Ontario

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Report of Prospecting on the Rock On! Property

Report prepared by Paul Gerlach
[135962]
May 25 2021

Table of Contents

Attached: Maps with location,traverses,sample location,outcrops

Location:

The Rock On! Property is located approx. 16km north of Terrace Bay in the Lower Aguasabon Lake area, more precisely Claim Cell Unit #'s 609966,609967,609968,609969,609970,609971. Access to the property is via the Diversion Road which is accessed from HWY 17 in Terrace Bay turning onto Mill Road, then turning onto Diversion Road heading north for approx. 27km to a fork [Y] in the road, taking the left branch [Wintering Road] for approx. 1-2 km, the property is located on the south side of the road.

History: The archives of the MNDM indicate that the area has had little or no previous exploration activity. Based on various information, reports and surveys provided by the MNDM database, the property was investigated in the spring of 2020. During the initial exploration an anomaly was discovered that prompted the area to be staked.

Report of Activities on the Rock On! Property

All activities in this report were completed by Paul Gerlach [135962]

6 Claim cell units were staked on Aug 24 2020.

On September 13 2020 packed lunch headed to claims to cut/clean trail previously flagged, completed approx. 200 metres.

On September 17/20 Returned to area cut/clean approx. 200 metres, continued up trail picking up debris noticing that the area is mostly glacial till covered with overburden coming across boulders here and there with increasing frequency as you get to the summit of hill. The forest is mixed with mainly mature trees with thick alders in the many small ravines running in all directions.

On September 18/20 Returned to the area to cut/clean trail to a place where the topography starts to increase with every step, this small ravine appears to be a runoff area during the spring as the ground is eroded with rocks visible. Access from this point will be by foot until another route for ATV can be

established.

On September 21/20 Returned to the area proceeded up to the anomalous outcrop. Standing at the outcrop looking to the south the area looks to be an oval shaped bowl with steep topography 100-200 metres across, thick with alders old growth debris in the bottom, the steep sides are rocks and boulders covered with overburden. The main outcrop at the north eastern area has quartz veins one is white opaque the other is that of a chunky type with large crystals and fractures and fissures suggesting the venting of gasses and or steam. The quartz veins are near vertical, parallel to the outcrop.

On September 23/20 returned to area, to grab some samples to be analysed samples taken are WPT76, WPT76A, and WPT82. Traversed the area in a 2-300 metre radius covering the south embankment found diorite intrusion outcrop to the south west.

On September 24/20 to Thunder Bay to submit samples. Confirmation e-mail received Sept 24 that samples submitted for testing, sample batch # A20-11636

On October 4/20 went to claims area traversed the western area. The area is heavily forested with mixed vegetation balsam, spruce, birch with thick alders. Areas of glacial till with boulders of various sizes encountered also many small ravines, valleys in all directions, came across pond and collected sample WPT 83, continued heading east collected sample WPT 84.

On October 8/20 brought ATV drove to end of cut trail, proceeded by foot up the east side to look for outcrops and trail route. Trail route identified and to be cut/cleared at a later date. Brought some tools to the main outcrop to leave there.

On October 10/20 a traverse was made going south to a pond approx. 1km south of the anomaly outcrop. The forest is thick with alders and spruce with rugged terrain, there are areas with large rocks lightly covered with overburden making the journey cumbersome, but the forest would clean up with birch growth and fewer alders. Found outcrop on south facing ridge, removed some overburden grabbed a sample WPT 85 could see the pond down in the lower elevation to the left. Proceeded to pond area rock and boulders around shoreline. Began turning north to make way back. Several diorite outcrops observed on the return trip, marked

on traverse map.

On October 16/20 made my way up the mountain just before the summit I went right to look for outcrops in ravine continued for approx. 1km staying to the high ground until I got to a point where I was close to WPT83 that I had visited on Oct. 4. At sample area WPT 83 looked around and removed some overburden, proceed north east up the hill for approx. 200m found outcrop, removed overburden took a sample WPT83A. Made way back to the anomalous area then back home.

On October 20/20made way up the mountain going to WPT69 an area first noted May 15 2020 to check this outcrop further, pull back some moss and dug out overburden found quartz veining, grabbed sample. Looked around area for more outcrop found an area approx. 20 metres north west took sample WPT69A.

On October 27/20 made traverse to main outcrop pulling back small patches of overburden in a westerly direction towards WPT69, after approx. 20metres the overburden and vegetation got thick. The weathered uncovered rock appeared similar to the veneer covering described in the July 21 2020 of the last report described as sheeting, exfoliation joints.

On October 30/20 a traverse was made to the eastern area of the claims. The topography and forest is also steep and thick, spruce, birch and alder. The fault running down this area is north to south with steep terrain in a valley which is plugged with rock and boulders making traversing difficult a creek runs from south to north. Once past the second pond the rock and boulders were more to the edges, continued to a point where a ravine came in from the west, a dry creek bed was amongst the rock and boulders that filled the ravine. Walking through the boulder field I made it to an outcrop on the southern side. Collected a sample here that was mineralized, began the brutal trip back on the opposite shore of the main fault creek. 3 Samples were taken WPT86, 87 and 88.

On November 14/20. I was planning to go approx. 3km north on the main road and go to a new area of interest, once there, it was apparent

that I could not cross the creek that was roaring in front of me. I went back to the staging area for the claims and headed directly into the bush heading south east to look for outcrops. Coming to the summit did some overburden removal turned out to be rock and boulder pile continued for another 300m came to WPT69 area put some flagging tape up, proceeded to the main area. At the main area went to top of outcrop pawing patches of moss off where possible to check for mineralization, gathered tools that are in the area and set aside for next year as the snow is falling and probably last time here.

Sample Locations UTM 16 U and Sample Descriptions

Sample WPT69 is a medium grained diorite with quartz vein, quartz porphyroblast and a fine grey inclusion. Location UTM 0491097/5424861

Sample WPT69A is a medium grained diorite with a dark medium grained vein. Location: UTM 0491076/5424901

Sample WPT76 is an opaque white quartz. Location UTM 0491207/5424848

Sample WPT76A is a med/fine grained dark grey banded with quartz
Location same as WPT76.

Sample WPT82 is a foliated grey/blue phyllite with mineralization.
Location UTM 0491185/5424824.

Sample WPT83 is a fine grained tuff
Location UTM 0490900/5424633.

Sample WPT83A is a quartz diorite with mineralization.
Location UTM 0490919/ 5424616

Sample WPT84 is a banded grey diorite schist.
Location UTM 0491080/5424520

Sample WPT85 is med.grained diorite with quartz porphyroblasts, blocky with fine grained inclusions, pyrrhotite present. Location UTM 0491160/5424234

Sample WPT86 is a quartz diorite.
Location UTM 0491661/5424511

Sample WPT87 is a fine/med. grained diorite with pyrrhotite present.
Location UTM 0491539/5424021.

Sample WPT88 is a blue grey, foliated, with elongated quartz.
Location UTM 0491656/5424185

Associated Costs for the Activities in this Report

Travel from Terrace Bay to claims and return 752km

ATV on claims 4km Total 756km

756km@$.50/km = $378.00

Supplies taken from stores and replenished

Food and water for 13 days @ $6.00/day = $78.00

GPS Batteries 2/day no receipt $14.99

Sample Analysis: Sample #WPT69 =$ 59.95 Sample# 83A =$ 59.95 invoice#A20-16280

Sample#WPT84,WPT85,WPT87,invoice#A20-13901 =$162.55

Sample# WPT76,WPT76A,WPT82 invoice#A20-11636 = $174.98

Total Sample Analysis= $457.43

Prospecting Labour 13days @$400.00/Day=$5200.00

Total $6128.42

Traverse Map Key

Small Blue Dotted Line—ATV trail,, exit for all traverses
Green Dotted Line- Sept23/20 traverse
Solid Blue Line-Oct 4/20 traverse
Yellow Dotted Line- Oct8/20 traverse
Yellow Solid Line-Oct10/20 traverse
Solid Green Line- Oct16/20 traverse
Purple Solid Line- Oct20/20 traverse
Orange Solid Line- Oct30/20 traverse
Red Dotted Line- Nov14/20 traverse
Blue Dash Line- exit for all traverses

PROPERTY LOCATION

Map Notes:

Enter map notes

Date / Time of Issue: Mon Nov 30, 14:51:34 EST 2020

Ontario

Ministry of Energy, Northern Development and Mines
Custom Map

Administrative Districts

Township

LOWER AGUASABON LAKE AREA

Mining Division

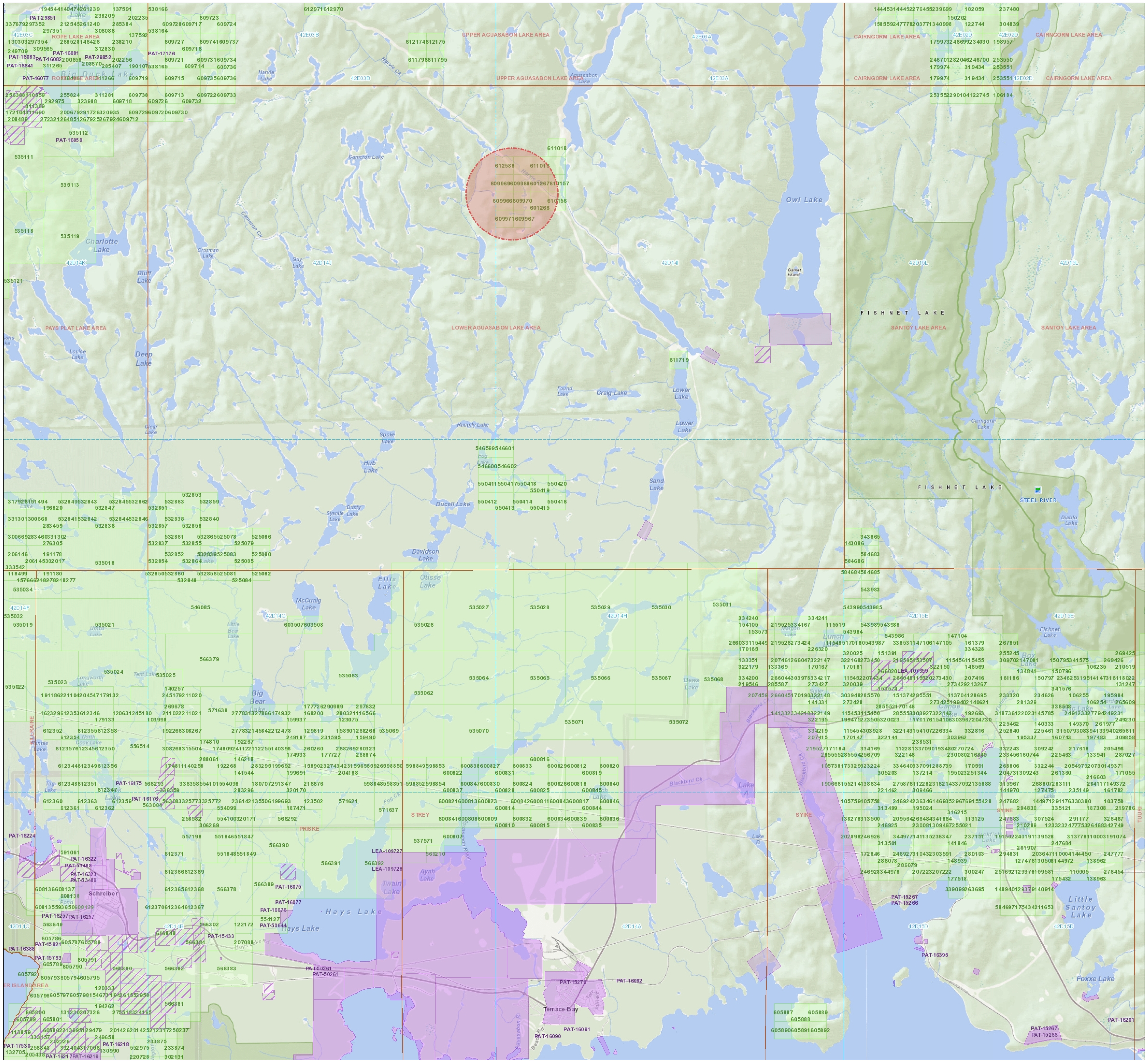
Thunder Bay

Land Registry

THUNDER BAY

MNRF District Office

Nipigon



Topographic

- Building as Symbol
- Building to Scale
- Runway
- Heliport \ Hospital Heliport
- Seaplane Base
- Ferry Route
- Trail Head \ Trail
- Railway \ Train Station
- Railway with Bridge
- Railway with Tunnel
- Road (Major → Minor)
- Winter Road
- Road with Bridge
- Road with Tunnel
- Primary, Kings or 400 Series Highway
- Secondary Highway
- Tertiary Highway
- District, County, Regional or Municipal Road
- Toll Highway
- One Way Road
- Road with Permanent Blocked Passage
- Road with Address Ranges
- Hydro Line, Communication Line or Unknown Transmission Line
- Natural Gas Pipeline, Water Pipeline or Unknown Pipeline
- Spot Height
- Index Contour
- Contour
- Wooded Area
- Wetland
- Waterbody
- Waterbody Elevation
- Watercourse
- Falls
- Rapids
- Rapids \ Falls
- Rapids
- Rocks
- Lock Gate
- Dam \ Hydro Wall
- Dam \ Hydro Wall
- Provincial \ State Boundary
- International Boundary
- Upper Tier \ District Municipal Boundary
- Lower Tier \ Single Tier Municipal Boundary
- Lot Line
- Indian Reserve
- Provincial Park
- National Park
- Conservation Reserve
- Military Lands

Legend

Mining Claim
- Mining Claim
- Boundary Claim
- Legacy Claim

Alienation
- Withdrawal
- Notice

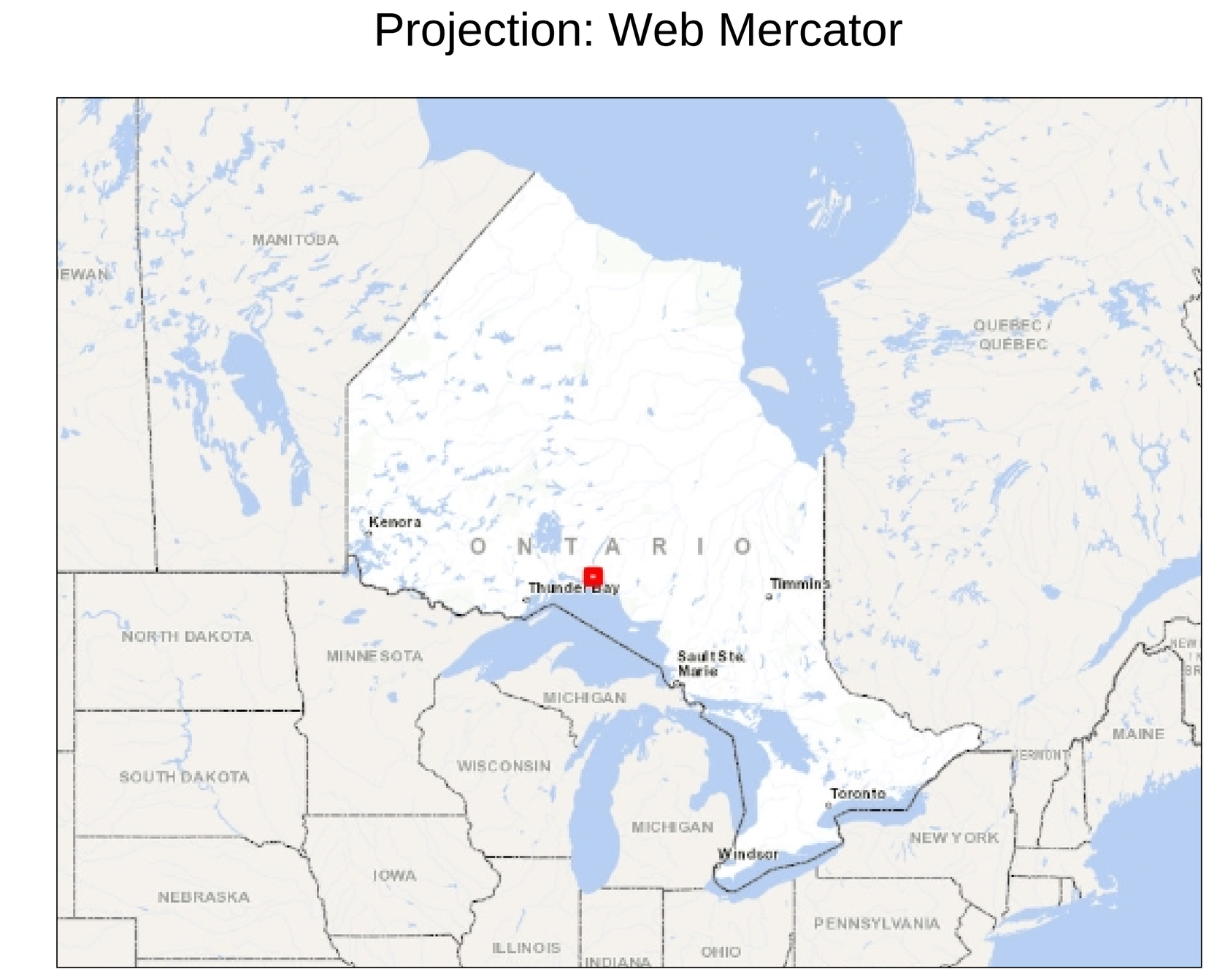
ENDM Administrative Boundaries
- ENDM Townships and Areas
- Geographic Lot Fabirc
- Mining Division

Land Tenure
- Surface Rights
- Mining Rights
- Mining and Surface Rights
- Order-in-Council
- Federal Land Other

Scale: 1:40,000

0 — 8.00 km

Map Datum: NAD 83
Projection: Web Mercator



N

Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Energy, Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources.

