2	1.0	0.3	53	0.15
1086266	Soil	2.6	48.3	16.1	76	0.4	41.7	13.8	388	2.58	31.1	1.0	7.0	3.4	22	0.3	0.6	0.2	56	0.25
1085145	Soil	0.2	5.0	2.7	15	<0.1	2.7	2.6	56	0.88	2.5	0.2	0.8	0.1	9	<0.1	<0.1	<0.1	26	0.07
1085149	Soil	1.2	32.1	9.6	70	0.3	20.3	11.3	232	2.20	53.9	0.7	10.5	1.3	25	0.3	1.4	0.2	46	0.17
1085147	Soil	1.2	21.7	35.8	110	0.7	18.8	10.4	420	1.83	20.8	0.7	4.3	0.7	21	0.5	14.0	0.2	46	0.18
1085146	Soil	1.2	32.7	13.0	64	0.4	16.9	11.0	223	1.55	16.4	0.9	4.4	0.3	19	0.6	0.4	0.2	36	0.19
1086270	Soil	1.5	21.5	14.9	82	0.3	23.6	10.4	310	2.40	52.1	0.8	8.4	3.5	28	<0.1	0.7	0.2	47	0.32
1086251	Soil	1.7	43.8	20.4	101	0.5	32.5	11.0	309	2.89	83.1	0.9	13.1	2.4	54	0.3	1.1	0.2	51	0.22
1085150	Soil	1.9	23.7	12.2	69	0.2	22.6	8.1	173	3.02	57.2	0.6	6.3	2.2	21	0.2	1.5	0.2	63	0.11
1086938	Soil	1.0	56.0	5.5	53	0.1	78.4	15.5	450	2.88	29.7	0.6	5.4	2.4	28	0.1	0.4	0.4	59	0.34
1086942	Soil	1.6	58.5	8.7	62	<0.1	100.5	25.1	404	4.19	10.7	0.6	3.1	2.5	24	0.3	0.6	0.2	78	0.27
1086934	Soil	1.6	72.9	7.3	50	<0.1	74.1	20.7	549	3.14	39.9	0.5	4.5	0.8	22	0.1	3.9	0.2	73	0.35
1086936	Soil	1.3	77.0	13.1	68	0.2	136.1	21.6	464	3.17	12.2	1.0	6.3	1.5	30	0.3	0.5	0.2	73	0.48
1086935	Soil	2.1	39.7	10.7	58	<0.1	42.4	13.5	373	3.42	14.2	0.7	9.3	1.8	17	0.2	0.9	0.2	79	0.20
1086933	Soil	0.7	69.1	3.1	42	<0.1	117.3	23.7	219	2.78	9.5	0.3	<0.5	0.9	17	<0.1	0.3	<0.1	69	0.49
1086937	Soil	1.3	61.2	8.4	62	0.3	84.9	21.4	684	3.45	143.9	0.8	16.2	1.4	35	0.2	0.8	0.4	67	0.61
1086947	Soil	0.9	40.9	9.7	61	<0.1	57.6	23.6	504	3.41	9.6	0.8	3.5	3.5	19	0.4	0.5	0.2	63	0.22
1086004	Soil	1.4	28.3	10.0	63	0.2	50.1	16.4	435	3.28	34.0	0.7	17.3	3.1	24	0.2	0.5	1.2	74	0.22
1086941	Soil	1.4	80.8	8.0	60	0.2	133.6	32.5	510	4.61	9.6	0.6	3.5	2.9	25	0.3	0.5	0.3	74	0.33
1086932	Soil	1.3	44.6	5.9	48	<0.1	45.4	13.7	241	3.10	11.3	0.5	2.2	1.2	21	0.1	0.6	0.2	66	0.24
1086939	Soil	1.0	28.0	10.2	61	<0.1	36.8	15.0	347	3.58	8.2	0.7	1.2	4.8	16	0.2	0.5	0.4	59	0.20
1086005	Soil	1.0	31.2	10.8	62	0.2	48.6	18.8	403	3.55	14.8	0.8	5.6	4.4	17	0.3	0.6	0.3	67	0.21
1086002	Soil	1.6	44.3	7.5	52	0.5	26.4	8.6	238	2.83	20.2	1.1	17.3	1.4	36	0.2	0.5	2.0	68	0.29
1086944	Soil	2.7	26.7	12.5	60	<0.1	25.2	9.2	390	3.39	11.0	0.7	3.3	2.4	14	0.1	0.9	0.5	98	0.13
1086946	Soil	2.2	40.1	11.5	55	<0.1	26.1	8.8	278	3.17	8.6	0.7	2.0	2.5	18	0.2	0.7	0.3	75	0.16
1086950	Soil	1.9	39.1	12.8	62	<0.1	35.2	12.9	327	3.50	12.9	0.6	6.4	1.2	17	0.1	0.8	0.7	73	0.15



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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
1085143	Soil	9	22	0.31	72	0.053	<1	0.89	0.017	0.06	0.3	0.04	1.4	<0.1	<0.05	4	0.5	<0.2
1085144	Soil	2	5	0.06	20	0.035	<1	0.29	0.022	0.03	<0.1	0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
1085142	Soil	7	20	0.21	84	0.039	1	0.85	0.015	0.05	0.1	0.07	1.2	<0.1	<0.05	4	0.7	<0.2
1085141	Soil	6	14	0.14	88	0.024	3	0.67	0.015	0.04	0.1	0.06	0.9	<0.1	0.07	2	0.6	<0.2
1086252	Soil	11	28	0.37	151	0.051	1	1.16	0.014	0.16	0.1	0.03	1.6	0.1	0.08	5	<0.5	0.3
1086266	Soil	12	58	0.71	156	0.096	1	1.66	0.016	0.12	0.3	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
1085145	Soil	1	5	0.06	19	0.042	<1	0.26	0.023	0.03	<0.1	0.02	0.4	<0.1	<0.05	2	<0.5	<0.2
1085149	Soil	6	20	0.22	102	0.051	<1	1.19	0.022	0.07	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1085147	Soil	7	24	0.35	91	0.044	<1	1.02	0.019	0.06	0.1	0.04	1.5	<0.1	<0.05	5	<0.5	<0.2
1085146	Soil	6	19	0.20	79	0.041	1	0.77	0.018	0.06	0.1	0.06	1.1	<0.1	<0.05	4	1.0	<0.2
1086270	Soil	13	31	0.54	166	0.068	1	1.40	0.013	0.10	0.4	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
1086251	Soil	11	31	0.45	169	0.045	1	1.17	0.014	0.21	0.2	0.02	1.8	0.1	0.15	5	0.6	<0.2
1085150	Soil	8	24	0.27	88	0.075	<1	1.06	0.012	0.07	0.3	0.02	1.3	<0.1	0.06	6	0.6	<0.2
1086938	Soil	13	90	1.07	80	0.094	<1	1.95	0.013	0.11	0.2	0.02	3.4	0.1	<0.05	7	<0.5	<0.2
1086942	Soil	9	86	0.84	103	0.160	2	3.00	0.019	0.13	0.2	0.02	3.7	0.1	<0.05	8	<0.5	<0.2
1086934	Soil	6	80	0.84	94	0.084	2	1.77	0.015	0.07	0.1	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2
1086936	Soil	13	137	1.30	127	0.097	1	1.86	0.018	0.10	0.1	0.03	3.1	0.1	<0.05	7	0.6	<0.2
1086935	Soil	9	57	0.67	81	0.102	2	1.96	0.011	0.06	0.1	0.05	2.7	<0.1	<0.05	8	<0.5	<0.2
1086933	Soil	5	164	1.68	115	0.120	<1	1.95	0.018	0.36	<0.1	0.01	2.3	0.2	<0.05	6	<0.5	<0.2
1086937	Soil	15	100	1.29	85	0.061	2	1.81	0.018	0.07	0.1	0.03	3.3	0.1	<0.05	6	0.7	<0.2
1086947	Soil	10	51	0.78	130	0.116	2	3.42	0.015	0.11	0.2	0.04	3.9	0.1	<0.05	7	0.9	<0.2
1086004	Soil	10	77	0.92	85	0.101	1	1.86	0.016	0.09	0.2	0.03	3.1	<0.1	<0.05	7	<0.5	0.7
1086941	Soil	9	86	0.85	83	0.174	1	2.72	0.016	0.22	0.4	0.04	4.1	0.1	<0.05	8	<0.5	<0.2
1086932	Soil	8	50	0.66	109	0.107	<1	1.44	0.015	0.13	0.1	0.02	2.4	0.1	<0.05	6	<0.5	<0.2
1086939	Soil	14	42	0.73	99	0.121	1	2.32	0.009	0.26	0.1	0.02	3.2	0.2	<0.05	7	<0.5	<0.2
1086005	Soil	12	51	0.72	119	0.113	2	2.98	0.014	0.11	0.2	0.02	3.7	<0.1	<0.05	7	0.5	<0.2
1086002	Soil	10	57	0.67	90	0.073	1	1.82	0.028	0.11	0.1	0.06	3.1	0.1	0.15	7	0.7	0.8
1086944	Soil	11	45	0.51	65	0.121	2	1.58	0.008	0.09	0.2	0.05	2.5	0.1	<0.05	10	<0.5	<0.2
1086946	Soil	11	37	0.45	86	0.101	<1	1.37	0.009	0.09	0.2	0.03	2.0	<0.1	<0.05	8	<0.5	<0.2
1086950	Soil	9	40	0.49	77	0.073	2	2.05	0.011	0.05	0.2	0.06	2.3	<0.1	<0.05	8	0.8	<0.2