Completeness and accuracy are not guaranteed.

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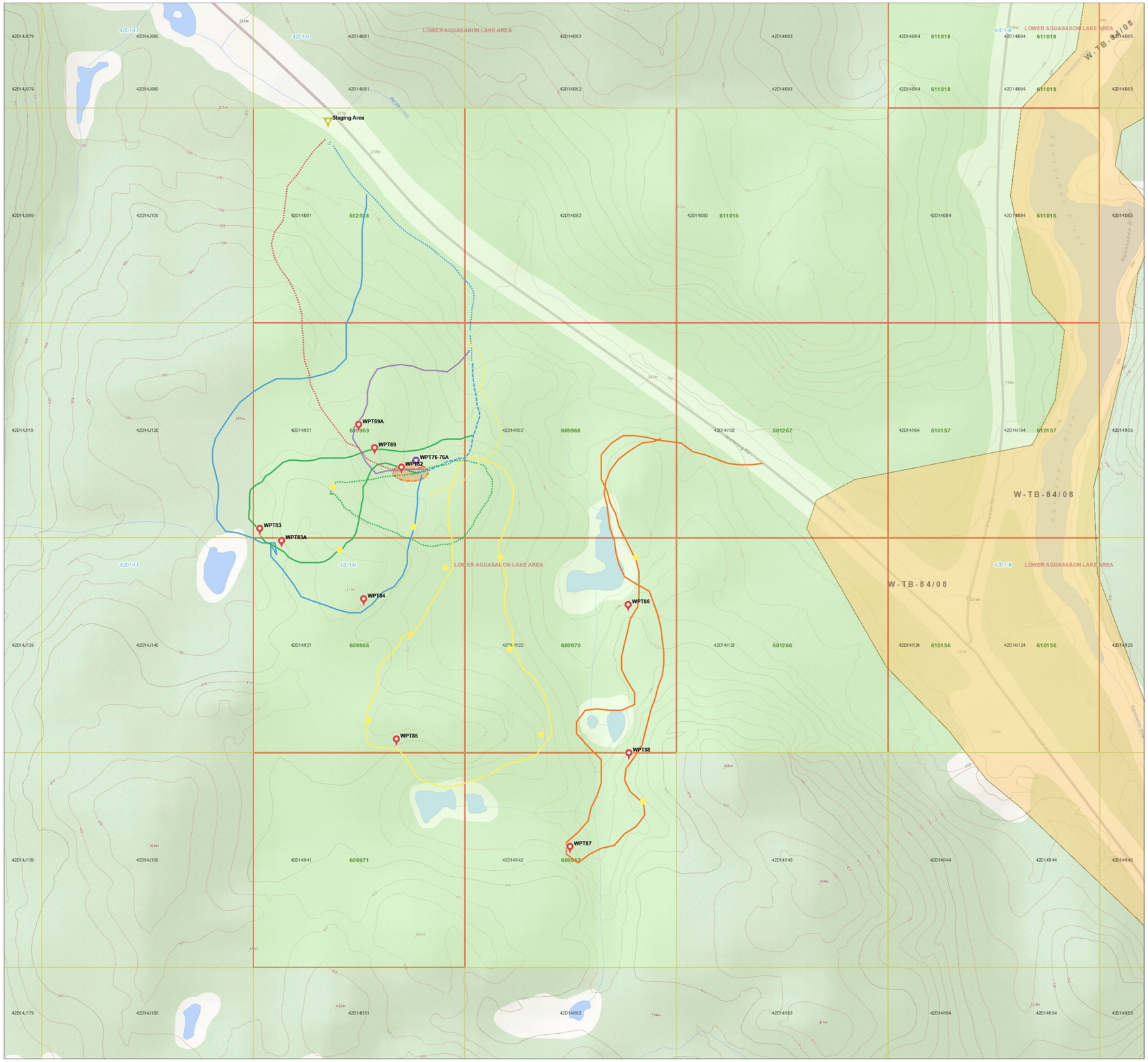
Traverses and Sample Points

Map Notes:

PURPLE PIN = WPT7&76A YELLOW DOTS= Diorite Outcrops STAGING AREA IS TRUCK PARK ORANGE SHADED AREA IS ANOMALOUS OUTCROP SOME TRAVERSES SHOWN STARTING AT ANOMALY AREA



Date / Time of Issue: Mon Nov 30, 14:36:51 EST 2020

Ontario

Ministry of Energy, Northern Development and Mines
Custom Map

Administrative Districts

Township
LOWER AGUASABON LAKE AREA
Mining Division
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THUNDER BAY
MNRF District Office
Nipigon

Topographic

Building as Symbol
Building to Scale
Runway
Heliport \ Hospital Heliport
Seaplane Base
Ferry Route
Trail Head \ Trail
Railway \ Train Station
Railway with Bridge
Railway with Tunnel
Road (Major ➞ Minor)
Winter Road
Road with Bridge
Road with Tunnel
Primary, Kings or 400 Series Highway
Secondary Highway
Tertiary Highway
District, County, Regional or Municipal Road
Toll Highway
One Way Road
Road with Permanent Blocked Passage
Road with Address Ranges
Hydro Line, Communication Line or Unknown Transmission Line
Natural Gas Pipeline, Water Pipeline or Unknown Pipeline
Spot Height
Index Contour
Contour
Wooded Area
Wetland
Waterbody
Waterbody Elevation
Watercourse
Falls
Rapids
Rapids \ Falls
Rapids
Rocks
Lock Gate
Dam \ Hydro Wall
Dam \ Hydro Wall
Provincial \ State Boundary
International Boundary
Upper Tier \ District Municipal Boundary
Lower Tier \ Single Tier Municipal Boundary
Lot Line
Indian Reserve
Provincial Park
National Park
Conservation Reserve
Military Lands

Legend

Mining Claim
Mining Claim
Boundary Claim
Legacy Claim
Alienation
Withdrawal
Notice
ENDM Administrative Boundaries
ENDM Townships and Areas
Geographic Lot Fabirc
Mining Division
Land Tenure
Surface Rights
Mining Rights
Mining and Surface Rights
Order-in-Council
Federal Land Other

Scale: 1:3,282

0 — 0.66 km

Map Datum: NAD 83
Projection: Web Mercator

N

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Quality Analysis ... *Innovative Technologies*

Report No.: **A20-11636**
Report Date: **23-Nov-20**
Date Submitted: **24-Sep-20**
Your Reference:

Rock On Exploration
4 Cavanaugh Crescent
Terrace Bay ON
Canada

ATTN: Paul Gerlach

CERTIFICATE OF ANALYSIS

3 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-Exp	QOP PGE ICP-MS (Fire Assay-ICPMS)	2020-11-19 21:21:13
1D	QOP INAAGEO (INAA)	2020-10-30 12:56:29
UT-2-0.5g	QOP AquaGeo/QOP Ultratrace-1 (Aqua Regia ICPOES/ICPMS)	2020-10-15 22:06:08
UT-7	QOP Sodium Peroxide (Sodium Peroxide Fusion ICPOES + ICPMS)	2020-10-22 09:53:44

REPORT **A20-11636**

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Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

For values exceeding the upper limits we recommend assays.

We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Pd	Pt	Au	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	1	2	5	5	2	100	1	1	5	10	2	0.02	1	1	5	5	0.05	50	30	0.2	0.1	5
Method Code	FA-MS	FA-MS	FA-MS	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
WPT76				19	< 5	< 2	< 100	3	1	7	90	< 2	2.51	1	< 1	< 5	10	0.42	< 50	< 30	< 0.2	4.3	< 5
WPT76A																							
WPT82	< 1	< 1	3																				

Analyte Symbol	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Li	Be	B	Na	Mg	Al	P
Unit Symbol	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	%	%	%	%
Lower Limit	0.05	0.1	1	0.5	0.5	4	50	1	3	5	0.1	0.2	0.5	0.2	0.05		0.1	0.1	1	0.001	0.01	0.01	0.001
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP
WPT76	< 0.05	< 0.1	< 1	0.5	< 0.5	< 4	< 50	3	12	5	1.1	0.2	< 0.5	0.5	< 0.05	31.1							
WPT76A																	4.9	0.1	16	0.116	0.86	1.00	0.049
WPT82																							

Analyte Symbol	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd
Unit Symbol	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1
Method Code	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT76																							
WPT76A	0.047	0.09	1.32	53	72	0.38	461	3.32	5.5	25.9	19.5	34.0	5.68	< 0.1	1.7	0.6	2.8	33.6	5.65	2.5	5.3	0.7	0.9
WPT82																							

Analyte Symbol	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT76																							
WPT76A	1.0	0.2	0.6	< 0.1	1.1	7.30	0.136	0.07	< 0.02	0.66	0.07	0.04	0.21	19.7	2.7	6.15	3.48	0.7	0.3	0.1	0.6	< 0.1	< 0.1
WPT82																							

Analyte Symbol	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit Symbol	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
WPT76																							
WPT76A	< 0.05	22.6	< 0.001	3.5	0.02	2.0	1.25	0.3	0.2	120													
WPT82											7.63	7	< 10	542	< 3	7	3.76	< 2	26.9	16.8	150	8.9	211

Analyte Symbol	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
WPT76																							
WPT76A																							
WPT82	3.7	2.3	1.4	8.96	22.8	3.3	2.1	0.9	< 10	< 0.2	1.3	10.8	35	2.44	846	3	8.8	19.3	90	8.6	3.3	56.6	1.65

Analyte Symbol	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
WPT76																			
WPT76A																			
WPT82	< 2	< 8	24.6	4.6	1.3	459	0.7	0.9	< 6	1.3	1.09	0.3	0.4	0.5	204	86.1	20.4	1.8	100

Analyte Symbol	Pd	Pt	Au	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	1	2	5	5	2	100	1	1	5	10	2	0.02	1	1	5	5	0.05	50	30	0.2	0.1	5
Method Code	FA-MS	FA-MS	FA-MS	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
PTM-1a Meas																							
PTM-1a Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
DTS-2b Meas																							
DTS-2b Cert																							
GBW 07239 (NCS DC 70007) Meas																							
GBW 07239 (NCS DC 70007) Cert																							
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
OREAS 101a (Fusion) Meas																							
OREAS 101a (Fusion) Cert																							
SARM 3 Meas																							
SARM 3 Cert																							
NCS DC86315 Meas																							
NCS DC86315 Cert																							
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
PK2 Meas	5940	4860	4930																				
PK2 Cert	5918	4749	4785																				
CZN-4 Meas																							
CZN-4 Cert																							
OREAS 45d (Aqua Regia) Meas																							
OREAS 45d (Aqua Regia) Cert																							
OREAS 45d (Aqua Regia) Meas																							
OREAS 45d (Aqua Regia) Cert																							
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 922																							

Analyte Symbol	Pd	Pt	Au	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	1	2	5	5	2	100	1	1	5	10	2	0.02	1	1	5	5	0.05	50	30	0.2	0.1	5
Method Code	FA-MS	FA-MS	FA-MS	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
(AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert																							
OREAS 520 (Aqua Regia) Meas																							
OREAS 520 (Aqua Regia) Cert																							
OREAS 520 (Aqua Regia) Meas																							
OREAS 520 (Aqua Regia) Cert																							
OREAS 922 (Peroxide Fusion) Meas																							
OREAS 922 (Peroxide Fusion) Cert																							
OREAS 621 (Peroxide Fusion) Meas																							
OREAS 621 (Peroxide Fusion) Cert																							
OREAS 621 (Peroxide Fusion) Meas																							
OREAS 621 (Peroxide Fusion) Cert																							
CCU-1e Meas																							
CCU-1e Cert																							
CCU-1e Meas																							
CCU-1e Cert																							
CDN-PGMS-27 Meas	1940	1280	5190																				
CDN-PGMS-27 Cert	2000	1290.00	4800																				
OREAS 905 (INAA) Meas				384		39	2200		< 1	16		9	4.20	9						140	2.0		
OREAS 905 (INAA) Cert				391		36.2	2800		0.608	15.3		7.10	4.23	7.26						137	1.96		
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							

Analyte Symbol	Pd	Pt	Au	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	1	2	5	5	2	100	1	1	5	10	2	0.02	1	1	5	5	0.05	50	30	0.2	0.1	5
Method Code	FA-MS	FA-MS	FA-MS	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
OREAS 45f (Aqua Regia) Meas																							
OREAS 45f (Aqua Regia) Cert																							
OREAS 263 (Aqua Regia) Meas																							
OREAS 263 (Aqua Regia) Cert																							
OREAS 263 (Aqua Regia) Meas																							
OREAS 263 (Aqua Regia) Cert																							
Oreas 623 (Aqua Regia) Meas																							
Oreas 623 (Aqua Regia) Cert																							
Oreas 623 (Aqua Regia) Meas																							
Oreas 623 (Aqua Regia) Cert																							
OREAS 680 (Peroxide Fusion) Meas																							
OREAS 680 (Peroxide Fusion) Cert																							
OREAS 680 (Peroxide Fusion) Meas																							
OREAS 680 (Peroxide Fusion) Cert																							
OREAS 139 (Peroxide Fusion) Meas																							
OREAS 139 (Peroxide Fusion) Cert																							
OREAS 139 (Peroxide Fusion) Meas																							
OREAS 139 (Peroxide Fusion) Cert																							
OREAS 624 (Peroxide Fusion) Meas																							
OREAS 624 (Peroxide Fusion) Cert																							
OREAS 624 (Peroxide Fusion) Meas																							
OREAS 624 (Peroxide Fusion)																							

Analyte Symbol	Pd	Pt	Au	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	1	2	5	5	2	100	1	1	5	10	2	0.02	1	1	5	5	0.05	50	30	0.2	0.1	5
Method Code	FA-MS	FA-MS	FA-MS	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
Cert																							
OREAS 124 (Peroxide Fusion) Meas																							
OREAS 124 (Peroxide Fusion) Cert																							
AMIS 0346 (Peroxide Fusion) Meas																							
AMIS 0346 (Peroxide Fusion) Cert																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank				< 5	< 5	< 2	< 100	< 1	< 1	< 5	< 10	< 2	< 0.02	< 1	< 1	< 5	< 5	< 0.05	< 50	< 30	< 0.2	< 0.1	< 5
Method Blank	< 1	< 1	< 2																				
Method Blank	< 1	< 1	< 2																				

Analyte Symbol	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Li	Be	B	Na	Mg	Al	P
Unit Symbol	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	%	%	%	%
Lower Limit	0.05	0.1	1	0.5	0.5	4	50	1	3	5	0.1	0.2	0.5	0.2	0.05		0.1	0.1	1	0.001	0.01	0.01	0.001
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP
PTM-1a Meas																							
PTM-1a Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
DTS-2b Meas																							
DTS-2b Cert																							
GBW 07239 (NCS DC 70007) Meas																							
GBW 07239 (NCS DC 70007) Cert																							
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
OREAS 101a (Fusion) Meas																							
OREAS 101a (Fusion) Cert																							
SARM 3 Meas																							
SARM 3 Cert																							
NCS DC86315 Meas																							
NCS DC86315 Cert																							
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
PK2 Meas																							
PK2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
OREAS 45d (Aqua Regia) Meas																	17.5			0.030	0.16	5.14	
OREAS 45d (Aqua Regia) Cert																	11.9			0.031	0.144	4.860	
OREAS 45d (Aqua Regia) Meas																	17.1			0.030	0.16	5.07	
OREAS 45d (Aqua Regia) Cert																	11.9			0.031	0.144	4.860	
OREAS 922 (AQUA REGIA) Meas																	22.7	0.7		0.020	1.19	2.32	
OREAS 922 (AQUA REGIA) Cert																	22.8	0.65		0.021	1.33	2.72	
OREAS 922																	21.3	0.7		0.016	1.22	2.77	

Analyte Symbol	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Li	Be	B	Na	Mg	Al	P
Unit Symbol	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	%	%	%	%
Lower Limit	0.05	0.1	1	0.5	0.5	4	50	1	3	5	0.1	0.2	0.5	0.2	0.05		0.1	0.1	1	0.001	0.01	0.01	0.001
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP
(AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																	22.8	0.65		0.021	1.33	2.72	
OREAS 923 (AQUA REGIA) Meas																	25.4	0.6			1.38	2.58	
OREAS 923 (AQUA REGIA) Cert																	23.4	0.61			1.43	2.80	
OREAS 520 (Aqua Regia) Meas																	15.4	0.5		0.052	1.06	1.35	0.060
OREAS 520 (Aqua Regia) Cert																	16.6	0.540		0.0520	1.14	1.56	0.0740
OREAS 520 (Aqua Regia) Meas																	14.4	0.6		0.060	1.04	1.53	0.059
OREAS 520 (Aqua Regia) Cert																	16.6	0.540		0.0520	1.14	1.56	0.0740
OREAS 922 (Peroxide Fusion) Meas																							
OREAS 922 (Peroxide Fusion) Cert																							
OREAS 621 (Peroxide Fusion) Meas																							
OREAS 621 (Peroxide Fusion) Cert																							
OREAS 621 (Peroxide Fusion) Meas																							
OREAS 621 (Peroxide Fusion) Cert																							
CCU-1e Meas																							
CCU-1e Cert																							
CCU-1e Meas																							
CCU-1e Cert																							
CDN-PGMS-27 Meas																							
CDN-PGMS-27 Cert																							
OREAS 905 (INAA) Meas	< 0.05	< 0.1	< 1	14.9	4.4	< 4	130	48	104	42	7.5	1.2	< 0.5	0.5									
OREAS 905 (INAA) Cert	0.000749	0.0159	1.38	14.7	5.00	3.02	139	48.0	96.0	40.5	7.64	1.46	0.810	0.760									
Oreas 621 (Aqua Regia) Meas																	7.5	0.5		0.165	0.41	1.63	0.027
Oreas 621 (Aqua Regia) Cert																	8.17	0.530		0.160	0.436	1.60	0.0335
Oreas 621 (Aqua Regia) Meas																	6.7	0.5		0.150	0.27	1.33	0.028
Oreas 621 (Aqua Regia) Cert																	8.17	0.530		0.160	0.436	1.60	0.0335

Analyte Symbol	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Li	Be	B	Na	Mg	Al	P
Unit Symbol	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	%	%	%	%
Lower Limit	0.05	0.1	1	0.5	0.5	4	50	1	3	5	0.1	0.2	0.5	0.2	0.05		0.1	0.1	1	0.001	0.01	0.01	0.001
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP
Oreas 621 (Aqua Regia) Meas																	7.0	0.5		0.180	0.40	1.70	
Oreas 621 (Aqua Regia) Cert																	8.17	0.530		0.160	0.436	1.60	
OREAS 45f (Aqua Regia) Meas																		1.0		0.040	0.18	> 8.00	
OREAS 45f (Aqua Regia) Cert																		0.980		0.0320	0.152	4.81	
OREAS 263 (Aqua Regia) Meas																	21.3	1.2		0.073	0.59	1.84	0.035
OREAS 263 (Aqua Regia) Cert																	20.1	1.22		0.0790	0.593	1.29	0.0410
OREAS 263 (Aqua Regia) Meas																	19.6	1.2		0.080	0.57	1.84	0.036
OREAS 263 (Aqua Regia) Cert																	20.1	1.22		0.0790	0.593	1.29	0.0410
Oreas 623 (Aqua Regia) Meas																	8.8	0.4		0.060	0.94	1.34	
Oreas 623 (Aqua Regia) Cert																	10.0	0.370		0.0680	1.11	1.80	
Oreas 623 (Aqua Regia) Meas																	7.8	0.3		0.054	0.93	1.31	
Oreas 623 (Aqua Regia) Cert																	10.0	0.370		0.0680	1.11	1.80	
OREAS 680 (Peroxide Fusion) Meas																							
OREAS 680 (Peroxide Fusion) Cert																							
OREAS 680 (Peroxide Fusion) Meas																							
OREAS 680 (Peroxide Fusion) Cert																							
OREAS 139 (Peroxide Fusion) Meas																							
OREAS 139 (Peroxide Fusion) Cert																							
OREAS 139 (Peroxide Fusion) Meas																							
OREAS 139 (Peroxide Fusion) Cert																							
OREAS 624 (Peroxide Fusion) Meas																							
OREAS 624 (Peroxide Fusion) Cert																							
OREAS 624 (Peroxide Fusion) Meas																							
OREAS 624 (Peroxide Fusion)																							

Analyte Symbol	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Li	Be	B	Na	Mg	Al	P
Unit Symbol	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	%	%	%	%
Lower Limit	0.05	0.1	1	0.5	0.5	4	50	1	3	5	0.1	0.2	0.5	0.2	0.05		0.1	0.1	1	0.001	0.01	0.01	0.001
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP
Cert																							
OREAS 124 (Peroxide Fusion) Meas																							
OREAS 124 (Peroxide Fusion) Cert																							
AMIS 0346 (Peroxide Fusion) Meas																							
AMIS 0346 (Peroxide Fusion) Cert																							
Method Blank																	< 0.1	< 0.1	2	0.010	< 0.01	< 0.01	
Method Blank																	< 0.1	< 0.1	2	0.003	< 0.01	< 0.01	
Method Blank																	< 0.1	< 0.1	2	0.005	< 0.01	< 0.01	
Method Blank																	< 0.1	< 0.1	3	0.010	< 0.01	< 0.01	
Method Blank																	< 0.1	< 0.1	4	0.007	< 0.01	< 0.01	< 0.001
Method Blank																	< 0.1	< 0.1	4	0.010	< 0.01	< 0.01	< 0.001
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.05	< 0.1	< 1	< 0.5	< 0.5	< 4	< 50	< 1	< 3	< 5	< 0.1	< 0.2	< 0.5	< 0.2	< 0.05	30.0							
Method Blank																							
Method Blank																							

Analyte Symbol	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd
Unit Symbol	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1
Method Code	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
PTM-1a Meas																							
PTM-1a Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
DTS-2b Meas																							
DTS-2b Cert																							
GBW 07239 (NCS DC 70007) Meas																							
GBW 07239 (NCS DC 70007) Cert																							
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
OREAS 101a (Fusion) Meas																							
OREAS 101a (Fusion) Cert																							
SARM 3 Meas																							
SARM 3 Cert																							
NCS DC86315 Meas																							
NCS DC86315 Cert																							
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
PK2 Meas																							
PK2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
OREAS 45d (Aqua Regia) Meas		0.12	0.10	183	495		443	14.2	27.9	211	366	35.3	18.6		5.1		21.6	11.8	4.47		43.5		
OREAS 45d (Aqua Regia) Cert		0.097	0.089	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50		20.9	11.0	5.08		41.50		
OREAS 45d (Aqua Regia) Meas		0.11	0.09	175	487		410	13.9	26.9	198	344	32.7	17.9		5.7		20.8	12.1	4.14		41.6		
OREAS 45d (Aqua Regia) Cert		0.097	0.09	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50		20.9	11.0	5.08		41.50		
OREAS 922 (AQUA REGIA) Meas		0.42	0.35	27	42		728	4.92	16.9	32.5	2110	216	7.24	< 0.1	5.9	3.4	23.8	13.5	17.2	16.9	3.3	7.2	4.4
OREAS 922 (AQUA REGIA) Cert		0.376	0.324	29.4	40.7		730	5.05	19.4	34.3	2176	256	7.62	0.10	6.12	3.44	22.7	15.0	16.0	22.3	3.15	7.33	4.44
OREAS 922		0.36	0.30	33	45		748	5.20	15.7	29.2	1930	268	8.15	< 0.1	5.8	3.4	22.7	16.8	19.0	19.9	3.4	7.5	5.2

Analyte Symbol	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd
Unit Symbol	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1
Method Code	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
(AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert		0.376	0.324	29.4	40.7		730	5.05	19.4	34.3	2176	256	7.62	0.10	6.12	3.44	22.7	15.0	16.0	22.3	3.15	7.33	4.44
OREAS 923 (AQUA REGIA) Meas		0.28	0.34	35	46		907	6.83	20.5	32.3	3890	351	8.28		7.2	6.6	20.7	15.0	17.9	31.9	3.7	7.5	5.1
OREAS 923 (AQUA REGIA) Cert		0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07	5.99	19.6	13.6	14.3	22.5	3.09	6.79	4.07
OREAS 520 (Aqua Regia) Meas	0.938	0.45	3.69	231	35	0.15	2170	15.3	185	69.4	2740	20.3	13.2	0.1	141	1.4	26.7	31.9	12.5	33.1	10.8		
OREAS 520 (Aqua Regia) Cert	1.03	0.506	3.84	247	37.4	0.135	2280	15.74	196	73.0	2960	20.7	13.7	0.250	152	1.73	31.5	36.0	14.3	28.0	11.8		
OREAS 520 (Aqua Regia) Meas	0.926	0.51	3.94	251	38	0.15	2290	16.6	185	79.1	2910	25.0	14.1	0.1	174	1.6	33.7	36.9	14.5	38.6	12.1		
OREAS 520 (Aqua Regia) Cert	1.03	0.506	3.84	247	37.4	0.135	2280	15.74	196	73.0	2960	20.7	13.7	0.250	152	1.73	31.5	36.0	14.3	28.0	11.8		
OREAS 922 (Peroxide Fusion) Meas																							
OREAS 922 (Peroxide Fusion) Cert																							
OREAS 621 (Peroxide Fusion) Meas																							
OREAS 621 (Peroxide Fusion) Cert																							
OREAS 621 (Peroxide Fusion) Meas																							
OREAS 621 (Peroxide Fusion) Cert																							
CCU-1e Meas																							
CCU-1e Cert																							
CCU-1e Meas																							
CCU-1e Cert																							
CDN-PGMS-27 Meas																							
CDN-PGMS-27 Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
Oreas 621 (Aqua Regia) Meas	4.706	0.33	1.57	11	29		489	3.23	26.0	24.6	3440	> 5000	9.92		71.2	5.6		19.8	6.84	54.4	2.4		
Oreas 621 (Aqua Regia) Cert	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0	5.64		18.9	6.87	55.0	2.20		
Oreas 621 (Aqua Regia) Meas	4.508	0.30	1.45	10	29		497	3.20	25.4	23.5	3450	> 5000	9.38		70.0	5.4		18.6	6.51	63.8	1.9		
Oreas 621 (Aqua Regia) Cert	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0	5.64		18.9	6.87	55.0	2.20		

Analyte Symbol	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd
Unit Symbol	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1
Method Code	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Oreas 621 (Aqua Regia) Meas		0.36	1.54	12	32		498	3.31	28.3	28.0	3340	> 5000	9.82		81.7	4.4		20.0	7.40	64.7	2.4		
Oreas 621 (Aqua Regia) Cert		0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0	5.64		18.9	6.87	55.0	2.20		
OREAS 45f (Aqua Regia) Meas		0.13	0.08	206	344		193	14.9	44.9	255	379	32.2	24.2	0.1			21.2	17.1	6.90	27.3	31.6	2.7	1.6
OREAS 45f (Aqua Regia) Cert		0.0820	0.0750	217	341		150	13.7	39.2	192	336	22.2	20.3	0.120			14.4	13.2	6.74	30.0	31.4	2.63	1.70
OREAS 263 (Aqua Regia) Meas	0.120	0.38	0.97	26	53		473	3.62	27.9	69.6	84.0	125	5.60		28.3			17.8	11.7		3.9		4.5
OREAS 263 (Aqua Regia) Cert	0.126	0.288	1.03	22.8	48.0		490	3.68	31.0	72.0	87.0	127	4.92		30.8			16.9	12.0		3.52		3.89
OREAS 263 (Aqua Regia) Meas	0.121	0.41	1.00	28	54		471	3.72	30.4	76.8	96.9	132	5.26		34.1			18.3	12.6		3.6		4.0
OREAS 263 (Aqua Regia) Cert	0.126	0.288	1.03	22.8	48.0		490	3.68	31.0	72.0	87.0	127	4.92		30.8			16.9	12.0		3.52		3.89
Oreas 623 (Aqua Regia) Meas		0.15	0.94	13	14		498	11.5	199	12.2	> 10000	> 5000	11.7		70.7	18.0		13.5	7.00	54.3	4.1		
Oreas 623 (Aqua Regia) Cert		0.175	1.09	15.8	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0	18.6		14.2	7.43	50.0	4.63		
Oreas 623 (Aqua Regia) Meas		0.12	0.98	15	14		540	11.3	238	13.2	> 10000	> 5000	12.7		76.1	18.9		13.8	7.41	44.8	3.8		
Oreas 623 (Aqua Regia) Cert		0.175	1.09	15.8	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0	18.6		14.2	7.43	50.0	4.63		
OREAS 680 (Peroxide Fusion) Meas																							
OREAS 680 (Peroxide Fusion) Cert																							
OREAS 680 (Peroxide Fusion) Meas																							
OREAS 680 (Peroxide Fusion) Cert																							
OREAS 139 (Peroxide Fusion) Meas																							
OREAS 139 (Peroxide Fusion) Cert																							
OREAS 139 (Peroxide Fusion) Meas																							
OREAS 139 (Peroxide Fusion) Cert																							
OREAS 624 (Peroxide Fusion) Meas																							
OREAS 624 (Peroxide Fusion) Cert																							
OREAS 624 (Peroxide Fusion) Meas																							
OREAS 624 (Peroxide Fusion)																							