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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
1086001	Soil	1.8	58.4	41.7	129	0.6	66.3	26.8	763	4.23	36.4	1.3	10.5	3.0	38	0.6	0.8	0.8	71	0.31	0.088
1086010	Soil	0.9	51.4	5.9	37	0.1	34.6	13.0	235	2.06	3.4	0.7	1.8	1.1	31	0.2	0.3	0.1	50	0.38	0.053
1086008	Soil	1.4	29.2	10.0	65	<0.1	29.2	10.7	220	3.24	9.3	0.6	8.7	2.1	14	0.3	0.7	0.2	73	0.15	0.034
1086003	Soil	1.7	47.4	10.6	58	0.6	63.0	15.8	397	2.86	22.0	1.3	10.6	1.0	36	0.1	0.6	0.6	65	0.36	0.087
1086011	Soil	1.0	97.5	4.4	88	<0.1	134.1	38.3	494	4.84	3.8	0.6	10.8	2.1	48	0.1	0.2	0.3	119	0.59	0.118
1086006	Soil	1.1	33.1	12.5	68	<0.1	39.8	12.2	296	4.29	14.2	0.8	3.0	4.3	14	0.2	0.7	0.4	82	0.19	0.045
1086012	Soil	1.3	67.0	7.3	57	0.3	68.9	23.8	351	3.34	3.8	1.0	5.3	1.9	43	<0.1	0.3	0.4	85	0.61	0.084
1086943	Soil	1.4	44.9	17.6	79	0.1	54.0	18.8	371	4.07	12.0	0.8	7.0	4.1	18	0.2	0.7	0.3	85	0.23	0.038
1086948	Soil	2.0	31.0	12.5	70	<0.1	31.7	14.9	493	3.64	12.3	0.8	3.3	2.1	21	0.2	0.9	0.3	82	0.21	0.063
1086009	Soil	1.4	50.1	10.7	74	0.1	59.1	23.3	426	3.74	8.2	0.9	3.6	2.8	33	<0.1	0.4	0.3	80	0.47	0.059
1086945	Soil	0.9	40.6	11.2	62	<0.1	51.6	21.0	405	3.47	8.1	0.8	2.4	4.7	16	0.2	0.6	0.3	68	0.24	0.051
1086931	Soil	1.7	34.5	7.7	47	<0.1	34.1	10.1	277	2.63	10.6	0.5	1.4	1.1	16	0.1	0.8	0.2	70	0.26	0.072
1086949	Soil	0.7	48.6	9.9	70	0.1	57.1	22.6	455	3.43	11.1	0.9	5.0	4.4	30	0.2	0.5	0.3	70	0.35	0.082
1086940	Soil	0.8	81.9	9.0	63	0.2	88.7	19.9	390	3.33	7.6	0.8	4.0	3.5	28	0.2	0.5	0.4	62	0.36	0.057
1086007	Soil	1.0	37.2	11.1	56	0.1	52.9	19.3	319	3.51	11.0	0.8	2.2	4.2	16	0.2	0.5	0.3	70	0.18	0.035



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CERTIFICATE OF ANALYSIS

WHI11000716.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1086001	Soil	14	50	0.64	105	0.086	2	1.86	0.025	0.15	0.4	0.03	2.9	0.1	0.08	6	<0.5	0.3
1086010	Soil	8	40	0.47	80	0.096	<1	1.20	0.027	0.08	0.1	0.05	2.2	0.1	<0.05	5	<0.5	<0.2
1086008	Soil	7	37	0.46	64	0.111	1	1.66	0.012	0.08	0.1	0.05	2.0	<0.1	<0.05	6	<0.5	<0.2
1086003	Soil	11	93	0.82	97	0.069	2	1.75	0.023	0.09	0.2	0.04	2.8	0.2	0.06	6	0.6	0.2
1086011	Soil	8	208	2.01	215	0.303	<1	2.51	0.025	0.52	0.2	0.02	3.8	0.4	0.06	10	<0.5	<0.2
1086006	Soil	11	56	0.73	60	0.159	1	1.66	0.011	0.13	0.3	0.02	2.8	0.1	<0.05	8	<0.5	<0.2
1086012	Soil	11	114	0.96	156	0.167	2	1.66	0.025	0.24	0.3	0.06	4.1	0.2	0.05	7	<0.5	<0.2
1086943	Soil	14	58	0.69	75	0.139	1	2.56	0.015	0.07	0.2	0.04	3.5	<0.1	<0.05	8	<0.5	<0.2
1086948	Soil	10	50	0.64	114	0.085	2	2.45	0.012	0.07	0.1	0.03	3.3	0.1	<0.05	7	<0.5	<0.2
1086009	Soil	10	77	0.87	109	0.156	2	1.92	0.024	0.13	0.2	0.03	3.6	0.1	<0.05	8	0.6	<0.2
1086945	Soil	12	57	0.78	88	0.136	2	2.22	0.013	0.15	0.2	0.03	3.3	0.2	<0.05	6	<0.5	<0.2
1086931	Soil	5	37	0.42	67	0.103	<1	1.13	0.017	0.06	<0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
1086949	Soil	12	58	0.83	113	0.127	2	2.15	0.019	0.15	1.0	0.02	4.1	0.1	<0.05	6	<0.5	<0.2
1086940	Soil	12	60	0.70	113	0.113	1	2.08	0.018	0.11	0.2	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
1086007	Soil	11	68	0.77	100	0.135	1	2.78	0.013	0.11	0.2	0.04	3.8	0.2	<0.05	7	0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000716.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1086229	Soil	0.8	30.4	9.1	65	<0.1	37.4	14.9	412	3.71	13.4	0.7	1.5	4.0	11	0.1	0.7	0.2	67	0.20	0.052
REP 1086229	QC	0.8	31.8	10.1	68	<0.1	38.9	14.5	410	3.51	13.3	0.8	2.0	4.3	13	0.1	0.8	0.2	67	0.21	0.051
1086144	Soil	1.2	30.1	24.4	59	0.3	28.3	11.6	361	2.84	38.5	0.7	8.1	3.6	19	0.4	0.8	0.2	57	0.20	0.052
REP 1086144	QC	1.1	31.4	24.1	62	0.3	29.7	12.4	388	3.11	40.4	0.7	8.1	3.2	18	0.5	0.8	0.2	57	0.19	0.053
1080199	Soil	2.2	73.2	12.8	105	0.3	53.7	22.7	870	3.80	215.6	2.1	20.9	2.4	16	0.7	4.9	0.2	71	0.14	0.091
REP 1080199	QC	2.1	73.5	12.9	102	0.3	54.0	22.8	832	3.77	209.9	2.2	27.2	2.5	17	0.7	5.0	0.2	68	0.14	0.091
1086121	Soil	1.6	24.1	10.1	79	0.5	24.1	11.2	262	2.97	26.5	0.9	8.8	2.4	29	0.2	0.6	0.2	55	0.45	0.072
REP 1086121	QC	1.5	23.2	9.9	76	0.4	24.9	10.9	261	2.87	26.4	0.8	12.1	2.3	29	0.1	0.6	0.2	53	0.45	0.068
1081464	Soil	0.9	40.3	39.5	115	0.4	51.1	15.1	510	3.03	34.2	1.3	6.0	3.9	88	1.0	0.4	0.3	56	1.39	0.062
REP 1081464	QC	0.9	40.5	40.5	114	0.4	52.1	15.8	515	3.09	35.2	1.4	8.6	3.8	90	1.1	0.5	0.3	57	1.46	0.065
1081482	Soil	1.0	44.3	32.1	128	0.2	45.9	15.6	560	3.27	44.6	0.7	7.3	5.0	44	1.0	0.6	0.3	64	0.72	0.050
REP 1081482	QC	1.0	43.7	32.0	128	0.2	44.7	15.4	567	3.24	43.6	0.7	9.3	4.9	44	1.0	0.5	0.3	64	0.71	0.053
1085023	Soil	2.2	44.9	11.1	65	0.4	36.4	12.7	295	3.14	31.7	1.1	5.4	3.6	36	0.1	0.5	0.4	60	0.09	0.056
REP 1085023	QC	2.1	42.8	10.4	61	0.3	33.9	12.4	286	3.08	29.5	1.0	5.0	3.4	34	0.2	0.7	0.3	55	0.09	0.052
1085021	Soil	2.9	30.9	7.9	61	0.2	24.4	10.4	455	2.71	23.0	0.8	1.8	0.3	23	0.2	0.8	0.2	61	0.12	0.070
REP 1085021	QC	3.0	31.3	8.3	66	0.2	24.8	10.9	464	2.83	23.3	0.8	3.9	0.3	25	0.1	0.9	0.2	62	0.12	0.078
1085149	Soil	1.2	32.1	9.6	70	0.3	20.3	11.3	232	2.20	53.9	0.7	10.5	1.3	25	0.3	1.4	0.2	46	0.17	0.058
REP 1085149	QC	1.1	31.8	9.6	70	0.3	20.4	10.9	231	2.16	55.3	0.7	10.1	1.3	26	0.4	1.5	0.1	47	0.17	0.056
1086004	Soil	1.4	28.3	10.0	63	0.2	50.1	16.4	435	3.28	34.0	0.7	17.3	3.1	24	0.2	0.5	1.2	74	0.22	0.060
REP 1086004	QC	1.4	29.0	10.2	64	0.2	51.3	16.7	449	3.35	34.8	0.7	41.6	2.9	25	0.2	0.5	1.2	75	0.22	0.058
1086007	Soil	1.0	37.2	11.1	56	0.1	52.9	19.3	319	3.51	11.0	0.8	2.2	4.2	16	0.2	0.5	0.3	70	0.18	0.035
REP 1086007	QC	1.0	38.4	11.6	60	0.1	55.3	19.6	335	3.72	12.0	0.9	4.2	4.4	17	0.2	0.5	0.3	74	0.19	0.037
Reference Materials																					
STD DS8	Standard	13.2	107.7	130.1	297	1.7	36.9	7.6	569	2.33	24.9	2.9	107.3	6.8	65	2.2	5.7	7.1	41	0.67	0.079
STD DS8	Standard	14.1	107.1	134.0	305	1.9	36.3	7.5	585	2.34	24.6	3.0	105.6	7.6	72	2.2	5.9	7.3	44	0.69	0.078
STD DS8	Standard	12.1	99.3	116.1	293	1.9	34.6	6.9	581	2.28	25.3	2.6	100.9	6.0	58	2.3	5.4	6.3	39	0.62	0.073
STD DS8	Standard	13.7	105.6	120.3	308	1.7	38.3	7.6	618	2.47	26.8	2.8	114.6	6.7	67	2.4	5.8	6.9	42	0.71	0.079
STD DS8	Standard	10.4	100.5	117.1	290	1.7	35.8	7.1	552	2.30	24.3	2.6	99.9	6.0	57	2.2	5.1	5.9	37	0.59	0.071