Analyte Symbol	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd
Unit Symbol	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1
Method Code	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Cert																							
OREAS 124 (Peroxide Fusion) Meas																							
OREAS 124 (Peroxide Fusion) Cert																							
AMIS 0346 (Peroxide Fusion) Meas																							
AMIS 0346 (Peroxide Fusion) Cert																							
Method Blank		< 0.01	< 0.01	2	1		< 1	< 0.01	< 0.1	< 0.1	0.5	0.8	0.16	< 0.1	0.2	0.3	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank		< 0.01	< 0.01	< 1	1		< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.4	0.16	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank		< 0.01	< 0.01	< 1	1		< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.1	0.15	< 0.1	0.6	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank		< 0.01	< 0.01	2	1		< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.6	0.17	< 0.1	0.8	0.5	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.001	< 0.01	< 0.01	< 1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	< 0.1	0.06	< 0.1	1.2	0.4	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.001	< 0.01	< 0.01	< 1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	0.4	< 0.1	0.07	< 0.1	1.0	0.2	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
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Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
PTM-1a Meas																							
PTM-1a Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
DTS-2b Meas																							
DTS-2b Cert																							
GBW 07239 (NCS DC 70007) Meas																							
GBW 07239 (NCS DC 70007) Cert																							
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
OREAS 101a (Fusion) Meas																							
OREAS 101a (Fusion) Cert																							
SARM 3 Meas																							
SARM 3 Cert																							
NCS DC86315 Meas																							
NCS DC86315 Cert																							
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
PK2 Meas																							
PK2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
OREAS 45d (Aqua Regia) Meas									0.08	1.93				87.6	11.8	25.5							
OREAS 45d (Aqua Regia) Cert									0.085	1.950				80	9.960	24.8							
OREAS 45d (Aqua Regia) Meas									0.07	1.77				81.2	11.2	24.5							
OREAS 45d (Aqua Regia) Cert									0.085	1.950				80	9.960	24.8							
OREAS 922 (AQUA REGIA) Meas					0.4	0.66	0.850	0.25	0.22	3.82	0.66		1.78	79.6	34.0	65.7	30.0	4.9		0.7			0.3
OREAS 922 (AQUA REGIA) Cert					0.35	0.69	0.851	0.28	0.24	3.83	0.57		1.76	70	32.5	63	27.5	4.98		0.62			0.61
OREAS 922					0.8	0.66	0.842	0.22	0.23	3.96	0.64		1.85	68.3	31.2	67.5	28.7	6.8		0.6			0.6

Analyte Symbol	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
(AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert					0.35	0.69	0.851	0.28	0.24	3.83	0.57		1.76	70	32.5	63	27.5	4.98		0.62			0.61
OREAS 923 (AQUA REGIA) Meas						0.84	1.74	0.39	0.42	6.75	0.67		1.65	57.6	31.9	67.3	28.4	5.8		0.6			0.9
OREAS 923 (AQUA REGIA) Cert						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0	60	25.4	4.34		0.54			0.60
OREAS 520 (Aqua Regia) Meas						60.8			0.09	3.09	0.93	0.21	0.47		68.1	74.3				0.5	1.3	0.2	1.0
OREAS 520 (Aqua Regia) Cert						62.0			0.110	3.42	1.97	0.33	0.570		83.0	79.0				0.500	1.36	0.200	0.810
OREAS 520 (Aqua Regia) Meas						66.7			0.11	3.61	1.66	0.39	0.52		73.5	73.7				0.5	1.3	0.2	1.0
OREAS 520 (Aqua Regia) Cert						62.0			0.110	3.42	1.97	0.33	0.570		83.0	79.0				0.500	1.36	0.200	0.810
OREAS 922 (Peroxide Fusion) Meas																							
OREAS 922 (Peroxide Fusion) Cert																							
OREAS 621 (Peroxide Fusion) Meas																							
OREAS 621 (Peroxide Fusion) Cert																							
OREAS 621 (Peroxide Fusion) Meas																							
OREAS 621 (Peroxide Fusion) Cert																							
CCU-1e Meas																							
CCU-1e Cert																							
CCU-1e Meas																							
CCU-1e Cert																							
CDN-PGMS-27 Meas																							
CDN-PGMS-27 Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
Oreas 621 (Aqua Regia) Meas						12.4	64.6	278	1.79	2.65	67.7		0.89		18.3	39.9				0.3	0.6	< 0.1	1.7
Oreas 621 (Aqua Regia) Cert						13.3	68.0	278	1.73	2.68	107		1.01		19.4	39.6				0.330	0.520	0.0780	1.43
Oreas 621 (Aqua Regia) Meas						13.0	65.8	265	1.64	2.57	114		0.94		19.0	37.6				0.3	0.6	< 0.1	1.5
Oreas 621 (Aqua Regia) Cert						13.3	68.0	278	1.73	2.68	107		1.01		19.4	39.6				0.330	0.520	0.0780	1.43

Analyte Symbol	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Oreas 621 (Aqua Regia) Meas						13.4	63.9	277	1.71	2.57	103		0.93		20.2	41.2				0.3	0.6	< 0.1	1.7
Oreas 621 (Aqua Regia) Cert						13.3	68.0	278	1.73	2.68	107		1.01		19.4	39.6				0.330	0.520	0.0780	1.43
OREAS 45f (Aqua Regia) Meas	1.4	0.3	0.8	0.1		1.07			0.09	2.16			2.49	170	12.6	24.1	11.4	2.2	0.4	0.3	0.7	0.1	0.7
OREAS 45f (Aqua Regia) Cert	1.49	0.280	0.780	0.110		1.19			0.0870	1.97			1.88	158	10.7	0.0223	10.1	1.91	0.490	0.250	0.690	0.0970	0.930
OREAS 263 (Aqua Regia) Meas	2.6	0.5	1.2			0.45	0.293	0.29	0.03		2.25	0.18		168				4.7	0.9	0.5	1.1		
OREAS 263 (Aqua Regia) Cert	2.64	0.430	1.29			0.570	0.285	0.270	0.0290		7.37	0.210		175				4.41	0.850	0.500	0.990		
OREAS 263 (Aqua Regia) Meas	2.7	0.4	1.2			0.55	0.300	0.29	0.03		5.88	0.15		203				5.4	0.8	0.5	0.9		
OREAS 263 (Aqua Regia) Cert	2.64	0.430	1.29			0.570	0.285	0.270	0.0290		7.37	0.210		175				4.41	0.850	0.500	0.990		
Oreas 623 (Aqua Regia) Meas						8.39	19.7	47.9	1.72	3.55	20.7	0.57	0.65		17.1	32.8				0.3	0.7	0.1	1.3
Oreas 623 (Aqua Regia) Cert						8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9	36.4				0.340	0.800	0.120	1.32
Oreas 623 (Aqua Regia) Meas						8.30	18.7	49.4	1.89	3.69	19.0	0.58	0.60		15.5	34.5				0.3	0.7	0.1	1.3
Oreas 623 (Aqua Regia) Cert						8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9	36.4				0.340	0.800	0.120	1.32
OREAS 680 (Peroxide Fusion) Meas																							
OREAS 680 (Peroxide Fusion) Cert																							
OREAS 680 (Peroxide Fusion) Meas																							
OREAS 680 (Peroxide Fusion) Cert																							
OREAS 139 (Peroxide Fusion) Meas																							
OREAS 139 (Peroxide Fusion) Cert																							
OREAS 139 (Peroxide Fusion) Meas																							
OREAS 139 (Peroxide Fusion) Cert																							
OREAS 624 (Peroxide Fusion) Meas																							
OREAS 624 (Peroxide Fusion) Cert																							
OREAS 624 (Peroxide Fusion) Meas																							
OREAS 624 (Peroxide Fusion)																							

Analyte Symbol	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Cert																							
OREAS 124 (Peroxide Fusion) Meas																							
OREAS 124 (Peroxide Fusion) Cert																							
AMIS 0346 (Peroxide Fusion) Meas																							
AMIS 0346 (Peroxide Fusion) Cert																							
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.03	< 0.002	0.01	< 0.02	< 0.05	0.02	< 0.02	< 0.02	1.9	< 0.5	0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.02	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	1.5	< 0.5	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	1.5	< 0.5	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.02	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	2.0	< 0.5	0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.01	< 0.002	0.02	< 0.02	< 0.05	0.02	< 0.02	< 0.02	2.5	< 0.5	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.03	0.020	0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	3.1	< 0.5	0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
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Method Blank																							
Method Blank																							

Analyte Symbol	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit Symbol	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
PTM-1a Meas												2000								> 5000			> 10000
PTM-1a Cert												2200								20500.00			249600.00
NIST 696 Meas											> 25.0										330		
NIST 696 Cert											28.9										321.0		
DTS-2b Meas											0.22			12			0.12			134	> 10000		< 2
DTS-2b Cert											0.240			16.0			0.0900			120	15500		3.00
GBW 07239 (NCS DC 70007) Meas												7				< 2			60.2	14.6			44
GBW 07239 (NCS DC 70007) Cert												1				1			60.3	13.5			49
Oreas 74a (Fusion) Meas												50								554	1800		1170
Oreas 74a (Fusion) Cert												50								581	1800.00		1240.000
Oreas 74a (Fusion) Meas												53								591	1810		1240
Oreas 74a (Fusion) Cert												50								581	1800.00		1240.000
OREAS 101a (Fusion) Meas																			1410	47.9			411
OREAS 101a (Fusion) Cert																			1396	48.8			434
SARM 3 Meas														437					277				7
SARM 3 Cert														450					240.000				13
NCS DC86315 Meas																							
NCS DC86315 Cert																							
NCS DC86303 Meas																						404	
NCS DC86303 Cert																						350	
NCS DC86314 Meas																						2810	
NCS DC86314 Cert																						2830	
PK2 Meas																							
PK2 Cert																							
CZN-4 Meas											0.07	371						2640		100			4100
CZN-4 Cert											0.0715	356.0000						2604.0000		93.5			4030.000
OREAS 45d (Aqua Regia) Meas				20.4		16.6	0.27	11.2	1.5														
OREAS 45d (Aqua Regia) Cert				21		17.00	0.30	11.3	1.64														
OREAS 45d (Aqua Regia) Meas				14.6		16.2	0.28	10.9	1.5														
OREAS 45d (Aqua Regia) Cert				21		17.00	0.30	11.3	1.64														
OREAS 922 (AQUA REGIA) Meas		1.5			0.19	55.8	10.8	15.1	2.1														

Analyte Symbol	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit Symbol	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 922 (AQUA REGIA) Cert		1.12			0.14	60	10.3	14.5	1.98														
OREAS 922 (AQUA REGIA) Meas		1.3			0.17	61.3	9.19	15.1	2.3														
OREAS 922 (AQUA REGIA) Cert		1.12			0.14	60	10.3	14.5	1.98														
OREAS 923 (AQUA REGIA) Meas		2.2			0.15	84.6	26.1	15.4	2.3														
OREAS 923 (AQUA REGIA) Cert		1.96			0.12	81	21.8	14.3	1.80														
OREAS 520 (Aqua Regia) Meas		24.8		169	0.08	4.9	2.85	7.2	13.8														
OREAS 520 (Aqua Regia) Cert		29.6		169	0.0900	5.22	2.90	8.03	14.9														
OREAS 520 (Aqua Regia) Meas		28.7		179	0.09	5.7	2.97	7.2	14.3														
OREAS 520 (Aqua Regia) Cert		29.6		169	0.0900	5.22	2.90	8.03	14.9														
OREAS 922 (Peroxide Fusion) Meas											7.45			497		13	0.51		89.6	20.4	140	7.4	2140
OREAS 922 (Peroxide Fusion) Cert											7.59			481		11	0.49		88.0	20.9	90	7.5	2220
OREAS 621 (Peroxide Fusion) Meas											6.69	86		2860	< 3	4	1.81	302	50.8	30.5	110	3.5	3740
OREAS 621 (Peroxide Fusion) Cert											6.63	85		2610	2	4	2.00	295	52.0	31.4	49	3.6	3680
OREAS 621 (Peroxide Fusion) Meas												83		2690	< 3	4		275	50.6	30.5	100	4.0	3550
OREAS 621 (Peroxide Fusion) Cert												85		2610	2	4		295	52.0	31.4	50	3.6	3680
CCU-1e Meas											0.14	1160						78		316			> 10000
CCU-1e Cert											0.139	1010						74.2		301			229000
CCU-1e Meas												1090						76		316			> 10000
CCU-1e Cert												1010						74.2		301			229000
CDN-PGMS-27 Meas																							
CDN-PGMS-27 Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
Oreas 621 (Aqua Regia) Meas		0.6		1230	0.72	> 5000	3.87	5.5	1.7	3200													
Oreas 621 (Aqua		1.00		1230	0.770	13600	3.85	5.91	1.63	3930													

Analyte Symbol	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit Symbol	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Regia) Cert																							
Oreas 621 (Aqua Regia) Meas		0.9		1210	0.78	> 5000	4.04	5.6	1.6	3440													
Oreas 621 (Aqua Regia) Cert		1.00		1230	0.770	13600	3.85	5.91	1.63	3930													
Oreas 621 (Aqua Regia) Meas		0.8		1310	0.81	> 5000	3.95	5.5	1.7	3100													
Oreas 621 (Aqua Regia) Cert		1.00		1230	0.770	13600	3.85	5.91	1.63	3930													
OREAS 45f (Aqua Regia) Meas					0.15	14.6	0.17	7.8	1.1	140													
OREAS 45f (Aqua Regia) Cert					0.120	12.4	0.170	7.67	1.09	31.0													
OREAS 263 (Aqua Regia) Meas					0.52	33.9	0.56	11.3	1.4	190													
OREAS 263 (Aqua Regia) Cert					0.530	34.0	0.570	10.6	1.28	170													
OREAS 263 (Aqua Regia) Meas					0.59	37.8	0.56	11.4	1.4	210													
OREAS 263 (Aqua Regia) Cert					0.530	34.0	0.570	10.6	1.28	170													
Oreas 623 (Aqua Regia) Meas		2.2		798	0.26	2290	17.1	4.4	1.3	630													
Oreas 623 (Aqua Regia) Cert		2.62		797	0.260	2520	16.9	4.72	1.43	830													
Oreas 623 (Aqua Regia) Meas		2.1		794	0.24	2310	17.5	4.4	1.3	680													
Oreas 623 (Aqua Regia) Cert		2.62		797	0.260	2520	16.9	4.72	1.43	830													
OREAS 680 (Peroxide Fusion) Meas											7.20	124		719		< 2	5.63	9	42.8	343	2250	4.1	9330
OREAS 680 (Peroxide Fusion) Cert											7.19	120		649		1.66	5.80	8.18	38.7	334	2140	3.94	9040
OREAS 680 (Peroxide Fusion) Meas												108		698		< 2		8	40.0	329	2080	3.8	8770
OREAS 680 (Peroxide Fusion) Cert												120		649		1.66		8.18	38.7	334	2140	3.94	9040
OREAS 139 (Peroxide Fusion) Meas											3.69	331			< 3	7	1.23	283	49.8	27.5		3.3	265
OREAS 139 (Peroxide Fusion) Cert											3.70	332			3.17	6.64	1.20	296	49.4	26.0		3.21	274
OREAS 139 (Peroxide Fusion) Meas												318			3	7		276	50.5	27.7		4.3	277
OREAS 139 (Peroxide Fusion) Cert												332			3.17	6.64		296	49.4	26.0		3.21	274
OREAS 624 (Peroxide Fusion) Meas											4.22	119		1050		21	1.55	130	31.6	266		1.3	> 10000