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Part 2

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
		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																		
1086229	Soil	13	47	1.01	112	0.125	2	2.25	0.007	0.25	0.1	0.02	3.8	0.2	<0.05	7	<0.5	<0.2
REP 1086229	QC	13	47	0.98	117	0.126	3	2.21	0.007	0.26	0.1	<0.01	3.9	0.2	<0.05	7	<0.5	<0.2
1086144	Soil	10	33	0.52	146	0.087	1	1.81	0.010	0.12	0.2	0.02	3.0	0.1	<0.05	5	0.9	<0.2
REP 1086144	QC	9	34	0.52	143	0.082	2	1.81	0.009	0.12	0.2	0.03	2.7	0.1	<0.05	5	0.5	<0.2
1080199	Soil	14	40	0.56	124	0.062	2	1.65	0.008	0.07	0.2	0.05	3.6	0.1	<0.05	5	0.7	<0.2
REP 1080199	QC	13	38	0.56	124	0.059	<1	1.62	0.008	0.07	0.1	0.06	3.5	0.2	<0.05	5	0.9	<0.2
1086121	Soil	10	31	0.45	141	0.073	1	1.24	0.020	0.17	<0.1	0.03	2.7	0.1	<0.05	4	0.6	<0.2
REP 1086121	QC	9	30	0.44	138	0.071	2	1.21	0.017	0.17	0.1	0.03	2.6	0.1	<0.05	4	<0.5	<0.2
1081464	Soil	14	69	0.93	157	0.088	3	1.65	0.024	0.24	0.2	0.03	3.8	0.2	<0.05	6	0.6	<0.2
REP 1081464	QC	14	69	0.96	158	0.091	5	1.72	0.025	0.24	0.4	0.03	3.9	0.2	<0.05	6	0.7	<0.2
1081482	Soil	14	57	0.91	176	0.098	3	1.86	0.025	0.24	0.2	0.03	4.4	0.1	<0.05	6	0.7	<0.2
REP 1081482	QC	14	57	0.90	176	0.097	2	1.86	0.028	0.24	0.3	0.03	4.4	0.1	<0.05	6	<0.5	<0.2
1085023	Soil	9	34	0.47	166	0.054	<1	1.44	0.013	0.14	0.2	0.02	2.0	0.1	0.11	5	0.7	0.3
REP 1085023	QC	9	31	0.45	160	0.052	<1	1.40	0.007	0.13	0.3	0.02	1.8	0.1	0.11	4	<0.5	0.2
1085021	Soil	7	24	0.35	100	0.030	<1	1.26	0.009	0.05	0.1	0.08	1.2	0.1	0.09	5	0.6	<0.2
REP 1085021	QC	7	25	0.38	108	0.031	<1	1.38	0.010	0.05	0.1	0.07	1.3	0.1	0.10	6	0.6	<0.2
1085149	Soil	6	20	0.22	102	0.051	<1	1.19	0.022	0.07	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
REP 1085149	QC	7	20	0.23	102	0.053	<1	1.20	0.023	0.07	0.2	0.03	1.2	<0.1	<0.05	4	0.7	<0.2
1086004	Soil	10	77	0.92	85	0.101	1	1.86	0.016	0.09	0.2	0.03	3.1	<0.1	<0.05	7	<0.5	0.7
REP 1086004	QC	11	79	0.94	87	0.104	2	1.87	0.014	0.09	0.2	0.03	3.2	<0.1	<0.05	8	<0.5	0.8
1086007	Soil	11	68	0.77	100	0.135	1	2.78	0.013	0.11	0.2	0.04	3.8	0.2	<0.05	7	0.5	<0.2
REP 1086007	QC	11	73	0.82	102	0.141	1	2.93	0.014	0.11	0.2	0.03	4.0	0.2	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	13	116	0.60	265	0.118	3	0.90	0.105	0.42	3.0	0.19	2.6	5.5	0.13	5	5.0	5.1
STD DS8	Standard	16	118	0.63	289	0.130	3	0.94	0.101	0.41	3.2	0.21	2.8	5.5	0.12	5	5.5	4.7
STD DS8	Standard	12	107	0.57	252	0.102	5	0.79	0.074	0.40	2.8	0.21	1.8	5.3	0.15	4	5.6	4.1
STD DS8	Standard	16	115	0.62	291	0.116	3	0.92	0.091	0.43	3.1	0.20	2.1	5.3	0.14	5	5.5	4.6
STD DS8	Standard	10	105	0.56	222	0.091	2	0.79	0.077	0.38	2.7	0.19	1.7	4.8	0.18	4	5.2	5.0



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Part 1

QUALITY CONTROL REPORT

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		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
STD DS8	Standard	12.7	110.7	124.2	310	1.9	38.0	7.6	606	2.42	25.7	2.7	106.9	6.6	66	2.3	5.7	6.5	41	0.68	0.077
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	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
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

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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
STD DS8	Standard	14	115	0.61	270	0.110	5	0.88	0.083	0.42	2.9	0.20	1.9	5.5	0.14	5	4.9	4.7
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	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	<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



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Client: **Ryan Gold Corp.**
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Submitted By: Mike Skead
Receiving Lab: Canada-Whitehorse
Received: July 15, 2011
Report Date: August 10, 2011
Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI11000717.1

CLIENT JOB INFORMATION

Project: PLU
Shipment ID:
P.O. Number
Number of Samples: 129

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	129	Dry at 60C			VAN
SS80	129	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	129	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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PLU

Report Date:

August 10, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000717.1

	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
1000477	Soil	0.3	14.7	2.9	55	0.2	8.1	3.9	189	1.25	4.2	0.2	1.2	0.3	30	0.5	0.2	<0.1	41	0.46	0.035
1000476	Soil	0.7	9.1	0.9	20	0.3	2.9	25.4	835	1.54	22.7	0.2	1.2	0.3	18	0.1	<0.1	<0.1	39	0.25	0.051
1000472	Soil	0.4	20.2	11.2	65	0.2	25.1	8.9	310	1.77	20.0	0.9	6.5	3.4	49	0.2	0.3	0.1	38	0.82	0.064
1000471	Soil	1.0	29.7	13.4	73	0.3	32.4	11.3	249	2.58	29.2	1.8	4.7	5.6	36	0.1	0.4	0.2	52	0.62	0.082
1000470	Soil	0.6	29.3	21.1	96	0.6	38.0	16.0	382	3.00	48.6	1.1	76.8	5.9	47	0.3	0.5	0.2	59	0.69	0.074
1000464	Soil	0.6	35.6	14.0	75	0.4	32.9	11.1	362	2.32	29.8	1.2	7.6	4.8	54	0.3	0.5	0.2	47	0.95	0.074
1085461	Soil	1.2	48.3	10.6	100	0.6	51.2	18.9	341	3.99	14.7	0.9	3.1	3.4	15	0.3	0.5	0.2	94	0.21	0.053
1000474	Soil	0.7	20.7	17.2	78	0.4	30.6	14.6	433	2.39	65.4	0.9	28.8	4.3	44	0.2	0.3	0.1	48	0.65	0.071
1000473	Soil	1.5	12.2	3.1	22	<0.1	8.6	6.9	1555	1.11	20.9	0.4	2.0	0.5	37	0.2	0.1	<0.1	36	0.62	0.056
1000475	Soil	0.7	24.0	18.5	70	0.4	33.0	11.5	380	2.49	60.7	0.8	14.4	4.8	32	0.2	0.4	0.2	47	0.49	0.097
1085462	Soil	2.0	36.9	14.7	84	2.0	40.6	16.1	398	4.06	33.1	1.0	7.2	1.9	17	0.4	1.1	0.2	94	0.20	0.049
1085466	Soil	0.6	21.9	18.8	92	0.2	45.0	13.6	280	2.99	44.3	0.7	7.4	5.5	29	0.2	0.4	0.2	63	0.45	0.091
1085464	Soil	1.5	27.5	8.4	51	0.5	15.8	9.3	201	2.02	38.0	0.6	16.8	1.5	16	0.1	0.8	0.2	54	0.14	0.047
1085465	Soil	1.5	28.1	28.0	74	0.6	46.6	16.5	369	3.71	70.9	1.1	10.0	7.2	26	0.5	0.7	0.3	84	0.30	0.064
1085460	Soil	1.1	47.8	10.0	99	0.4	52.0	17.4	420	3.78	59.9	0.9	8.5	3.3	15	0.3	0.7	0.2	77	0.18	0.053
1081063	Soil	1.0	35.1	10.6	67	0.2	69.5	19.5	592	3.15	86.9	1.4	9.3	3.7	70	0.1	3.3	0.2	59	0.98	0.065
1081068	Soil	1.1	40.7	11.5	74	0.3	29.5	14.2	223	3.86	55.9	1.5	9.3	4.9	30	0.2	1.4	0.2	72	0.43	0.062
1081051	Soil	2.2	34.9	12.4	48	0.6	28.5	10.9	257	4.37	8.5	0.8	3.9	1.5	17	0.2	0.7	0.3	81	0.14	0.059
1081055	Soil	1.5	35.9	10.3	59	<0.1	40.0	17.4	322	3.73	10.6	0.9	4.7	3.6	16	0.3	0.6	0.3	64	0.24	0.042
1085463	Soil	0.5	17.2	5.2	42	0.3	11.7	5.1	110	1.55	5.0	0.4	1.3	0.2	10	<0.1	0.2	0.1	46	0.12	0.037
1081059	Soil	0.4	15.6	2.0	27	<0.1	5.7	4.3	129	1.08	0.8	0.3	0.6	0.3	26	<0.1	0.2	<0.1	32	0.44	0.052
1081052	Soil	1.9	22.1	4.4	80	0.2	18.7	7.2	161	2.35	7.5	0.4	2.9	0.8	14	1.1	1.1	0.2	77	0.14	0.030
1081053	Soil	0.9	31.6	3.5	51	0.2	15.4	6.3	232	1.56	4.7	0.9	2.1	0.4	33	0.8	0.5	<0.1	44	0.91	0.066
1081054	Soil	1.9	38.6	11.0	161	0.2	50.3	15.7	907	3.37	14.9	0.8	33.6	4.4	134	0.7	2.5	0.2	58	5.93	0.060
1081056	Soil	1.2	38.7	10.7	60	<0.1	43.3	18.7	282	3.69	10.5	0.8	12.8	4.2	16	0.2	0.6	0.3	67	0.24	0.051
1081065	Soil	0.4	17.0	2.6	41	<0.1	9.1	5.7	147	2.01	15.1	0.4	3.0	1.0	23	<0.1	0.5	<0.1	68	0.38	0.067
1081061	Soil	0.8	34.1	8.6	74	0.1	30.6	14.1	478	2.57	30.1	1.2	5.6	1.8	91	0.1	1.2	0.2	42	1.65	0.059
1081062	Soil	0.5	32.9	7.1	72	0.2	25.6	13.3	448	2.36	25.2	1.0	2.9	1.7	83	0.2	0.9	0.2	41	1.53	0.074
1081067	Soil	1.2	49.4	11.3	73	0.3	33.5	15.5	236	4.12	60.9	1.7	9.0	4.8	32	0.3	1.5	0.3	73	0.47	0.070
1081066	Soil	1.3	18.7	1.6	47	0.1	12.1	15.1	2336	1.72	7.2	0.3	1.5	0.4	30	0.2	0.3	<0.1	48	0.51	0.084



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Project: PLU
Report Date: August 10, 2011

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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
		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
1000477	Soil	3	8	0.14	51	0.058	1	0.38	0.024	0.03	0.1	0.02	0.5	<0.1	<0.05	2	<0.5	<0.2
1000476	Soil	3	4	0.09	31	0.058	<1	0.25	0.034	0.03	<0.1	<0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
1000472	Soil	10	35	0.54	117	0.066	2	1.00	0.024	0.11	0.7	0.01	2.1	0.1	<0.05	4	<0.5	<0.2
1000471	Soil	15	48	0.75	167	0.103	1	1.35	0.018	0.17	0.4	0.02	3.1	0.2	<0.05	5	<0.5	<0.2
1000470	Soil	15	58	0.89	143	0.107	1	1.62	0.024	0.20	0.6	0.02	4.1	0.2	<0.05	6	<0.5	<0.2
1000464	Soil	14	42	0.69	154	0.090	1	1.25	0.029	0.18	0.6	0.01	3.0	0.1	<0.05	5	0.5	<0.2
1085461	Soil	8	55	0.77	237	0.168	1	2.72	0.011	0.46	<0.1	0.03	4.1	0.3	<0.05	7	0.6	<0.2
1000474	Soil	12	48	0.68	129	0.077	<1	1.27	0.021	0.12	0.7	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
1000473	Soil	4	8	0.15	80	0.055	<1	0.38	0.033	0.04	0.2	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
1000475	Soil	15	52	0.72	119	0.071	<1	1.28	0.018	0.14	1.0	0.01	2.8	0.1	<0.05	5	<0.5	<0.2
1085462	Soil	9	47	0.58	131	0.103	2	2.78	0.011	0.10	0.1	0.06	3.4	0.1	<0.05	8	<0.5	<0.2
1085466	Soil	15	71	1.05	159	0.133	<1	1.85	0.018	0.23	0.6	<0.01	3.7	0.2	<0.05	7	<0.5	<0.2
1085464	Soil	7	18	0.25	96	0.070	<1	0.93	0.020	0.14	0.1	0.04	1.5	<0.1	<0.05	5	<0.5	<0.2
1085465	Soil	15	67	0.81	130	0.129	<1	2.55	0.023	0.14	0.3	0.02	4.6	0.2	<0.05	9	<0.5	<0.2
1085460	Soil	9	49	0.70	172	0.136	1	2.47	0.010	0.37	0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
1081063	Soil	18	113	1.06	128	0.119	<1	1.63	0.024	0.15	0.1	0.02	5.0	0.2	<0.05	6	<0.5	<0.2
1081068	Soil	17	47	0.76	161	0.125	<1	1.95	0.012	0.19	0.2	0.03	4.8	0.2	<0.05	7	<0.5	<0.2
1081051	Soil	9	51	0.92	81	0.132	1	2.32	0.012	0.30	0.2	0.05	3.6	0.3	<0.05	8	<0.5	<0.2
1081055	Soil	11	40	0.77	130	0.136	<1	2.21	0.011	0.29	0.1	0.02	3.5	0.2	<0.05	6	<0.5	<0.2
1085463	Soil	3	15	0.20	75	0.052	<1	0.56	0.022	0.12	<0.1	0.02	0.6	<0.1	<0.05	3	<0.5	<0.2
1081059	Soil	4	6	0.16	61	0.053	<1	0.39	0.019	0.04	<0.1	0.02	0.8	<0.1	0.08	2	<0.5	<0.2
1081052	Soil	4	17	0.26	43	0.100	<1	0.63	0.013	0.07	<0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1081053	Soil	5	13	0.25	48	0.065	2	0.59	0.020	0.05	<0.1	0.03	1.2	<0.1	0.07	3	0.8	<0.2
1081054	Soil	15	35	0.99	146	0.092	2	2.02	0.033	0.11	0.2	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
1081056	Soil	12	39	0.71	102	0.147	<1	2.50	0.013	0.21	0.2	0.04	3.5	0.2	<0.05	6	<0.5	<0.2
1081065	Soil	5	13	0.23	53	0.110	<1	0.58	0.038	0.06	<0.1	<0.01	1.0	<0.1	<0.05	4	<0.5	<0.2
1081061	Soil	13	33	0.58	136	0.103	2	1.32	0.021	0.17	<0.1	0.03	2.7	0.2	0.08	5	0.7	<0.2
1081062	Soil	10	32	0.57	130	0.104	2	1.25	0.023	0.13	<0.1	0.04	2.8	0.1	0.09	5	<0.5	<0.2
1081067	Soil	20	49	0.77	163	0.120	<1	2.04	0.013	0.18	0.1	0.04	5.3	0.2	<0.05	6	<0.5	<0.2
1081066	Soil	4	8	0.17	100	0.070	<1	0.42	0.025	0.03	<0.1	0.01	0.8	<0.1	0.05	3	<0.5	<0.2



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Project:

PLU

Report Date:

August 10, 2011

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Part 1

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 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
1081058	Soil	0.2	16.4	1.1	26	<0.1	4.1	4.3	89	1.47	0.6	0.1	0.6	0.2	13	<0.1	0.1	<0.1	53	0.21	0.063
1081064	Soil	1.5	27.2	13.2	102	0.5	41.4	16.1	248	3.72	78.4	1.8	14.0	5.0	43	0.1	1.8	0.3	70	0.67	0.060
1081057	Soil	2.0	27.5	12.5	56	0.1	25.3	9.2	192	4.05	12.6	0.6	11.8	3.2	12	0.5	0.9	0.3	99	0.12	0.026
1081060	Soil	1.1	38.5	11.2	96	0.1	34.0	18.1	671	3.57	30.4	1.7	3.9	3.4	90	0.2	1.6	0.2	55	1.72	0.089
1080383	Soil	1.6	51.2	10.4	83	0.6	51.2	20.3	484	4.24	17.3	1.0	4.2	3.4	13	0.3	0.7	0.2	86	0.17	0.051
1080381	Soil	2.1	48.5	12.5	104	0.4	46.4	18.2	589	4.30	16.7	1.1	29.4	2.4	12	0.2	0.8	0.3	88	0.11	0.046
1086413	Soil	1.0	29.2	19.6	77	0.1	32.8	16.2	546	3.66	190.1	0.9	11.0	6.2	11	0.5	0.9	0.3	60	0.12	0.030
1080379	Soil	2.0	38.5	10.3	74	<0.1	24.9	10.4	302	2.68	26.7	0.8	2.7	1.2	12	0.2	1.4	0.2	54	0.07	0.042
1080382	Soil	1.6	59.5	13.0	122	0.1	48.3	14.2	335	4.01	12.4	0.9	4.0	2.8	11	0.1	0.9	0.3	67	0.12	0.074
1086412	Soil	1.6	29.4	17.4	73	<0.1	30.9	11.2	388	3.54	44.0	0.8	2.1	2.3	13	0.2	1.0	0.2	70	0.13	0.031
1086421	Soil	1.6	38.9	13.3	77	<0.1	30.6	13.0	500	2.79	21.0	1.4	2.4	1.7	16	0.3	1.0	0.2	59	0.20	0.043
1086419	Soil	2.2	35.1	12.0	76	0.1	26.2	9.0	330	2.79	18.5	0.9	1.1	1.5	16	0.3	0.9	0.2	59	0.18	0.051
1086414	Soil	0.5	20.5	9.1	57	<0.1	22.4	8.7	431	2.05	9.3	0.5	0.9	1.0	52	0.3	0.7	0.1	45	3.69	0.048
1080380	Soil	1.5	36.6	10.1	78	0.1	32.7	11.4	357	3.44	17.0	0.9	2.5	2.2	9	0.1	0.9	0.2	67	0.08	0.041
1086402	Soil	1.8	34.4	14.3	63	0.2	15.7	7.9	160	5.63	35.0	1.8	2.7	7.9	70	0.2	1.4	0.2	79	0.19	0.105
1086410	Soil	2.0	32.9	14.0	68	<0.1	28.7	11.7	394	3.84	12.4	1.0	1.8	1.9	23	0.2	0.8	0.2	78	0.34	0.045
1080384	Soil	1.1	34.3	9.1	80	<0.1	33.3	21.4	705	4.56	14.6	1.0	2.3	3.8	12	0.2	0.7	0.2	95	0.16	0.051
1080387	Soil	1.4	32.0	10.2	70	<0.1	34.0	20.8	557	4.42	14.7	1.3	1.9	6.7	34	0.2	0.8	0.2	64	0.12	0.070
1086406	Soil	0.7	29.3	6.3	79	0.1	33.7	15.0	318	3.29	30.8	0.5	1.9	3.2	111	0.2	0.6	<0.1	60	5.31	0.142
1086405	Soil	0.7	25.3	8.1	64	0.1	27.5	11.9	492	2.44	14.0	0.5	1.0	0.9	260	0.4	0.7	0.1	43	5.75	0.087
1086403	Soil	0.8	26.8	9.7	76	0.1	25.5	18.2	199	3.90	25.6	1.2	3.3	8.0	25	0.1	1.3	0.2	52	0.31	0.096
1086404	Soil	1.4	29.8	11.4	94	<0.1	28.8	14.9	787	3.31	19.9	0.8	1.8	2.1	33	0.3	0.8	0.2	60	0.58	0.079
1086415	Soil	0.5	21.4	7.1	66	<0.1	19.9	7.7	390	1.49	7.4	0.5	2.0	0.6	129	0.3	0.5	<0.1	30	7.45	0.138
1086411	Soil	2.0	28.8	13.5	64	<0.1	27.1	10.1	304	3.62	13.1	0.7	2.1	2.0	14	0.2	0.9	0.2	77	0.18	0.034
1086407	Soil	0.8	26.5	8.3	73	0.1	26.1	9.8	452	2.00	13.4	0.5	0.6	0.5	286	0.4	0.7	0.1	33	7.17	0.107
1086420	Soil	1.4	37.9	13.5	74	<0.1	31.2	12.6	490	2.76	17.3	1.3	3.9	1.9	12	0.3	0.9	0.2	58	0.18	0.037
1086408	Soil	0.5	21.4	7.2	51	0.1	23.7	9.8	359	1.99	20.0	0.6	1.8	2.5	250	0.3	0.4	0.1	38	7.10	0.087
1086409	Soil	0.7	27.8	8.3	55	0.1	37.4	15.7	488	2.60	9.1	0.8	1.5	1.7	330	0.3	0.4	0.1	40	8.28	0.114
1080386	Soil	1.8	22.1	10.8	74	<0.1	18.5	14.8	494	4.21	19.2	1.5	1.7	4.5	23	0.2	0.8	0.2	69	0.09	0.084
1080388	Soil	1.3	30.6	10.2	66	<0.1	28.7	18.7	398	4.24	39.0	1.2	5.3	6.8	33	0.2	0.9	0.2	59	0.12	0.073



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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	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1081058	Soil	4	5	0.12	26	0.082	<1	0.35	0.017	0.03	<0.1	0.02	0.5	<0.1	<0.05	2	<0.5
1081064	Soil	14	55	1.04	160	0.181	<1	2.21	0.017	0.25	0.2	0.03	4.8	0.2	<0.05	7	<0.5
1081057	Soil	11	37	0.59	77	0.188	<1	1.62	0.008	0.19	0.1	0.02	2.8	0.1	<0.05	10	<0.5
1081060	Soil	17	43	0.87	187	0.138	2	1.81	0.025	0.28	0.1	0.03	4.4	0.2	0.11	6	<0.5
1080383	Soil	11	51	0.75	113	0.156	1	2.54	0.013	0.29	0.1	0.07	4.3	0.2	<0.05	7	<0.5
1080381	Soil	10	53	0.68	108	0.136	2	2.12	0.008	0.22	0.2	0.05	3.9	0.2	<0.05	7	0.6
1086413	Soil	15	39	0.65	97	0.038	1	2.26	0.007	0.10	0.2	0.02	3.4	0.1	<0.05	6	0.6
1080379	Soil	7	28	0.36	136	0.050	<1	1.09	0.005	0.10	<0.1	0.03	1.8	0.1	<0.05	5	0.5
1080382	Soil	9	41	0.72	183	0.098	<1	1.75	0.005	0.42	<0.1	0.02	3.3	0.3	<0.05	6	1.5
1086412	Soil	8	36	0.57	88	0.064	<1	2.08	0.008	0.06	0.2	0.04	2.4	<0.1	<0.05	7	<0.5
1086421	Soil	11	33	0.54	103	0.071	<1	1.67	0.010	0.06	0.1	0.05	2.3	<0.1	<0.05	5	0.5
1086419	Soil	10	30	0.41	117	0.060	1	1.14	0.009	0.08	0.1	0.04	1.8	<0.1	0.05	5	0.5
1086414	Soil	8	25	2.27	107	0.059	2	1.22	0.017	0.06	0.2	0.03	2.2	<0.1	0.06	3	<0.5
1080380	Soil	8	38	0.50	102	0.094	1	1.77	0.006	0.15	0.1	0.06	2.4	0.1	<0.05	6	0.6
1086402	Soil	41	90	0.44	185	0.097	<1	1.95	0.022	0.07	0.1	0.04	5.9	<0.1	0.12	6	<0.5
1086410	Soil	11	38	0.53	80	0.089	1	1.78	0.008	0.07	0.1	0.03	2.5	<0.1	<0.05	8	<0.5
1080384	Soil	13	41	0.98	222	0.172	2	2.95	0.012	0.34	0.1	0.05	6.2	0.2	<0.05	8	0.7
1080387	Soil	23	34	0.54	134	0.119	1	2.54	0.050	0.13	0.2	0.04	5.1	0.1	0.18	6	0.5
1086406	Soil	16	51	2.40	89	0.072	<1	1.62	0.033	0.08	0.2	0.02	4.6	0.1	<0.05	5	<0.5
1086405	Soil	11	27	0.61	101	0.043	2	1.29	0.015	0.05	0.2	0.05	2.2	<0.1	0.05	3	<0.5
1086403	Soil	24	38	0.55	105	0.079	<1	1.54	0.015	0.12	0.1	0.02	4.4	0.2	0.05	4	<0.5
1086404	Soil	12	33	0.45	147	0.047	1	1.53	0.015	0.07	0.2	0.03	2.7	0.1	0.07	6	<0.5
1086415	Soil	9	19	3.68	75	0.036	2	0.89	0.013	0.04	0.2	0.06	1.2	<0.1	<0.05	3	0.6
1086411	Soil	8	34	0.51	86	0.080	<1	1.88	0.007	0.06	0.2	0.04	2.4	<0.1	<0.05	8	0.7
1086407	Soil	11	24	0.82	81	0.033	1	1.16	0.011	0.05	0.2	0.06	1.2	<0.1	0.08	3	0.6
1086420	Soil	10	32	0.53	101	0.069	1	1.67	0.009	0.06	<0.1	0.05	2.2	<0.1	<0.05	5	0.8
1086408	Soil	11	26	1.53	86	0.075	2	1.13	0.016	0.10	0.1	0.02	2.5	0.1	<0.05	4	0.5
1086409	Soil	14	33	0.93	70	0.059	2	1.19	0.014	0.08	0.2	0.05	2.5	<0.1	<0.05	4	0.6
1080386	Soil	24	24	0.50	85	0.096	<1	2.07	0.037	0.14	0.2	0.06	4.0	0.1	0.15	7	0.6
1080388	Soil	25	29	0.48	122	0.094	1	2.55	0.047	0.09	0.2	0.03	3.8	<0.1	0.16	6	0.6