Analyte Symbol	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit Symbol	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 624 (Peroxide Fusion) Cert											4.32	115		1070		21.3	1.49	133	32.9	273		1.32	30800
OREAS 624 (Peroxide Fusion) Meas												116		1090		22		131	33.1	277		1.3	> 10000
OREAS 624 (Peroxide Fusion) Cert												115		1070		21.3		133	32.9	273		1.32	30800
OREAS 124 (Peroxide Fusion) Meas														1030	< 3				47.4		100		
OREAS 124 (Peroxide Fusion) Cert														1020	1.83				47.6		51.0		
AMIS 0346 (Peroxide Fusion) Meas																							
AMIS 0346 (Peroxide Fusion) Cert																							
Method Blank	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	30													
Method Blank	< 0.05	< 0.1	< 0.001	1.0	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	20													
Method Blank	< 0.05	< 0.1	< 0.001	0.9	< 0.02	0.1	< 0.02	< 0.1	< 0.1	< 10													
Method Blank	< 0.05	< 0.1	< 0.001	0.6	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	20													
Method Blank	< 0.05	< 0.1	< 0.001	1.1	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	70													
Method Blank	< 0.05	< 0.1	< 0.001	6.0	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	30													
Method Blank											< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	0.3	50	0.6	8
Method Blank												< 5	< 10	< 3	< 3	< 2		< 2	< 0.8	0.3	50	0.3	10
Method Blank											< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	0.7	60	0.1	7
Method Blank												5	< 10	< 3	< 3	< 2		< 2	< 0.8	0.4	50	0.3	11
Method Blank											< 0.01	< 5	< 10	4	< 3	< 2	< 0.01	< 2	< 0.8	0.4	50	0.3	6
Method Blank											< 0.01						< 0.01						
Method Blank											< 0.01						0.01						
Method Blank											< 0.01						0.02						
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
PTM-1a Meas																			> 10000				23.1
PTM-1a Cert																			474400.00				22.4
NIST 696 Meas																							
NIST 696 Cert																							
DTS-2b Meas							< 0.7							> 30.0	793				3760	2.5		1.6	
DTS-2b Cert							0.700							29.8	830				3780	4.00		2.00	
GBW 07239 (NCS DC 70007) Meas					23.2		11.8					39.7			> 10000	1120		28.3	30	19.7	7.6		
GBW 07239 (NCS DC 70007) Cert					23.1		12.4					37.4			11500	1100		29.8	20.9	26.1	7.40		
Oreas 74a (Fusion) Meas				13.7															> 10000				7.53
Oreas 74a (Fusion) Cert				13.7															32400.00				7.25
Oreas 74a (Fusion) Meas																			> 10000				
Oreas 74a (Fusion) Cert																			32400.00				
OREAS 101a (Fusion) Meas	30.5	19.6	9.0	11.2		42.3		6.2			2.2	855		1.19	926	18		386			128		
OREAS 101a (Fusion) Cert	33.3	19.5	8.06	11.06		43.4		6.46			2.34	816		1.23	964	21.9		403			134		
SARM 3 Meas			1.2									232			5570		913.8	45.7		42.5		191	
SARM 3 Cert			1.2									250.000			5960.000		978	48		43		190	
NCS DC86315 Meas																	3531.5						
NCS DC86315 Cert																	3640.000						
NCS DC86303 Meas													2140									1440	
NCS DC86303 Cert													2100									1330	
NCS DC86314 Meas													> 10000									> 5000	
NCS DC86314 Cert													18100.00									11400	
PK2 Meas																							
PK2 Cert																							
CZN-4 Meas																				1880			> 25.0
CZN-4 Cert																				1861.000			33.07
OREAS 45d (Aqua Regia) Meas																							
OREAS 45d (Aqua Regia) Cert																							
OREAS 45d (Aqua Regia) Meas																							
OREAS 45d (Aqua Regia) Cert																							
OREAS 922 (AQUA REGIA) Meas																							

Analyte Symbol	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
OREAS 922 (AQUA REGIA) Cert																							
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert																							
OREAS 520 (Aqua Regia) Meas																							
OREAS 520 (Aqua Regia) Cert																							
OREAS 520 (Aqua Regia) Meas																							
OREAS 520 (Aqua Regia) Cert																							
OREAS 922 (Peroxide Fusion) Meas	5.2	2.8	1.1	5.75	18.7	6.8		1.1	< 10	0.2	2.7	45.5	37	1.60	839		15.1	37.4	50	64.8	10.5	172	0.38
OREAS 922 (Peroxide Fusion) Cert	5.75	3.38	1.52	5.71	21.2	6.94		1.20	5.93	0.3	2.60	45.6	29	1.61	880		15.2	38.9	40	64.0	10.6	167	0.389
OREAS 621 (Peroxide Fusion) Meas				3.82	24.6					2.0	2.3	28.7		0.50	622	15	10.9	23.5		> 5000	6.9	90.3	4.44
OREAS 621 (Peroxide Fusion) Cert				3.71	26.5					1.9	2.23	26.1		0.516	554	14	10.4	24.2		13300	6.64	89.0	4.51
OREAS 621 (Peroxide Fusion) Meas					26.8					1.9		29.3			568	13	11.4	21.4		> 5000	5.9	81.8	
OREAS 621 (Peroxide Fusion) Cert					26.5					1.9		26.1			554	14	10.4	24.2		13300	6.64	89.0	
CCU-1e Meas				> 30.0										0.72	99					> 5000			> 25.0
CCU-1e Cert				30.7										0.706	96.0					7030			35.3
CCU-1e Meas															96					> 5000			
CCU-1e Cert															96.0					7030			
CDN-PGMS-27 Meas																							
CDN-PGMS-27 Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua																							

Analyte Symbol	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
OREAS 45f (Aqua Regia) Meas																							
OREAS 45f (Aqua Regia) Cert																							
OREAS 263 (Aqua Regia) Meas																							
OREAS 263 (Aqua Regia) Cert																							
OREAS 263 (Aqua Regia) Meas																							
OREAS 263 (Aqua Regia) Cert																							
Oreas 623 (Aqua Regia) Meas																							
Oreas 623 (Aqua Regia) Cert																							
Oreas 623 (Aqua Regia) Meas																							
Oreas 623 (Aqua Regia) Cert																							
OREAS 680 (Peroxide Fusion) Meas	2.8	1.8	1.6	12.0	15.8	4.2		0.7			1.3	19.6	19	3.66	1320		5.7	20.9	> 10000	2620	5.6	79.7	5.02
OREAS 680 (Peroxide Fusion) Cert	3.07	1.74	1.30	11.9	16.5	3.77		0.580			1.29	18.6	14.5	3.71	1240		5.09	20.8	21500	2580	4.99	76.0	5.14
OREAS 680 (Peroxide Fusion) Meas	2.7	1.7	1.1		16.9	3.2		0.5				18.2	14		1200		6.5	19.3	> 10000	2500	4.3	66.7	
OREAS 680 (Peroxide Fusion) Cert	3.07	1.74	1.30		16.5	3.77		0.580				18.6	14.5		1240		5.09	20.8	21500	2580	4.99	76.0	
OREAS 139 (Peroxide Fusion) Meas		1.2		11.7	10.9					0.7	3.1	24.7	46	0.48	6570	12				> 5000		141	15.4
OREAS 139 (Peroxide Fusion) Cert		1.69		11.9	10.2					0.690	3.30	23.1	40.4	0.501	6570	11.1				22000		145	16.04
OREAS 139 (Peroxide Fusion) Meas		1.8			9.7					0.8		27.4	44		6560	12				> 5000		137	
OREAS 139 (Peroxide Fusion) Cert		1.69			10.2					0.690		23.1	40.4		6570	11.1				22000		145	
OREAS 624 (Peroxide Fusion) Meas				16.5	18.0					3.9	0.9	16.7	22	1.24	609	17	5.3	16.0		> 5000	4.1	37.3	12.5

Analyte Symbol	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
OREAS 624 (Peroxide Fusion) Cert				16.3	22.1					4.14	0.991	17.3	10.3	1.31	660	17.8	5.78	16.8		6120	4.27	33.0	13.2
OREAS 624 (Peroxide Fusion) Meas					23.0					3.9		17.3	15		662	17	5.9	16.2		> 5000	3.6	31.4	
OREAS 624 (Peroxide Fusion) Cert					22.1					4.14		17.3	10.3		660	17.8	5.78	16.8		6120	4.27	33.0	
OREAS 124 (Peroxide Fusion) Meas	2.7	2.0	1.5		12.0	3.3		0.4	< 10			21.1			670			21.4			4.8	84.3	
OREAS 124 (Peroxide Fusion) Cert	2.82	1.60	1.15		10.5	3.47		0.580	6.22			21.6			700			20.8			5.39	86.0	
AMIS 0346 (Peroxide Fusion) Meas				> 30.0																			
AMIS 0346 (Peroxide Fusion) Cert				44.3																			
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2	< 0.1	< 0.4	9	< 0.01	< 3	< 1	< 2.4	< 0.4	10	< 0.8	< 0.1	1.4	< 0.01
Method Blank	< 0.3	< 0.1	< 0.1		< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2		< 0.4	7		4	< 1	< 2.4	< 0.4	20	< 0.8	< 0.1	2.3	
Method Blank	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2	< 0.1	< 0.4	7	< 0.01	5	2	< 2.4	< 0.4	10	2.3	< 0.1	2.3	< 0.01
Method Blank	< 0.3	< 0.1	< 0.1		< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2		< 0.4	4		6	< 1	< 2.4	< 0.4	20	1.0	< 0.1	1.0	
Method Blank	< 0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.1	< 0.7	< 0.2	< 10	< 0.2	< 0.1	< 0.4	4	< 0.01	6	< 1	< 2.4	< 0.4	20	< 0.8	< 0.1	1.8	< 0.01
Method Blank				< 0.05							< 0.1			< 0.01									< 0.01
Method Blank				< 0.05							< 0.1			< 0.01									< 0.01
Method Blank				< 0.05							< 0.1			< 0.01									< 0.01
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
PTM-1a Meas																			
PTM-1a Cert																			
NIST 696 Meas															353				
NIST 696 Cert															403.0000				
DTS-2b Meas	< 2		19.0												30				50
DTS-2b Cert	0.600		18.4												22.0				45.0
GBW 07239 (NCS DC 70007) Meas					28.8											959	37.0		110
GBW 07239 (NCS DC 70007) Cert					33.2											1000.00	34.2		120
Oreas 74a (Fusion) Meas			15.5																
Oreas 74a (Fusion) Cert			15.14																
Oreas 74a (Fusion) Meas																			
Oreas 74a (Fusion) Cert																			
OREAS 101a (Fusion) Meas				46.6				5.8		35.4	0.39		2.9	417	82		171	16.9	
OREAS 101a (Fusion) Cert				48.8				5.92		36.6	0.395		2.90	422	83		183	17.5	
SARM 3 Meas						4070				62.0				17.1	83		17.8		400
SARM 3 Cert						4565				66				14	81		22		395
NCS DC86315 Meas							7340									29.5			
NCS DC86315 Cert							8350.000									21.4			
NCS DC86303 Meas																9.9			
NCS DC86303 Cert																8.9			
NCS DC86314 Meas					150											70.0			
NCS DC86314 Cert					152											79.0			
PK2 Meas																			
PK2 Cert																			
CZN-4 Meas		39	0.29																> 10000
CZN-4 Cert		86.7	0.295																550700.00
OREAS 45d (Aqua Regia) Meas																			
OREAS 45d (Aqua Regia) Cert																			
OREAS 45d (Aqua Regia) Meas																			
OREAS 45d (Aqua Regia) Cert																			
OREAS 922 (AQUA REGIA) Meas																			
OREAS 922																			

Analyte Symbol	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(AQUA REGIA) Cert																			
OREAS 922 (AQUA REGIA) Meas																			
OREAS 922 (AQUA REGIA) Cert																			
OREAS 923 (AQUA REGIA) Meas																			
OREAS 923 (AQUA REGIA) Cert																			
OREAS 520 (Aqua Regia) Meas																			
OREAS 520 (Aqua Regia) Cert																			
OREAS 520 (Aqua Regia) Meas																			
OREAS 520 (Aqua Regia) Cert																			
OREAS 922 (Peroxide Fusion) Meas			29.9	6.4	11.8	73	2.1	1.1		18.2	0.41	0.6	0.4	3.3	93		28.6	2.5	270
OREAS 922 (Peroxide Fusion) Cert			30.51	7.31	10.0	58.0	1.3	1.02		17.7	0.439	0.9	0.510	3.6	92.0		31.1	3.17	280
OREAS 621 (Peroxide Fusion) Meas	150		28.8			111				9.0	0.18	2.5		3.1	32	2.4	12.5	1.0	> 10000
OREAS 621 (Peroxide Fusion) Cert	146		28.1			101				8.6	0.181	2.0		3.0	36.3	2.6	13.9	1.03	52200
OREAS 621 (Peroxide Fusion) Meas	138					105				7.6		1.9		2.8	46	2.6	12.2	0.8	> 10000
OREAS 621 (Peroxide Fusion) Cert	146					101				8.6		2.0		3.0	36.3	2.6	13.9	1.03	52200
CCU-1e Meas	115								75			2.7							> 10000
CCU-1e Cert	104								61.8			2.69							30200
CCU-1e Meas	115								75			3.0							> 10000
CCU-1e Cert	104								61.8			2.69							30200
CDN-PGMS-27 Meas																			
CDN-PGMS-27 Cert																			
OREAS 905 (INAA) Meas																			
OREAS 905 (INAA) Cert																			
Oreas 621 (Aqua Regia) Meas																			
Oreas 621 (Aqua Regia) Cert																			

Analyte Symbol	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Oreas 621 (Aqua Regia) Meas																			
Oreas 621 (Aqua Regia) Cert																			
Oreas 621 (Aqua Regia) Meas																			
Oreas 621 (Aqua Regia) Cert																			
OREAS 45f (Aqua Regia) Meas																			
OREAS 45f (Aqua Regia) Cert																			
OREAS 263 (Aqua Regia) Meas																			
OREAS 263 (Aqua Regia) Cert																			
OREAS 263 (Aqua Regia) Meas																			
OREAS 263 (Aqua Regia) Cert																			
Oreas 623 (Aqua Regia) Meas																			
Oreas 623 (Aqua Regia) Cert																			
Oreas 623 (Aqua Regia) Meas																			
Oreas 623 (Aqua Regia) Cert																			
OREAS 680 (Peroxide Fusion) Meas	21		20.8	4.3		395		0.6		6.7	0.52			1.7	228		16.9	1.9	2550
OREAS 680 (Peroxide Fusion) Cert	19.7		20.6	4.26		420		0.550		6.73	0.523			1.55	224		16.2	1.52	2320
OREAS 680 (Peroxide Fusion) Meas	18			3.5		365		0.5		6.7				1.6	209		14.7	1.6	2210
OREAS 680 (Peroxide Fusion) Cert	19.7			4.26		420		0.550		6.73				1.55	224		16.2	1.52	2320
OREAS 139 (Peroxide Fusion) Meas	60		15.9			451		0.5		8.3	0.15	34.1		11.7			18.2		> 10000
OREAS 139 (Peroxide Fusion) Cert	63.0		16.34			479		0.500		7.54	0.157	35.4		12.2			17.1		133600.00
OREAS 139 (Peroxide Fusion) Meas	62					440		0.6		7.7		36.5		11.4			15.9		> 10000
OREAS 139 (Peroxide Fusion) Cert	63.0					479		0.500		7.54		35.4		12.2			17.1		133600.00
OREAS 624 (Peroxide Fusion) Meas	71		19.9			47				4.0	0.15	1.0		1.5	24	4.3	17.0	2.3	> 10000
OREAS 624 (Peroxide Fusion)	72.0		20.5			47.6				4.12	0.146	0.940		1.34	43.3	4.58	17.3	1.94	24100

Analyte Symbol	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Cert																			
OREAS 624 (Peroxide Fusion) Meas	70					43				4.1		1.1		1.5	36	4.7	16.1	1.5	> 10000
OREAS 624 (Peroxide Fusion) Cert	72.0					47.6				4.12		0.940		1.34	43.3	4.58	17.3	1.94	24100
OREAS 124 (Peroxide Fusion) Meas				4.3				0.5		5.6			0.2	1740	37		14.0	1.4	
OREAS 124 (Peroxide Fusion) Cert				4.21				0.480		5.74			0.220	1790	23.3		14.2	1.63	
AMIS 0346 (Peroxide Fusion) Meas											15.4				2570				
AMIS 0346 (Peroxide Fusion) Cert											15.0				2700				
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank	< 2	9	< 0.01	< 0.1	0.6	14	0.4	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	0.2	< 5	< 0.7	< 0.1	0.1	< 30
Method Blank	< 2	< 8		< 0.1	< 0.5	14	0.3	< 0.1	9	< 0.1		< 0.1	< 0.1	0.1	10	< 0.7	< 0.1	0.1	< 30
Method Blank	< 2	23	< 0.01	< 0.1	2.3	13	0.4	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	0.2	< 0.1	< 30
Method Blank	< 2	< 8		< 0.1	1.1	14	0.4	< 0.1	11	< 0.1		< 0.1	< 0.1	< 0.1	10	1.0	< 0.1	0.2	< 30
Method Blank	< 2	< 8	< 0.01	< 0.1	0.8	11	0.8	< 0.1	7	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	9	2.1	< 0.1	0.2	30
Method Blank			< 0.01								< 0.01								
Method Blank			< 0.01								< 0.01								
Method Blank			< 0.01								< 0.01								
Method Blank																			
Method Blank																			
Method Blank																			

Final Report

Report Number: A20-11636 **Activation Laboratories**

Report Date: 23/11/2020

Analyte Symbol	Pd	Pt	Au	Au	Ag
Unit Symbol	ppb	ppb	ppb	ppb	ppm
Detection Limit	1	1	2	5	5
Analysis Method	FA-MS	FA-MS	FA-MS	INAA	INAA
WPT76				19	< 5
WPT76A					
WPT82	< 1	< 1	3		

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Analyte Symbol	As	Ba	Br	Ca	Co
Unit Symbol	ppm	ppm	ppm	%	ppm
Detection Limit	2	100	1	1	5
Analysis Method	INAA	INAA	INAA	INAA	INAA
WPT76	< 2	< 100	3	1	7
WPT76A					
WPT82					

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Analyte Symbol	Cr	Cs	Fe	Hf	Hg
Unit Symbol	ppm	ppm	%	ppm	ppm
Detection Limit	10	2	0.02	1	1
Analysis Method	INAA	INAA	INAA	INAA	INAA
WPT76	90	< 2	2.51	1	< 1
WPT76A					
WPT82					

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Analyte Symbol	Ir	Mo	Na	Ni	Rb
Unit Symbol	ppb	ppm	%	ppm	ppm
Detection Limit	5	5	0.05	50	30
Analysis Method	INAA	INAA	INAA	INAA	INAA
WPT76	< 5	10	0.42	< 50	< 30
WPT76A					
WPT82					

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Analyte Symbol	Sb	Sc	Se	Sn	Sr
Unit Symbol	ppm	ppm	ppm	%	%
Detection Limit	0.2	0.1	5	0.05	0.1
Analysis Method	INAA	INAA	INAA	INAA	INAA
WPT76	< 0.2	4.3	< 5	< 0.05	< 0.1
WPT76A					
WPT82					

Analyte Symbol	Ta	Th	U	W	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	0.5	0.5	4	50
Analysis Method	INAA	INAA	INAA	INAA	INAA
WPT76	< 1	0.5	< 0.5	< 4	< 50
WPT76A					
WPT82					

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Analyte Symbol	La	Ce	Nd	Sm	Eu
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	3	5	0.1	0.2
Analysis Method	INAA	INAA	INAA	INAA	INAA
WPT76	3	12	5	1.1	0.2
WPT76A					
WPT82					

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Analyte Symbol	Tb	Yb	Lu	Mass	Li
Unit Symbol	ppm	ppm	ppm	g	ppm
Detection Limit	0.5	0.2	0.05		0.1
Analysis Method	INAA	INAA	INAA	INAA	AR-MS
WPT76	< 0.5	0.5	< 0.05	31.1	
WPT76A					4.9
WPT82					

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Analyte Symbol	Be	B	Na	Mg	Al
Unit Symbol	ppm	ppm	%	%	%
Detection Limit	0.1	1	0.001	0.01	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT76					
WPT76A	0.1	16	0.116	0.86	1
WPT82					

Analyte Symbol	P	S	K	Ca	V
Unit Symbol	%	%	%	%	ppm
Detection Limit	0.001	0.001	0.01	0.01	1
Analysis Method	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS
WPT76					
WPT76A	0.049	0.047	0.09	1.32	53
WPT82					

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Analyte Symbol	Cr	Ti	Mn	Fe	Co
Unit Symbol	ppm	%	ppm	%	ppm
Detection Limit	1	0.01	1	0.01	0.1
Analysis Method	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS
WPT76					
WPT76A	72	0.38	461	3.32	5.5
WPT82					

Final Report

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Analyte Symbol	Ni	Cu	Zn	Ga	Ge
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.2	0.1	0.02	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT76					
WPT76A	25.9	19.5	34	5.68	< 0.1
WPT82					

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Analyte Symbol	As	Se	Rb	Sr	Y
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.5	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT76					
WPT76A	1.7	0.6	2.8	33.6	5.65
WPT82					

Analyte Symbol	Zr	Sc	Pr	Gd	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT76					
WPT76A	2.5	5.3	0.7	0.9	1
WPT82					

Analyte Symbol	Ho	Er	Tm	Nb	Mo
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT76					
WPT76A	0.2	0.6	< 0.1	1.1	7.3
WPT82					

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Analyte Symbol	Ag	Cd	In	Sn	Sb
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.002	0.01	0.02	0.05	0.02
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT76					
WPT76A	0.136	0.07	< 0.02	0.66	0.07
WPT82					

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Report Date: 23/11/2020

Analyte Symbol	Te	Cs	Ba	La	Ce
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.02	0.02	0.5	0.5	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT76					
WPT76A	0.04	0.21	19.7	2.7	6.15
WPT82					

Analyte Symbol	Nd	Sm	Eu	Tb	Yb
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.02	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT76					
WPT76A	3.48	0.7	0.3	0.1	0.6
WPT82					

Analyte Symbol	Lu	Hf	Ta	W	Re
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.05	0.1	0.001
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT76					
WPT76A	< 0.1	< 0.1	< 0.05	22.6	< 0.001
WPT82					

Final Report

Report Number: A20-11636 **Activation Laboratories**

Report Date: 23/11/2020

Analyte Symbol	Au	Tl	Pb	Bi	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.5	0.02	0.1	0.02	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT76					
WPT76A	3.5	0.02	2	1.25	0.3
WPT82					

Analyte Symbol	U	Hg	Al	As	B
Unit Symbol	ppm	ppb	%	ppm	ppm
Detection Limit	0.1	10	0.01	5	10
Analysis Method	AR-MS	AR-MS	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
WPT76					
WPT76A	0.2	120			
WPT82			7.63	7	< 10

Report Number: A20-11636
Report Date: 23/11/2020

Analyte Symbol	Ba	Be	Bi	Ca	Cd
Unit Symbol	ppm	ppm	ppm	%	ppm
Detection Limit	3	3	2	0.01	2
Analysis Method	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2
WPT76					
WPT76A					
WPT82	542	< 3	7	3.76	< 2

Report Number: A20-11636
Report Date: 23/11/2020

Analyte Symbol	Ce	Co	Cr	Cs	Cu
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.8	0.2	30	0.1	2
Analysis Method	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
WPT76					
WPT76A					
WPT82	26.9	16.8	150	8.9	211

Report Number: A20-11636
Report Date: 23/11/2020

Analyte Symbol	Dy	Er	Eu	Fe	Ga
Unit Symbol	ppm	ppm	ppm	%	ppm
Detection Limit	0.3	0.1	0.1	0.05	0.2
Analysis Method	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2
WPT76					
WPT76A					
WPT82	3.7	2.3	1.4	8.96	22.8

Analyte Symbol	Gd	Ge	Ho	Hf	In
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.7	0.2	10	0.2
Analysis Method	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
WPT76					
WPT76A					
WPT82	3.3	2.1	0.9	< 10	< 0.2

Report Number: A20-11636
Report Date: 23/11/2020

Analyte Symbol	K	La	Li	Mg	Mn
Unit Symbol	%	ppm	ppm	%	ppm
Detection Limit	0.1	0.4	3	0.01	3
Analysis Method	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2
WPT76					
WPT76A					
WPT82	1.3	10.8	35	2.44	846

Report Number: A20-11636
Report Date: 23/11/2020

Analyte Symbol	Mo	Nb	Nd	Ni	Pb
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	2.4	0.4	10	0.8
Analysis Method	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
WPT76					
WPT76A					
WPT82	3	8.8	19.3	90	8.6

Report Number: A20-11636
Report Date: 23/11/2020

Analyte Symbol	Pr	Rb	S	Sb	Se
Unit Symbol	ppm	ppm	%	ppm	ppm
Detection Limit	0.1	0.4	0.01	2	8
Analysis Method	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
WPT76					
WPT76A					
WPT82	3.3	56.6	1.65	< 2	< 8

Report Number: A20-11636
Report Date: 23/11/2020

Analyte Symbol	Si	Sm	Sn	Sr	Ta
Unit Symbol	%	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.1	0.5	3	0.2
Analysis Method	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
WPT76					
WPT76A					
WPT82	24.6	4.6	1.3	459	0.7

Analyte Symbol	Tb	Te	Th	Ti	Tl
Unit Symbol	ppm	ppm	ppm	%	ppm
Detection Limit	0.1	6	0.1	0.01	0.1
Analysis Method	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2
WPT76					
WPT76A					
WPT82	0.9	< 6	1.3	1.09	0.3

Report Number: A20-11636
Report Date: 23/11/2020

Analyte Symbol	Tm	U	V	W	Y
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	5	0.7	0.1
Analysis Method	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
WPT76					
WPT76A					
WPT82	0.4	0.5	204	86.1	20.4

Report Number: A20-11636
Report Date: 23/11/2020

Analyte Symbol	Yb	Zn
Unit Symbol	ppm	ppm
Detection Limit	0.1	30
Analysis Method	FUS-MS-Na2O2	FUS-MS-Na2O2
WPT76		
WPT76A		
WPT82	1.8	100

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-13901**
Report Date: **08-Jan-21**
Date Submitted: **02-Nov-20**
Your Reference:

Rock On Exploration
4 Cavanaugh Crescent
Terrace Bay ON
Canada

ATTN: Paul Gerlach

CERTIFICATE OF ANALYSIS

3 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-Exp	QOP PGE ICP-MS (Fire Assay-ICPMS)	2021-01-07 22:03:04

REPORT **A20-13901**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: **A20-13901**
Report Date: **08-Jan-21**
Date Submitted: **02-Nov-20**
Your Reference:

Rock On Exploration
4 Cavanaugh Crescent
Terrace Bay ON
Canada

ATTN: Paul Gerlach

CERTIFICATE OF ANALYSIS

3 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2020-11-21 11:57:35

REPORT **A20-13901**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Pd	Pt	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT84	1	< 1	4	< 0.2	< 0.5	154	544	2	72	4	58	2.17	< 2	< 10	46	< 0.5	< 2	1.06	54	20	7.78	10	2
WPT85	< 1	< 1	6	0.2	< 0.5	33	684	< 1	100	< 2	96	3.27	2	< 10	15	< 0.5	8	1.42	48	79	9.11	10	< 1
WPT87	< 1	< 1	4	< 0.2	< 0.5	56	494	3	45	< 2	46	2.25	< 2	11	29	< 0.5	< 2	2.23	26	32	4.94	< 10	2

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT84	0.11	< 10	1.67	0.166	0.054	1.09	3	17	15	0.51	< 20	6	< 2	< 10	144	< 10	10	6
WPT85	0.04	< 10	2.41	0.041	0.165	1.95	2	16	15	0.19	< 20	6	< 2	< 10	139	< 10	8	3
WPT87	0.15	10	1.55	0.278	0.171	0.50	< 2	12	28	0.19	< 20	2	< 2	< 10	131	< 10	11	3

Analyte Symbol	Pd	Pt	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas				0.3	< 0.5	71	1020	1	23	95	120	7.63	219	< 10	877	0.9	< 2	0.14	13	79	5.75	20	2
GXR-6 Cert				1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680
GXR-6 Meas				0.3	< 0.5	70	1010	< 1	23	93	121	7.70	219	< 10	880	0.8	3	0.14	13	79	5.73	20	2
GXR-6 Cert				1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680
OREAS 98 (Aqua Regia) Meas				38.7		> 10000				259	1150						52		101				
OREAS 98 (Aqua Regia) Cert				42.8		147000				343	1300						93		111				
PK2 Meas	6210	4890	4960																				
PK2 Cert	5918	4749	4785																				
OREAS 922 (AQUA REGIA) Meas				0.8	< 0.5	2270	753	< 1	34	59	255	3.16	5		82	0.8	7	0.39	20	47	5.26	< 10	
OREAS 922 (AQUA REGIA) Cert				0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62	
OREAS 922 (AQUA REGIA) Meas				0.9	< 0.5	2240	754	< 1	34	58	256	3.20	7		84	0.8	6	0.40	20	46	5.26	< 10	
OREAS 922 (AQUA REGIA) Cert				0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62	
OREAS 923 (AQUA REGIA) Meas				1.5	< 0.5	4420	853	< 1	32	80	334	3.18	6		64	0.7	23	0.39	22	42	6.08	< 10	
OREAS 923 (AQUA REGIA) Cert				1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01	
OREAS 923 (AQUA REGIA) Meas				1.5	< 0.5	4350	842	< 1	31	79	327	3.15	6		64	0.7	23	0.39	22	42	5.95	< 10	
OREAS 923 (AQUA REGIA) Cert				1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01	
Oreas 96 (Aqua Regia) Meas				11.0		> 10000				87	411						74		47				
Oreas 96 (Aqua Regia) Cert				11.50		39100.00				100	448						27.9		49.2				
Oreas 621 (Aqua Regia) Meas				71.0	301	3590	530	13	25	> 5000	> 10000	1.94	81			0.6	8	1.61	30	33	3.41	10	4
Oreas 621 (Aqua Regia) Cert				68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93
Oreas 621 (Aqua Regia) Meas				69.1	304	3600	527	12	24	> 5000	> 10000	1.94	82			0.6	9	1.61	32	31	3.38	10	5
Oreas 621 (Aqua Regia) Cert				68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93
CDN-PGMS-30 Meas	1720	234	1860																				
CDN-PGMS-30 Cert	1660.000	223.000	1897.000																				
OREAS 45f (Aqua Regia) Meas						360	168	< 1	231	10	26	8.04			148	1.0	4	0.06	40	350	14.6	20	< 1
OREAS 45f (Aqua Regia) Cert						336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank	< 1	< 1	< 2																				