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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
1086417	Soil	0.8	24.7	65.6	88	0.2	26.2	9.1	507	1.89	11.0	0.6	8.2	0.7	252	0.4	0.7	0.7	37	8.67	0.157
1086418	Soil	1.3	37.9	16.6	112	0.3	49.9	20.4	677	3.31	27.6	1.1	4.6	4.6	46	0.6	1.0	0.2	58	0.64	0.082
1080378	Soil	1.0	41.7	9.1	76	0.2	43.2	18.0	409	3.08	18.0	0.7	7.0	2.7	12	0.2	0.7	0.2	63	0.13	0.039
1086416	Soil	0.8	22.5	57.0	81	0.2	24.4	8.4	483	1.79	10.3	0.6	2.4	0.8	273	0.4	0.6	0.6	36	9.79	0.159
1086401	Soil	1.2	35.8	9.7	62	<0.1	23.7	13.3	291	5.05	27.9	1.2	3.1	5.3	55	0.2	1.0	0.2	64	0.11	0.077
1080385	Soil	1.4	34.8	9.3	75	0.2	27.8	16.4	637	4.78	15.9	1.4	3.2	4.9	14	0.1	0.5	0.2	89	0.12	0.054
1081151	Soil	0.5	39.7	13.0	72	0.4	36.6	15.6	511	2.88	54.0	1.1	7.0	2.4	97	0.3	0.4	0.5	49	1.48	0.068
1081161	Soil	0.5	34.6	12.9	58	0.2	24.2	11.9	447	2.07	29.3	1.1	6.2	1.1	105	0.4	0.3	0.3	33	1.70	0.078
1081160	Soil	0.4	34.8	12.8	69	0.2	33.6	13.9	404	2.70	60.4	1.2	6.5	2.2	99	0.3	0.4	1.1	44	1.55	0.052
1084685	Soil	0.8	30.2	5.3	33	0.2	13.9	6.1	158	1.49	30.9	0.7	6.2	0.4	54	0.3	0.3	0.2	32	0.87	0.063
1004375	Soil	0.9	53.0	11.9	74	0.5	36.4	14.2	626	3.19	55.2	1.5	5.1	3.4	60	0.4	0.6	0.4	53	1.10	0.046
1004374	Soil	1.1	35.9	14.1	81	0.2	43.3	17.4	459	3.98	80.5	1.0	18.2	6.8	28	0.2	0.6	0.7	69	0.38	0.023
1004376	Soil	1.5	31.0	12.7	59	0.2	38.8	16.7	473	3.42	28.7	0.6	5.8	2.6	38	0.4	0.5	0.3	64	0.74	0.023
1081162	Soil	0.7	37.1	9.5	64	0.4	32.8	15.8	520	2.55	47.9	1.1	12.1	2.4	68	0.3	0.3	0.7	44	1.24	0.063
1081159	Soil	0.4	28.8	13.7	63	0.2	31.0	13.1	371	2.37	32.0	0.8	7.7	2.2	82	0.4	0.3	0.6	42	1.47	0.044
1084684	Soil	0.6	69.0	7.4	94	0.3	33.8	13.5	917	2.22	32.3	1.0	10.0	1.0	113	0.7	0.5	0.2	40	2.16	0.068
1004372	Soil	0.5	40.4	9.3	79	0.2	53.7	17.8	466	2.82	33.1	1.0	7.4	2.9	108	0.4	0.3	0.3	43	1.77	0.064
1085187	Soil	0.6	48.3	8.1	73	0.3	59.5	18.8	566	3.49	27.9	1.0	14.5	5.0	74	0.3	0.3	0.6	63	1.04	0.078
1085182	Soil	0.8	32.4	9.2	56	0.3	26.8	14.3	548	2.26	35.2	1.1	14.4	2.0	31	0.3	0.3	0.4	41	0.44	0.060
1085183	Soil	1.0	29.5	13.6	80	0.3	34.7	14.0	447	3.35	125.5	0.7	22.7	5.8	22	0.1	0.5	0.4	46	0.28	0.047
1081158	Soil	0.4	30.7	12.1	73	0.2	37.7	13.9	401	2.57	39.8	1.1	4.9	2.9	70	0.3	0.3	1.0	43	1.37	0.055
1081156	Soil	0.6	25.3	16.2	84	0.1	35.6	15.9	526	2.91	37.5	0.7	5.4	4.4	31	0.3	0.3	0.3	56	0.51	0.060
1081157	Soil	0.6	24.0	15.7	77	0.3	34.1	11.8	393	2.49	42.5	1.0	15.9	6.4	28	0.4	0.3	0.3	42	0.52	0.085
1081155	Soil	0.6	38.8	85.2	156	0.8	42.9	16.8	429	3.59	80.0	0.9	23.6	6.8	47	0.9	2.1	0.9	59	0.58	0.067
1081153	Soil	0.5	38.2	14.4	74	0.3	24.4	9.9	389	1.87	41.1	0.7	6.6	1.4	69	0.6	0.2	0.3	34	1.14	0.056
1081152	Soil	0.6	33.4	29.5	104	0.6	35.0	13.2	418	2.82	56.3	1.2	17.5	2.9	60	0.8	0.5	0.4	47	0.88	0.067
1081154	Soil	0.5	41.7	43.5	113	0.7	38.0	14.3	521	2.63	77.1	1.0	13.4	2.7	90	1.2	0.4	0.5	43	1.44	0.055
1085184	Soil	1.1	35.8	11.7	62	0.4	41.3	15.0	279	3.95	44.1	0.8	9.1	5.6	16	0.2	0.5	0.4	66	0.16	0.035
1085185	Soil	1.2	37.5	11.6	64	0.4	41.0	14.6	269	4.17	46.4	0.8	19.6	5.7	17	0.3	0.6	0.4	72	0.15	0.033
1085181	Soil	1.1	35.3	26.5	95	0.4	49.7	19.4	594	4.02	142.2	1.1	28.7	6.2	34	0.1	0.5	0.7	56	0.38	0.056



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1086417	Soil	9	25	1.19	95	0.042	<1	1.12	0.016	0.06	0.2	0.06	1.8	0.1	0.05	3	1.0
1086418	Soil	20	34	0.60	166	0.063	<1	1.50	0.021	0.10	0.1	0.05	5.3	0.1	<0.05	5	0.9
1080378	Soil	8	38	0.61	156	0.107	<1	1.98	0.009	0.21	0.1	0.05	2.8	0.2	<0.05	5	0.6
1086416	Soil	9	25	1.14	95	0.040	1	1.05	0.014	0.06	0.3	0.06	1.8	0.1	<0.05	3	0.6
1086401	Soil	28	47	0.43	130	0.086	<1	2.28	0.083	0.09	0.1	0.04	4.8	<0.1	0.31	5	0.7
1080385	Soil	18	31	0.77	125	0.164	1	2.58	0.015	0.25	0.2	0.05	6.3	0.2	0.09	8	0.8
1081151	Soil	12	51	0.82	123	0.077	2	1.63	0.022	0.17	0.2	0.04	3.1	0.2	0.10	6	0.6
1081161	Soil	9	28	0.39	83	0.051	<1	1.15	0.019	0.09	0.1	0.05	1.7	0.1	0.08	4	0.9
1081160	Soil	9	48	0.70	102	0.088	<1	1.44	0.024	0.21	0.1	0.04	2.7	0.3	0.13	5	0.6
1084685	Soil	7	19	0.27	106	0.042	<1	0.95	0.019	0.07	0.2	0.04	1.1	<0.1	0.06	3	0.5
1004375	Soil	13	45	0.74	161	0.083	1	1.72	0.020	0.31	0.3	0.03	3.5	0.2	<0.05	6	0.7
1004374	Soil	19	58	0.94	113	0.105	<1	2.27	0.016	0.21	0.3	0.03	5.5	0.2	<0.05	7	0.8
1004376	Soil	8	49	0.70	135	0.076	2	1.99	0.023	0.20	0.2	0.01	2.8	0.2	<0.05	7	<0.5
1081162	Soil	10	44	0.72	119	0.066	2	1.50	0.018	0.15	0.1	0.03	2.5	0.2	<0.05	5	0.7
1081159	Soil	8	46	0.66	91	0.086	1	1.29	0.021	0.17	0.1	0.02	2.4	0.2	<0.05	5	0.7
1084684	Soil	11	30	0.42	166	0.044	3	1.20	0.022	0.12	0.1	0.04	2.0	0.1	<0.05	4	0.9
1004372	Soil	17	49	0.72	122	0.087	3	1.57	0.023	0.25	0.2	0.02	2.7	0.2	<0.05	5	0.6
1085187	Soil	13	70	1.03	165	0.092	1	2.12	0.040	0.27	0.5	0.02	4.2	0.3	<0.05	7	0.7
1085182	Soil	11	35	0.52	92	0.059	1	1.26	0.023	0.14	0.1	0.03	2.0	0.1	<0.05	5	<0.5
1085183	Soil	14	46	0.89	95	0.094	1	1.68	0.009	0.26	0.2	0.02	2.6	0.2	<0.05	6	<0.5
1081158	Soil	9	51	0.82	91	0.085	2	1.39	0.024	0.19	0.2	0.03	2.6	0.3	0.10	5	0.6
1081156	Soil	10	55	0.88	138	0.113	1	1.64	0.017	0.22	0.3	0.02	2.9	0.3	<0.05	7	<0.5
1081157	Soil	12	46	0.79	131	0.083	<1	1.42	0.018	0.25	0.3	<0.01	2.7	0.2	<0.05	5	<0.5
1081155	Soil	15	67	1.09	109	0.110	2	1.93	0.023	0.34	0.9	0.02	4.0	0.3	<0.05	7	<0.5
1081153	Soil	8	30	0.46	84	0.043	2	1.00	0.022	0.09	<0.1	0.02	1.6	0.1	0.10	4	<0.5
1081152	Soil	12	52	0.86	111	0.068	1	1.75	0.016	0.15	0.1	0.05	2.9	0.2	0.09	7	<0.5
1081154	Soil	10	47	0.75	109	0.052	2	1.52	0.020	0.16	0.2	0.03	2.5	0.2	0.09	5	0.7
1085184	Soil	9	57	0.75	94	0.108	1	2.66	0.010	0.20	0.2	0.02	3.4	0.2	<0.05	8	<0.5
1085185	Soil	10	58	0.71	92	0.112	1	2.79	0.012	0.19	0.3	0.04	3.5	0.2	<0.05	8	<0.5
1085181	Soil	16	73	1.16	108	0.091	<1	2.10	0.010	0.23	0.2	0.03	3.2	0.3	<0.05	7	<0.5



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Client:

Ryan Gold Corp.

600 - 666 Burrard St.