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	1.15	< 10	0.40	0.145	0.033	0.01	2	19	33		< 20	< 1	< 2	< 10	170	< 10	5	6
GXR-6 Cert	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	1.14	< 10	0.40	0.146	0.034	0.01	2	19	32		< 20	< 1	< 2	< 10	169	< 10	5	7
GXR-6 Cert	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas							18											
OREAS 98 (Aqua Regia) Cert							15											
PK2 Meas																		
PK2 Cert																		
OREAS 922 (AQUA REGIA) Meas	0.48	39	1.38	0.032	0.063	0.38	< 2	4	17		< 20		< 2	< 10	37	< 10	21	14
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.49	40	1.37	0.033	0.063	0.37	2	4	17		< 20		< 2	< 10	37	< 10	21	14
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	0.41	36	1.46		0.061	0.67	3	4	15		< 20		< 2	< 10	36	< 10	19	25
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	0.41	36	1.44		0.060	0.66	3	4	15		< 20		< 2	< 10	36	< 10	19	24
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas						3.97	5											
Oreas 96 (Aqua Regia) Cert						4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.39	20	0.44	0.185	0.034	4.71	102	3	19		< 20		< 2	< 10	13	< 10	8	60
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.38	20	0.44	0.185	0.033	4.58	101	3	18		< 20		< 2	< 10	13	< 10	8	56
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
CDN-PGMS-30 Meas																		
CDN-PGMS-30 Cert																		
OREAS 45f (Aqua Regia) Meas	0.11	11	0.18	0.050	0.021	0.02		26	14	0.12	< 20		< 2	< 10	208		5	14
OREAS 45f (Aqua Regia) Cert	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
Method Blank	< 0.01	< 10	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 10	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																		

Final Report

Report Number: A20-13901

Activation Laboratories

Report Date: 8/1/2021

Analyte Symbol	Pd	Pt	Au	Ag	Cd
Unit Symbol	ppb	ppb	ppb	ppm	ppm
Detection Limit	1	1	2	0.2	0.5
Analysis Method	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP
WPT84	1	< 1	4	< 0.2	< 0.5
WPT85	< 1	< 1	6	0.2	< 0.5
WPT87	< 1	< 1	4	< 0.2	< 0.5

Final Report

Report Number: A20-13901

Activation Laboratories

Report Date: 8/1/2021

Analyte Symbol	Cu	Mn	Mo	Ni	Pb
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	5	1	1	2
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT84	154	544	2	72	4
WPT85	33	684	< 1	100	< 2
WPT87	56	494	3	45	< 2

Final Report

Report Number: A20-13901

Activation Laboratories

Report Date: 8/1/2021

Analyte Symbol	Zn	Al	As	B	Ba
Unit Symbol	ppm	%	ppm	ppm	ppm
Detection Limit	2	0.01	2	10	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT84	58	2.17	< 2	< 10	46
WPT85	96	3.27	2	< 10	15
WPT87	46	2.25	< 2	11	29

Final Report

Report Number: A20-13901

Activation Laboratories

Report Date: 8/1/2021

Analyte Symbol	Be	Bi	Ca	Co	Cr
Unit Symbol	ppm	ppm	%	ppm	ppm
Detection Limit	0.5	2	0.01	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT84	< 0.5	< 2	1.06	54	20
WPT85	< 0.5	8	1.42	48	79
WPT87	< 0.5	< 2	2.23	26	32

Final Report

Report Number: A20-13901

Activation Laboratories

Report Date: 8/1/2021

Analyte Symbol	Fe	Ga	Hg	K	La
Unit Symbol	%	ppm	ppm	%	ppm
Detection Limit	0.01	10	1	0.01	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT84	7.78	10	2	0.11	< 10
WPT85	9.11	10	< 1	0.04	< 10
WPT87	4.94	< 10	2	0.15	10

Final Report

Report Number: A20-13901 **Activation Laboratories**

Report Date: 8/1/2021

Analyte Symbol	Mg	Na	P	S	Sb
Unit Symbol	%	%	%	%	ppm
Detection Limit	0.01	0.001	0.001	0.01	2
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT84	1.67	0.166	0.054	1.09	3
WPT85	2.41	0.041	0.165	1.95	2
WPT87	1.55	0.278	0.171	0.5	< 2

Final Report

Report Number: A20-13901 **Activation Laboratories**

Report Date: 8/1/2021

Analyte Symbol	Sc	Sr	Ti	Th	Te
Unit Symbol	ppm	ppm	%	ppm	ppm
Detection Limit	1	1	0.01	20	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT84	17	15	0.51	< 20	6
WPT85	16	15	0.19	< 20	6
WPT87	12	28	0.19	< 20	2

Analyte Symbol	Tl	U	V	W	Y
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	10	1	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT84	< 2	< 10	144	< 10	10
WPT85	< 2	< 10	139	< 10	8
WPT87	< 2	< 10	131	< 10	11

Final Report
Activation Laboratories

Report Number: A20-13901
Report Date: 8/1/2021

Analyte Symbol	Zr
Unit Symbol	ppm
Detection Limit	1
Analysis Method	AR-ICP
WPT84	6
WPT85	3
WPT87	3

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-16280**
Report Date: **14-Jan-21**
Date Submitted: **17-Dec-20**
Your Reference:

Rock On Exploration
4 Cavanaugh Crescent
Terrace Bay ON
Canada

ATTN: Paul Gerlach

CERTIFICATE OF ANALYSIS

4 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2021-01-08 09:50:45

REPORT **A20-16280**

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Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

Values which exceed the upper limit should be assayed for accurate numbers.

We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: **A20-16280**
Report Date: **14-Jan-21**
Date Submitted: **17-Dec-20**
Your Reference:

Rock On Exploration
4 Cavanaugh Crescent
Terrace Bay ON
Canada

ATTN: Paul Gerlach

CERTIFICATE OF ANALYSIS

4 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-Exp	QOP PGE ICP-MS (Fire Assay-ICPMS)	2021-01-12 22:45:58
UT-2-0.5g	QOP AquaGeo/QOP Ultratrace-1 (Aqua Regia ICPOES/ICPMS)	2021-01-08 19:39:02

REPORT **A20-16280**

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Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

Values which exceed the upper limit should be assayed for accurate numbers.

We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Pd	Pt	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT69	< 1	< 1	< 2	< 0.2	< 0.5	8	145	< 1	23	< 2	18	0.49	< 2	< 10	20	< 0.5	< 2	0.18	22	47	1.84	< 10	< 1
WPT83A	< 1	< 1	3	0.2	< 0.5	101	347	4	33	< 2	52	1.64	< 2	< 10	72	< 0.5	< 2	1.11	23	36	4.73	< 10	< 1
WPY89	< 1	< 1	< 2																				
FOGQZ	< 1	< 1	7																				

Analyte Symbol	K	La	Mg	Na	S	Sb	Sc	Sr	Th	Te	Tl	U	V	W	Y	Zr	Li	Be	B	Na	Mg	Al	P
Unit Symbol	%	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
Lower Limit	0.01	10	0.01	0.001	0.01	2	1	1	20	1	2	10	1	10	1	1	0.1	0.1	1	0.001	0.01	0.01	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP
WPT69	0.04	< 10	0.37	0.033	0.14	< 2	2	9	< 20	2	< 2	< 10	26	< 10	2	2							0.019
WPT83A	0.37	< 10	1.17	0.156	0.68	3	9	20	< 20	< 1	< 2	< 10	100	< 10	10	4							0.100
WPY89																	2.7	0.2	3	0.021	0.28	0.21	0.003
FOGQZ																	2.1	0.2	2	0.043	0.11	0.21	0.014

Analyte Symbol	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd
Unit Symbol	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1
Method Code	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT69						0.10																	
WPT83A						0.21																	
WPY89	0.001	0.01	0.12	11	48	0.02	149	0.85	2.0	6.5	6.8	12.8	1.70	0.1	0.7	0.5	0.7	10.0	0.51	0.9	3.2	0.2	0.1
FOGQZ	0.154	0.06	0.04	6	38	0.03	70	1.28	3.9	3.2	8.2	12.8	0.99	< 0.1	0.9	0.8	4.0	7.1	1.38	15.9	0.7	0.9	0.4

Analyte Symbol	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT69																							
WPT83A																							
WPY89	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.90	0.006	< 0.01	< 0.02	0.22	0.03	< 0.02	0.09	4.3	1.1	3.17	0.78	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
FOGQZ	0.3	< 0.1	0.1	< 0.1	0.3	1.42	0.067	< 0.01	< 0.02	0.14	0.03	0.03	0.36	36.7	3.3	9.57	3.39	0.3	0.1	< 0.1	0.1	< 0.1	0.5

Analyte Symbol	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT69										
WPT83A										
WPY89	< 0.05	0.1	< 0.001	5.6	< 0.02	0.3	0.03	< 0.1	< 0.1	50
FOGQZ	< 0.05	0.2	< 0.001	6.9	0.03	4.9	0.24	1.5	0.3	40

Analyte Symbol	Pd	Pt	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas				0.3	< 0.5	67	1050	< 1	22	96	122	6.66	194	< 10	847	0.9	< 2	0.15	13	79	5.32	20	< 1
GXR-6 Cert				1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680
GXR-6 Meas				0.3	< 0.5	67	1070	1	23	98	121	6.73	216	< 10	865	0.9	< 2	0.15	13	79	5.35	20	< 1
GXR-6 Cert				1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680
GXR-6 Meas				0.3	< 0.5	68	1060	< 1	23	99	125	6.72	204	< 10	859	0.9	< 2	0.15	13	79	5.36	20	< 1
GXR-6 Cert				1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680
PK2 Meas	6020	4900	4870																				
PK2 Cert	5918	4749	4785																				
PK2 Meas	5910	4940	4840																				
PK2 Cert	5918	4749	4785																				
OREAS 922 (AQUA REGIA) Meas				0.8	< 0.5	2260	774	< 1	35	59	252	2.80	6		79	0.7	3	0.39	19	47	5.09	< 10	
OREAS 922 (AQUA REGIA) Cert				0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62	
OREAS 922 (AQUA REGIA) Meas				0.7	< 0.5	2280	785	< 1	37	62	258	2.85	3		82	0.7	8	0.39	19	48	5.17	< 10	
OREAS 922 (AQUA REGIA) Cert				0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62	
OREAS 922 (AQUA REGIA) Meas				0.8	< 0.5	2350	778	< 1	34	64	257	2.79	8		77	0.7	16	0.38	19	46	5.07	< 10	
OREAS 922 (AQUA REGIA) Cert				0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62	
OREAS 923 (AQUA REGIA) Meas				1.6	< 0.5	4350	874	< 1	32	83	321	2.79	6		63	0.6	13	0.38	21	42	5.76	< 10	
OREAS 923 (AQUA REGIA) Cert				1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01	
OREAS 923 (AQUA REGIA) Meas				1.5	< 0.5	4410	884	< 1	33	85	330	2.84	5		64	0.7	14	0.39	21	43	5.83	< 10	
OREAS 923 (AQUA REGIA) Cert				1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01	
OREAS 923 (AQUA REGIA) Meas				1.6	< 0.5	4540	917	< 1	34	87	340	2.96	6		59	0.7	15	0.40	23	44	6.01	< 10	
OREAS 923 (AQUA REGIA) Cert				1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01	
Oreas 96 (Aqua Regia) Meas				10.3		> 10000				90	396						35		44				
Oreas 96 (Aqua Regia) Cert				11.50		39100.00				100	448						27.9		49.2				
Oreas 96 (Aqua Regia) Meas				10.5		> 10000				92	412						35		46				
Oreas 96 (Aqua Regia) Cert				11.50		39100.00				100	448						27.9		49.2				
OREAS 520 (Aqua Regia) Meas																							
OREAS 520 (Aqua Regia) Cert																							

Analyte Symbol	Pd	Pt	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 907 (Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas				65.3	275	3570	517	11	23	> 5000	> 10000	1.68	72			0.5	3	1.50	28	29	3.25	< 10	4
Oreas 621 (Aqua Regia) Cert				68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93
Oreas 621 (Aqua Regia) Meas				66.8	280	3610	523	11	21	> 5000	> 10000	1.71	72			0.6	2	1.52	28	29	3.30	< 10	4
Oreas 621 (Aqua Regia) Cert				68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93
Oreas 621 (Aqua Regia) Meas				69.1	291	3790	543	12	23	> 5000	> 10000	1.74	76			0.6	2	1.58	29	28	3.41	< 10	4
Oreas 621 (Aqua Regia) Cert				68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93
OREAS 45f (Aqua Regia) Meas						337	170	< 1	228	12	30	7.09			146	1.0	< 2	0.07	40	354	13.0	20	2
OREAS 45f (Aqua Regia) Cert						336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310
OREAS 45f (Aqua Regia) Meas						334	167	< 1	229	12	26	7.04			145	1.0	< 2	0.07	39	347	13.0	20	2
OREAS 45f (Aqua Regia) Cert						336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310
OREAS 45f (Aqua Regia) Meas						345	170	< 1	225	11	26	7.17			150	1.1	< 2	0.07	40	356	13.2	20	2
OREAS 45f (Aqua Regia) Cert						336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310
OREAS 263 (Aqua Regia) Meas																							
OREAS 263 (Aqua Regia) Cert																							
WPT69 Orig	< 1	< 1	< 2																				
WPT69 Dup	< 1	< 1	2																				
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank																							
Method Blank																							

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Li	Be	B	Na	Mg
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.1	0.1	1	0.001	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas	1.12	10	0.37	0.078	0.032	0.01	4	24	33		< 20	< 1	< 2	< 10	149	< 10	6	6					
GXR-6 Cert	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110					
GXR-6 Meas	1.13	11	0.38	0.077	0.034	0.01	4	24	35		< 20	< 1	< 2	< 10	155	< 10	6	10					
GXR-6 Cert	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110					
GXR-6 Meas	1.12	11	0.37	0.078	0.033	0.01	4	24	35		< 20	< 1	< 2	< 10	154	< 10	6	8					
GXR-6 Cert	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110					
PK2 Meas																							
PK2 Cert																							
PK2 Meas																							
PK2 Cert																							
OREAS 922 (AQUA REGIA) Meas	0.48	35	1.27	0.025	0.061	0.36	4	4	16		< 20		< 2	< 10	32	< 10	19	13					
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3					
OREAS 922 (AQUA REGIA) Meas	0.49	36	1.30	0.025	0.063	0.38	4	4	16		< 20		< 2	< 10	33	< 10	20	15					
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3					
OREAS 922 (AQUA REGIA) Meas	0.47	36	1.27	0.025	0.063	0.38	< 2	4	16		< 20		< 2	< 10	33	< 10	20	20					
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3					
OREAS 923 (AQUA REGIA) Meas	0.41	33	1.35		0.059	0.66	4	4	14		< 20		< 2	< 10	32	< 10	18	24	23.8	0.6			1.47
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	23.4	0.61			1.43
OREAS 923 (AQUA REGIA) Meas	0.41	34	1.37		0.060	0.68	5	4	14		< 20		< 2	< 10	32	< 10	19	26					
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5					
OREAS 923 (AQUA REGIA) Meas	0.42	34	1.44		0.063	0.71	2	4	15		< 20		< 2	< 10	34	< 10	19	30					
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5					
Oreas 96 (Aqua Regia) Meas						3.77	7																
Oreas 96 (Aqua Regia) Cert						4.38	4.53																
Oreas 96 (Aqua Regia) Meas						4.05	6																
Oreas 96 (Aqua Regia) Cert						4.38	4.53																
OREAS 520 (Aqua Regia) Meas																			15.0	0.6		0.055	1.09
OREAS 520 (Aqua Regia) Cert																			16.6	0.540		0.0520	1.14