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Project:

PLU

Report Date:

August 10, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000717.1

	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
1085186	Soil	1.1	35.7	8.9	83	<0.1	75.2	21.7	431	3.80	61.7	0.7	13.1	4.5	21	0.1	0.4	0.6	76	0.23	0.055
1080468	Soil	0.6	39.5	17.0	75	0.3	47.6	14.2	509	2.80	78.3	1.0	18.0	2.9	74	0.5	0.5	0.6	41	1.39	0.049
1085180	Soil	1.0	34.5	21.1	90	0.4	48.1	17.6	518	3.65	112.9	1.0	19.6	5.4	32	0.2	0.5	0.6	52	0.36	0.053
1004381	Soil	0.8	44.8	20.2	85	0.3	43.4	17.8	849	2.72	80.7	1.2	21.1	2.7	68	0.8	0.5	0.5	45	1.34	0.057
1081165	Soil	0.9	63.5	6.1	61	0.3	62.1	25.6	454	3.40	10.1	1.5	5.3	4.0	81	0.1	0.2	1.0	68	1.09	0.095
1081166	Soil	0.7	42.6	4.7	38	0.2	24.3	10.3	270	1.96	12.6	1.5	6.3	1.5	53	0.1	0.2	0.6	34	0.93	0.054
1081167	Soil	0.9	59.8	19.4	101	0.5	70.4	19.6	537	4.05	71.3	1.2	24.6	7.2	45	0.4	0.4	1.6	52	0.89	0.075
1081163	Soil	0.6	33.2	5.5	55	0.2	29.0	14.1	419	2.60	18.1	1.1	6.3	2.6	48	0.2	0.2	0.3	52	0.75	0.061
1081164	Soil	0.9	38.2	5.9	78	0.1	51.6	24.5	543	4.58	17.0	1.1	3.2	6.4	48	0.1	0.2	0.8	96	0.42	0.069
1086078	Soil	0.5	28.9	7.7	56	0.2	22.6	12.6	537	2.07	20.7	0.7	5.8	1.0	56	0.2	0.6	0.1	40	1.75	0.068
1046596	Soil	0.5	12.8	8.7	32	0.3	6.2	3.8	108	1.26	34.0	0.4	13.2	<0.1	10	0.1	0.4	<0.1	34	0.09	0.029
1086063	Soil	1.1	22.1	10.8	56	0.6	15.8	15.4	440	2.00	21.6	0.7	9.5	0.9	15	0.2	0.4	0.1	58	0.15	0.045
1038157	Soil	1.0	36.2	8.6	66	0.3	21.8	10.8	248	1.51	23.5	0.6	2.9	0.4	17	0.5	1.5	<0.1	33	0.16	0.065
1086929	Soil	0.5	17.8	6.7	22	0.3	6.5	2.6	91	0.84	9.0	0.5	8.4	<0.1	17	0.3	0.3	<0.1	21	0.18	0.053
1038154	Soil	1.5	35.2	17.6	102	0.5	37.0	13.0	261	3.04	66.5	0.8	7.4	4.1	25	0.4	1.4	0.2	58	0.14	0.044
1086075	Soil	0.8	19.0	9.5	59	0.6	13.9	7.9	235	2.04	26.8	0.8	14.9	1.9	21	0.2	0.3	0.2	46	0.25	0.064
1086077	Soil	0.5	28.0	4.9	68	0.2	15.9	11.1	508	2.16	7.0	1.0	4.9	1.7	41	0.4	0.2	<0.1	49	0.90	0.067
1046595	Soil	0.8	34.7	5.6	38	0.8	16.2	5.8	167	0.98	12.4	0.9	7.5	0.2	17	0.4	0.5	<0.1	18	0.20	0.050
1086080	Soil	0.4	28.2	5.3	48	<0.1	19.0	6.7	282	1.37	6.4	0.7	2.4	0.6	44	0.4	0.2	0.1	28	1.37	0.061
1086074	Soil	0.2	11.7	1.4	18	0.2	3.1	3.0	78	1.09	2.0	0.5	3.4	0.4	13	<0.1	<0.1	<0.1	35	0.17	0.030
1086076	Soil	0.9	20.7	4.2	40	0.2	8.8	6.7	169	2.15	24.7	0.9	3.6	0.9	16	0.2	3.7	<0.1	40	0.19	0.051
1046594	Soil	1.8	23.8	16.4	90	0.5	24.3	9.5	358	2.85	33.3	0.6	2.4	1.7	19	0.5	1.2	0.2	61	0.16	0.040
1086930	Soil	1.9	33.5	49.5	154	0.8	31.6	17.5	982	3.65	239.6	1.1	37.1	3.7	74	0.7	2.8	0.3	47	0.19	0.086
1086079	Soil	0.3	13.6	3.9	25	0.2	6.2	3.9	229	1.24	7.4	0.9	10.0	0.7	20	0.2	0.2	<0.1	27	0.37	0.062
1086068	Soil	0.9	20.2	17.5	50	0.5	13.7	6.4	182	2.05	33.4	0.5	11.3	1.3	26	0.3	0.5	0.2	49	0.36	0.034
1038152	Soil	1.5	34.3	17.8	62	0.6	17.4	7.1	125	1.83	42.5	1.0	9.9	0.4	21	0.2	1.7	0.2	38	0.17	0.053
1038155	Soil	1.6	32.8	20.1	103	0.6	35.5	12.3	269	3.12	64.9	0.9	37.2	4.5	26	0.3	1.7	0.2	59	0.13	0.047
1086072	Soil	0.7	45.0	6.9	45	0.5	18.2	12.4	491	1.60	15.9	1.3	17.7	0.8	39	0.3	0.3	0.1	32	0.45	0.073
1086073	Soil	1.4	23.6	16.9	56	0.9	15.9	7.7	249	1.80	20.3	0.7	11.3	0.6	24	0.4	0.5	0.2	44	0.19	0.059
1086069	Soil	1.4	32.0	12.0	50	0.5	17.5	6.6	217	1.78	73.0	0.7	11.6	1.0	25	0.5	0.6	0.2	47	0.19	0.033



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000717.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1085186	Soil	9	122	1.32	116	0.133	<1	2.22	0.016	0.45	0.3	<0.01	3.8	0.5	<0.05	9	<0.5	<0.2
1080468	Soil	13	50	0.67	117	0.071	2	1.34	0.017	0.18	0.2	0.03	2.5	0.2	0.05	5	0.8	<0.2
1085180	Soil	14	66	1.06	103	0.083	<1	1.91	0.011	0.22	0.3	0.03	3.0	0.2	<0.05	7	<0.5	<0.2
1004381	Soil	13	46	0.71	123	0.071	1	1.39	0.016	0.22	0.3	0.02	2.5	0.2	<0.05	5	0.8	<0.2
1081165	Soil	18	66	0.99	137	0.116	1	2.56	0.045	0.33	0.3	0.04	4.9	0.4	0.12	7	0.9	0.3
1081166	Soil	11	35	0.52	118	0.054	1	1.21	0.025	0.16	<0.1	0.04	1.8	0.1	<0.05	4	0.7	<0.2
1081167	Soil	20	72	1.07	120	0.092	<1	1.85	0.012	0.42	0.3	0.02	4.0	0.4	<0.05	6	0.8	0.3
1081163	Soil	10	43	0.68	115	0.079	<1	1.39	0.021	0.18	0.1	0.03	2.5	0.2	0.07	6	0.5	<0.2
1081164	Soil	14	96	1.56	197	0.181	<1	2.46	0.043	0.68	0.1	0.02	5.5	0.6	0.26	10	0.7	<0.2
1086078	Soil	8	29	0.55	102	0.079	3	1.11	0.033	0.13	0.2	0.04	2.4	0.2	0.10	4	0.6	<0.2
1046596	Soil	3	9	0.08	36	0.024	<1	0.41	0.019	0.03	<0.1	0.03	0.4	<0.1	<0.05	2	<0.5	<0.2
1086063	Soil	6	20	0.24	75	0.053	<1	0.79	0.013	0.06	0.1	0.04	1.1	<0.1	<0.05	4	0.5	<0.2
1038157	Soil	5	15	0.19	75	0.036	<1	0.85	0.021	0.06	0.1	0.10	0.9	<0.1	<0.05	3	0.8	<0.2
1086929	Soil	3	7	0.05	56	0.018	1	0.29	0.019	0.03	<0.1	0.05	0.5	<0.1	<0.05	1	<0.5	<0.2
1038154	Soil	10	34	0.43	125	0.055	<1	1.69	0.010	0.10	0.3	0.03	2.2	0.1	<0.05	5	0.7	<0.2
1086075	Soil	10	17	0.40	87	0.073	<1	0.91	0.014	0.18	0.4	0.03	2.3	0.2	<0.05	4	<0.5	<0.2
1086077	Soil	14	17	0.38	110	0.076	1	1.03	0.019	0.13	0.9	0.06	2.5	0.2	0.08	4	0.6	<0.2
1046595	Soil	5	12	0.11	74	0.015	<1	0.60	0.022	0.04	<0.1	0.05	0.8	<0.1	0.05	2	0.6	<0.2
1086080	Soil	7	21	0.50	109	0.058	2	0.77	0.030	0.11	0.2	0.03	1.6	0.1	0.19	3	<0.5	<0.2
1086074	Soil	7	5	0.07	29	0.050	2	0.29	0.026	0.04	<0.1	0.02	0.8	<0.1	0.09	2	<0.5	<0.2
1086076	Soil	9	12	0.28	56	0.065	1	0.76	0.019	0.08	0.1	0.04	2.0	0.1	0.10	4	<0.5	<0.2
1046594	Soil	8	23	0.27	113	0.046	1	1.18	0.012	0.06	0.2	0.02	1.4	<0.1	0.07	6	<0.5	<0.2
1086930	Soil	13	22	0.28	137	0.035	<1	0.95	0.013	0.14	0.2	0.03	1.6	0.1	0.18	4	1.0	<0.2
1086079	Soil	7	11	0.18	59	0.054	2	0.53	0.029	0.08	<0.1	0.04	1.4	<0.1	0.10	2	<0.5	<0.2
1086068	Soil	8	17	0.24	100	0.055	2	0.86	0.020	0.10	0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1038152	Soil	7	16	0.20	86	0.032	1	0.75	0.016	0.05	0.2	0.07	1.0	<0.1	0.07	3	0.7	<0.2
1038155	Soil	10	33	0.44	117	0.062	<1	1.67	0.012	0.10	0.3	0.04	2.2	0.1	0.05	5	<0.5	<0.2
1086072	Soil	19	12	0.21	98	0.037	2	0.81	0.026	0.06	<0.1	0.09	2.1	<0.1	0.11	3	0.7	<0.2
1086073	Soil	8	23	0.30	113	0.045	2	1.01	0.018	0.10	0.1	0.05	1.3	0.1	0.06	4	<0.5	<0.2
1086069	Soil	8	17	0.21	107	0.051	<1	0.97	0.019	0.07	0.2	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2



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Project: PLU
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CERTIFICATE OF ANALYSIS

WHI11000717.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1086067	Soil	1.2	32.0	12.9	92	0.6	32.3	13.1	418	2.37	40.7	1.2	11.9	2.1	24	0.4	0.8	0.2	52	0.21
1086070	Soil	0.5	14.8	2.9	23	0.2	5.2	3.0	122	0.91	4.8	0.6	4.7	0.2	16	0.2	0.2	<0.1	19	0.17
1038153	Soil	1.3	22.3	18.8	54	0.5	12.8	13.3	278	1.68	39.1	0.6	11.9	0.6	20	0.2	0.8	0.2	35	0.12
1038156	Soil	1.2	54.8	12.6	77	0.4	33.9	10.7	177	1.62	36.4	1.4	7.8	0.7	24	0.7	1.7	0.2	36	0.22
1086065	Soil	0.7	16.2	12.1	44	0.3	11.0	5.9	246	1.37	13.8	0.5	11.0	0.3	26	0.2	1.2	<0.1	37	0.16
1086071	Soil	1.1	24.5	15.0	97	0.7	27.6	19.9	776	2.25	37.1	0.8	16.2	1.0	26	0.3	0.4	0.2	47	0.19
1086066	Soil	0.8	14.2	9.5	42	0.2	9.5	5.4	155	1.33	14.5	0.4	6.9	0.4	25	0.1	0.3	<0.1	34	0.11
1086064	Soil	0.2	9.9	3.0	18	<0.1	3.2	3.7	183	0.92	3.7	0.3	1.3	0.1	10	<0.1	<0.1	<0.1	28	0.08
1084509	Soil	1.8	40.1	13.0	89	0.3	31.4	9.8	330	2.68	23.0	1.0	5.4	5.5	31	0.4	0.8	0.2	59	0.50



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CERTIFICATE OF ANALYSIS

WHI11000717.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1086067	Soil	10	22	0.33	110	0.060	2	0.98	0.015	0.09	0.2	0.06	1.7	<0.1	<0.05	4	<0.5	<0.2
1086070	Soil	5	7	0.14	46	0.032	1	0.45	0.025	0.06	<0.1	0.04	0.8	<0.1	0.07	2	<0.5	<0.2
1038153	Soil	8	15	0.20	81	0.029	2	0.62	0.016	0.07	0.2	0.03	0.8	<0.1	0.07	3	0.5	<0.2
1038156	Soil	8	17	0.23	113	0.045	2	0.92	0.023	0.06	0.1	0.06	1.3	<0.1	<0.05	3	0.6	<0.2
1086065	Soil	6	13	0.15	103	0.038	2	0.49	0.018	0.06	<0.1	0.04	0.6	<0.1	<0.05	3	<0.5	<0.2
1086071	Soil	10	20	0.30	94	0.039	<1	1.02	0.017	0.10	0.2	0.06	1.8	0.1	<0.05	4	<0.5	<0.2
1086066	Soil	6	11	0.16	76	0.029	1	0.51	0.018	0.05	<0.1	0.06	0.7	<0.1	<0.05	3	<0.5	<0.2
1086064	Soil	2	6	0.06	28	0.039	<1	0.46	0.024	0.03	<0.1	0.02	0.4	<0.1	<0.05	2	<0.5	<0.2
1084509	Soil	17	43	0.70	209	0.105	2	1.47	0.022	0.19	0.4	0.02	3.9	0.2	<0.05	5	1.1	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000717.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01
Pulp Duplicates																					
1000477	Soil	0.3	14.7	2.9	55	0.2	8.1	3.9	189	1.25	4.2	0.2	1.2	0.3	30	0.5	0.2	<0.1	41	0.46	0.035
REP 1000477	QC	0.4	14.7	3.0	54	0.2	7.1	3.9	190	1.20	4.2	0.2	1.5	0.3	31	0.5	0.2	<0.1	38	0.45	0.034
1080381	Soil	2.1	48.5	12.5	104	0.4	46.4	18.2	589	4.30	16.7	1.1	29.4	2.4	12	0.2	0.8	0.3	88	0.11	0.046
REP 1080381	QC	1.8	46.1	12.6	103	0.4	45.2	17.1	566	4.14	15.5	1.1	2.7	2.5	12	0.2	0.9	0.3	81	0.10	0.050
1086414	Soil	0.5	20.5	9.1	57	<0.1	22.4	8.7	431	2.05	9.3	0.5	0.9	1.0	52	0.3	0.7	0.1	45	3.69	0.048
REP 1086414	QC	0.6	19.3	9.4	55	0.1	22.0	8.5	419	1.99	7.9	0.4	1.3	1.0	51	0.3	0.7	0.1	42	3.53	0.046
1080378	Soil	1.0	41.7	9.1	76	0.2	43.2	18.0	409	3.08	18.0	0.7	7.0	2.7	12	0.2	0.7	0.2	63	0.13	0.039
REP 1080378	QC	1.1	42.9	9.4	77	0.2	45.0	18.6	412	3.10	19.7	0.8	3.7	3.0	13	0.2	0.7	0.2	67	0.14	0.040
1085182	Soil	0.8	32.4	9.2	56	0.3	26.8	14.3	548	2.26	35.2	1.1	14.4	2.0	31	0.3	0.3	0.4	41	0.44	0.060
REP 1085182	QC	0.8	31.5	9.2	52	0.3	25.6	13.9	527	2.18	34.0	1.1	8.5	1.9	31	0.3	0.3	0.4	39	0.43	0.058
1046595	Soil	0.8	34.7	5.6	38	0.8	16.2	5.8	167	0.98	12.4	0.9	7.5	0.2	17	0.4	0.5	<0.1	18	0.20	0.050
REP 1046595	QC	0.8	34.9	5.6	38	0.8	15.9	6.0	168	0.98	12.9	0.9	9.0	0.1	18	0.4	0.4	<0.1	18	0.21	0.049
1038153	Soil	1.3	22.3	18.8	54	0.5	12.8	13.3	278	1.68	39.1	0.6	11.9	0.6	20	0.2	0.8	0.2	35	0.12	0.051
REP 1038153	QC	1.1	22.3	19.1	55	0.5	11.7	12.4	280	1.70	39.7	0.6	10.0	0.6	20	0.1	0.8	0.2	36	0.12	0.052
Reference Materials																					
STD DS8	Standard	14.6	116.8	134.5	312	1.9	41.5	8.3	640	2.63	25.7	3.0	116.6	7.3	69	2.2	6.3	7.3	47	0.75	0.080
STD DS8	Standard	11.6	101.7	121.4	295	1.7	36.0	7.1	568	2.31	23.4	2.6	104.6	6.1	54	2.1	5.7	6.8	38	0.64	0.078
STD DS8	Standard	12.5	107.4	128.0	304	1.7	38.2	7.4	571	2.37	25.1	2.9	104.3	7.2	69	2.2	5.9	6.6	39	0.68	0.079
STD DS8	Standard	13.6	112.7	116.0	306	1.8	38.5	7.9	615	2.49	26.6	2.6	123.1	6.3	60	2.3	5.3	6.2	43	0.68	0.080
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	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
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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August 10, 2011

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Part 2

QUALITY CONTROL REPORT

WHI11000717.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1000477	Soil	3	8	0.14	51	0.058	1	0.38	0.024	0.03	0.1	0.02	0.5	<0.1	<0.05	2	<0.5	<0.2
REP 1000477	QC	3	8	0.14	54	0.054	2	0.38	0.028	0.03	<0.1	0.02	0.6	<0.1	<0.05	2	<0.5	<0.2
1080381	Soil	10	53	0.68	108	0.136	2	2.12	0.008	0.22	0.2	0.05	3.9	0.2	<0.05	7	0.6	<0.2
REP 1080381	QC	10	49	0.74	109	0.131	1	2.19	0.009	0.21	0.1	0.06	3.6	0.2	<0.05	7	<0.5	<0.2
1086414	Soil	8	25	2.27	107	0.059	2	1.22	0.017	0.06	0.2	0.03	2.2	<0.1	0.06	3	<0.5	<0.2
REP 1086414	QC	8	24	2.18	104	0.054	2	1.19	0.016	0.06	0.2	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
1080378	Soil	8	38	0.61	156	0.107	<1	1.98	0.009	0.21	0.1	0.05	2.8	0.2	<0.05	5	0.6	<0.2
REP 1080378	QC	9	40	0.63	162	0.115	<1	2.06	0.010	0.23	0.1	0.04	3.0	0.2	<0.05	5	0.6	<0.2
1085182	Soil	11	35	0.52	92	0.059	1	1.26	0.023	0.14	0.1	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
REP 1085182	QC	11	34	0.50	92	0.057	1	1.22	0.018	0.13	0.1	0.03	2.0	0.1	<0.05	5	0.6	<0.2
1046595	Soil	5	12	0.11	74	0.015	<1	0.60	0.022	0.04	<0.1	0.05	0.8	<0.1	0.05	2	0.6	<0.2
REP 1046595	QC	5	12	0.11	73	0.017	<1	0.60	0.024	0.04	<0.1	0.07	0.7	<0.1	<0.05	2	<0.5	<0.2
1038153	Soil	8	15	0.20	81	0.029	2	0.62	0.016	0.07	0.2	0.03	0.8	<0.1	0.07	3	0.5	<0.2
REP 1038153	QC	8	16	0.19	76	0.032	1	0.63	0.017	0.07	0.1	0.04	0.8	<0.1	0.07	3	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	133	0.66	282	0.136	2	0.96	0.093	0.44	3.1	0.21	2.6	5.2	0.17	5	4.8	5.5
STD DS8	Standard	12	112	0.57	264	0.102	2	0.82	0.082	0.38	2.8	0.27	1.7	5.3	0.15	4	4.8	5.0
STD DS8	Standard	14	110	0.60	283	0.112	2	0.87	0.092	0.40	2.8	0.20	2.1	5.2	0.14	4	5.1	4.2
STD DS8	Standard	14	119	0.61	271	0.111	2	0.89	0.086	0.41	2.9	0.19	2.0	5.4	0.11	5	5.1	4.8
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	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	<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