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Li	Be	B	Na	Mg
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.1	0.1	1	0.001	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 907 (Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas	0.38	18	0.40	0.175	0.032	4.46	107	2	18		< 20		< 2	< 10	12	< 10	7	69	6.7	0.6		0.175	0.35
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	8.17	0.530		0.160	0.436
Oreas 621 (Aqua Regia) Meas	0.38	19	0.41	0.178	0.034	4.49	108	2	18		< 20		< 2	< 10	12	< 10	7	71					
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0					
Oreas 621 (Aqua Regia) Meas	0.38	19	0.42	0.180	0.034	4.70	105	2	18		< 20		< 2	< 10	12	< 10	7	61					
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0					
OREAS 45f (Aqua Regia) Meas	0.11	11	0.17	0.040	0.020	0.02		31	16	0.10	< 20		< 2	< 10	185		6	12					
OREAS 45f (Aqua Regia) Cert	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0					
OREAS 45f (Aqua Regia) Meas	0.11	11	0.17	0.039	0.020	0.02		31	15	0.10	< 20		< 2	< 10	185		6	13					
OREAS 45f (Aqua Regia) Cert	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0					
OREAS 45f (Aqua Regia) Meas	0.11	12	0.17	0.040	0.021	0.02		32	16	0.10	< 20		< 2	< 10	192		6	14					
OREAS 45f (Aqua Regia) Cert	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0					
OREAS 263 (Aqua Regia) Meas																			19.0	1.1		0.078	0.62
OREAS 263 (Aqua Regia) Cert																			20.1	1.22		0.0790	0.593
WPT69 Orig																							
WPT69 Dup																							
Method Blank	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1					
Method Blank	< 0.01	< 10	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1					
Method Blank	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1					
Method Blank	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1					
Method Blank	< 0.01	< 10	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1					
Method Blank																			< 0.1	0.3	2	0.007	< 0.01
Method Blank																							

Analyte Symbol	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr	Sc
Unit Symbol	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.1
Method Code	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
PK2 Meas																							
PK2 Cert																							
PK2 Meas																							
PK2 Cert																							
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas	2.90	0.061	0.660	0.38	0.41	30	42		890	6.19	21.8	33.6	4290	334	7.50		7.3	5.6	23.5	13.9	18.4	11.6	3.6
OREAS 923 (AQUA REGIA) Cert	2.80	0.061	0.684	0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07	5.99	19.6	13.6	14.3	22.5	3.09
OREAS 923 (AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert																							
Oreas 96 (Aqua Regia) Meas																							
Oreas 96 (Aqua Regia) Cert																							
Oreas 96 (Aqua Regia) Meas																							
Oreas 96 (Aqua Regia) Cert																							
OREAS 520 (Aqua Regia) Meas	1.38	0.071	0.944	0.46	3.55	238	38	0.14	2290	16.2	190	70.8	2970	23.0	13.4	0.2	154	1.5	31.5	34.4	14.5	32.8	10.2
OREAS 520 (Aqua Regia) Cert	1.56	0.0740	1.03	0.506	3.84	247	37.4	0.135	2280	15.74	196	73.0	2960	20.7	13.7	0.250	152	1.73	31.5	36.0	14.3	28.0	11.8

Analyte Symbol	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr	Sc
Unit Symbol	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.1
Method Code	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 907 (Aqua Regia) Meas		0.025	0.062					0.02															
OREAS 907 (Aqua Regia) Cert		0.0240	0.0660					0.0170															
Oreas 621 (Aqua Regia) Meas	1.66	0.034	4.641	0.35	1.64	11	27		526	3.52	30.1	24.0	3810	> 5000	9.75		78.9	4.9		20.2	7.91	54.6	2.3
Oreas 621 (Aqua Regia) Cert	1.60	0.0335	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0	5.64		18.9	6.87	55.0	2.20
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
OREAS 45f (Aqua Regia) Meas																							
OREAS 45f (Aqua Regia) Cert																							
OREAS 45f (Aqua Regia) Meas																							
OREAS 45f (Aqua Regia) Cert																							
OREAS 45f (Aqua Regia) Meas																							
OREAS 45f (Aqua Regia) Cert																							
OREAS 263 (Aqua Regia) Meas	1.66	0.042	0.117	0.38	0.97	24	53		485	3.48	28.8	72.9	95.5	119	3.54		29.0			17.0	11.9		3.4
OREAS 263 (Aqua Regia) Cert	1.29	0.0410	0.126	0.288	1.03	22.8	48.0		490	3.68	31.0	72.0	87.0	127	4.92		30.8			16.9	12.0		3.52
WPT69 Orig																							
WPT69 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	< 1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.9	0.06	< 0.1	0.4	0.6	< 0.1	< 0.5	< 0.01	< 0.1	0.2
Method Blank		< 0.001	< 0.001					< 0.01															

Analyte Symbol	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Nd	Sm	Eu	Tb	Yb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.02	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
PK2 Meas																							
PK2 Cert																							
PK2 Meas																							
PK2 Cert																							
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas	7.3	4.4						0.98	1.93	0.43	0.42	6.10	0.46		1.65	62.4	32.0	64.4	27.5	4.8		0.6	
OREAS 923 (AQUA REGIA) Cert	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0	60	25.4	4.34		0.54	
OREAS 923 (AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert																							
Oreas 96 (Aqua Regia) Meas																							
Oreas 96 (Aqua Regia) Cert																							
Oreas 96 (Aqua Regia) Meas																							
Oreas 96 (Aqua Regia) Cert																							
OREAS 520 (Aqua Regia) Meas								64.2			0.12	3.51	2.07	0.34	0.58		70.5	74.3				0.5	1.3
OREAS 520 (Aqua Regia) Cert								62.0			0.110	3.42	1.97	0.33	0.570		83.0	79.0				0.500	1.36

Analyte Symbol	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Nd	Sm	Eu	Tb	Yb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.02	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 907 (Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas								14.1	63.9	289	1.76	2.54	88.9		1.02		19.9	40.2				0.3	0.6
Oreas 621 (Aqua Regia) Cert								13.3	68.0	278	1.73	2.68	107		1.01		19.4	39.6				0.330	0.520
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
OREAS 45f (Aqua Regia) Meas																							
OREAS 45f (Aqua Regia) Cert																							
OREAS 45f (Aqua Regia) Meas																							
OREAS 45f (Aqua Regia) Cert																							
OREAS 45f (Aqua Regia) Meas																							
OREAS 45f (Aqua Regia) Cert																							
OREAS 263 (Aqua Regia) Meas		4.0	2.8	0.5	1.2			0.52	0.286	0.22	0.03		5.20	0.17		157				4.7	0.9	0.5	0.9
OREAS 263 (Aqua Regia) Cert		3.89	2.64	0.430	1.29			0.570	0.285	0.270	0.0290		7.37	0.210		175				4.41	0.850	0.500	0.990
WPT69 Orig																							
WPT69 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.04	< 0.002	< 0.01	< 0.02	< 0.05	0.04	< 0.02	< 0.02	2.3	< 0.5	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							

Analyte Symbol	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas												
GXR-6 Cert												
GXR-6 Meas												
GXR-6 Cert												
GXR-6 Meas												
GXR-6 Cert												
PK2 Meas												
PK2 Cert												
PK2 Meas												
PK2 Cert												
OREAS 922 (AQUA REGIA) Meas												
OREAS 922 (AQUA REGIA) Cert												
OREAS 922 (AQUA REGIA) Meas												
OREAS 922 (AQUA REGIA) Cert												
OREAS 922 (AQUA REGIA) Meas												
OREAS 922 (AQUA REGIA) Cert												
OREAS 923 (AQUA REGIA) Meas		0.3		1.7			0.16	85.4	21.8	14.2	2.2	
OREAS 923 (AQUA REGIA) Cert		0.60		1.96			0.12	81	21.8	14.3	1.80	
OREAS 923 (AQUA REGIA) Meas												
OREAS 923 (AQUA REGIA) Cert												
OREAS 923 (AQUA REGIA) Meas												
OREAS 923 (AQUA REGIA) Cert												
Oreas 96 (Aqua Regia) Meas												
Oreas 96 (Aqua Regia) Cert												
Oreas 96 (Aqua Regia) Meas												
Oreas 96 (Aqua Regia) Cert												
OREAS 520 (Aqua Regia) Meas	0.2	0.9		29.7		207	0.09	5.8	3.11	7.2	13.9	
OREAS 520 (Aqua Regia) Cert	0.200	0.810		29.6		169	0.0900	5.22	2.90	8.03	14.9	

Analyte Symbol	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 907 (Aqua Regia) Meas												
OREAS 907 (Aqua Regia) Cert												
Oreas 621 (Aqua Regia) Meas	< 0.1	1.4		0.9		1340	0.79	> 5000	4.26	5.6	1.7	3580
Oreas 621 (Aqua Regia) Cert	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930
Oreas 621 (Aqua Regia) Meas												
Oreas 621 (Aqua Regia) Cert												
Oreas 621 (Aqua Regia) Meas												
Oreas 621 (Aqua Regia) Cert												
OREAS 45f (Aqua Regia) Meas												
OREAS 45f (Aqua Regia) Cert												
OREAS 45f (Aqua Regia) Meas												
OREAS 45f (Aqua Regia) Cert												
OREAS 45f (Aqua Regia) Meas												
OREAS 45f (Aqua Regia) Cert												
OREAS 263 (Aqua Regia) Meas							0.55	34.9	0.57	10.6	1.3	160
OREAS 263 (Aqua Regia) Cert							0.530	34.0	0.570	10.6	1.28	170
WPT69 Orig												
WPT69 Dup												
Method Blank												
Method Blank												
Method Blank												
Method Blank												
Method Blank												
Method Blank	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	4.5	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	40
Method Blank												

Final Report

Report Number: A20-16280

Activation Laboratories

Report Date: 14/1/2021

Analyte Symbol	Pd	Pt	Au	Ag	Cd
Unit Symbol	ppb	ppb	ppb	ppm	ppm
Detection Limit	1	1	2	0.2	0.5
Analysis Method	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP
WPT69	< 1	< 1	< 2	< 0.2	< 0.5
WPT83A	< 1	< 1	3	0.2	< 0.5
WPY89	< 1	< 1	< 2		
FOGQZ	< 1	< 1	7		

Analyte Symbol	Cu	Mn	Mo	Ni	Pb
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	5	1	1	2
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT69	8	145	< 1	23	< 2
WPT83A	101	347	4	33	< 2
WPY89					
FOGQZ					

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Analyte Symbol	Zn	Al	As	B	Ba
Unit Symbol	ppm	%	ppm	ppm	ppm
Detection Limit	2	0.01	2	10	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT69	18	0.49	< 2	< 10	20
WPT83A	52	1.64	< 2	< 10	72
WPY89					
FOGQZ					

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Analyte Symbol	Be	Bi	Ca	Co	Cr
Unit Symbol	ppm	ppm	%	ppm	ppm
Detection Limit	0.5	2	0.01	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT69	< 0.5	< 2	0.18	22	47
WPT83A	< 0.5	< 2	1.11	23	36
WPY89					
FOGQZ					

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Analyte Symbol	Fe	Ga	Hg	K	La
Unit Symbol	%	ppm	ppm	%	ppm
Detection Limit	0.01	10	1	0.01	10
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT69	1.84	< 10	< 1	0.04	< 10
WPT83A	4.73	< 10	< 1	0.37	< 10
WPY89					
FOGQZ					

Analyte Symbol	Mg	Na	P	S	Sb
Unit Symbol	%	%	%	%	ppm
Detection Limit	0.01	0.001	0.001	0.01	2
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT69	0.37	0.033	0.019	0.14	< 2
WPT83A	1.17	0.156	0.1	0.68	3
WPY89					
FOGQZ					

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Analyte Symbol	Sc	Sr	Ti	Th	Te
Unit Symbol	ppm	ppm	%	ppm	ppm
Detection Limit	1	1	0.01	20	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT69	2	9	0.1	< 20	2
WPT83A	9	20	0.21	< 20	< 1
WPY89					
FOGQZ					

Analyte Symbol	Tl	U	V	W	Y
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	10	1	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WPT69	< 2	< 10	26	< 10	2
WPT83A	< 2	< 10	100	< 10	10
WPY89					
FOGQZ					

Analyte Symbol	Zr	Li	Be	B	Na
Unit Symbol	ppm	ppm	ppm	ppm	%
Detection Limit	1	0.1	0.1	1	0.001
Analysis Method	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS
WPT69	2				
WPT83A	4				
WPY89		2.7	0.2	3	0.021
FOGQZ		2.1	0.2	2	0.043

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Analyte Symbol	Mg	Al	P	S	K
Unit Symbol	%	%	%	%	%
Detection Limit	0.01	0.01	0.001	0.001	0.01
Analysis Method	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS
WPT69					
WPT83A					
WPY89	0.28	0.21	0.003	0.001	0.01
FOGQZ	0.11	0.21	0.014	0.154	0.06

Analyte Symbol	Ca	V	Cr	Ti	Mn
Unit Symbol	%	ppm	ppm	%	ppm
Detection Limit	0.01	1	1	0.01	1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS
WPT69					
WPT83A					
WPY89	0.12	11	48	0.02	149
FOGQZ	0.04	6	38	0.03	70

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Analyte Symbol	Fe	Co	Ni	Cu	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.1	0.1	0.2	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT69					
WPT83A					
WPY89	0.85	2	6.5	6.8	12.8
FOGQZ	1.28	3.9	3.2	8.2	12.8

Analyte Symbol	Ga	Ge	As	Se	Rb
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.02	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT69					
WPT83A					
WPY89	1.7	0.1	0.7	0.5	0.7
FOGQZ	0.99	< 0.1	0.9	0.8	4

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Analyte Symbol	Sr	Y	Zr	Sc	Pr
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.5	0.01	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT69					
WPT83A					
WPY89	10	0.51	0.9	3.2	0.2
FOGQZ	7.1	1.38	15.9	0.7	0.9

Analyte Symbol	Gd	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT69					
WPT83A					
WPY89	0.1	< 0.1	< 0.1	< 0.1	< 0.1
FOGQZ	0.4	0.3	< 0.1	0.1	< 0.1

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Analyte Symbol	Nb	Mo	Ag	Cd	In
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.01	0.002	0.01	0.02
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT69					
WPT83A					
WPY89	0.4	0.9	0.006	< 0.01	< 0.02
FOGQZ	0.3	1.42	0.067	< 0.01	< 0.02

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Analyte Symbol	Sn	Sb	Te	Cs	Ba
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.02	0.02	0.02	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT69					
WPT83A					
WPY89	0.22	0.03	< 0.02	0.09	4.3
FOGQZ	0.14	0.03	0.03	0.36	36.7

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Analyte Symbol	La	Ce	Nd	Sm	Eu
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.5	0.01	0.02	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT69					
WPT83A					
WPY89	1.1	3.17	0.78	0.1	< 0.1
FOGQZ	3.3	9.57	3.39	0.3	0.1

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Analyte Symbol	Tb	Yb	Lu	Hf	Ta
Unit Symbol	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT69					
WPT83A					
WPY89	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05
FOGQZ	< 0.1	0.1	< 0.1	0.5	< 0.05

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Analyte Symbol	W	Re	Au	Tl	Pb
Unit Symbol	ppm	ppm	ppb	ppm	ppm
Detection Limit	0.1	0.001	0.5	0.02	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
WPT69					
WPT83A					
WPY89	0.1	< 0.001	5.6	< 0.02	0.3
FOGQZ	0.2	< 0.001	6.9	0.03	4.9

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Analyte Symbol	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppb
Detection Limit	0.02	0.1	0.1	10
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS
WPT69				
WPT83A				
WPY89	0.03	< 0.1	< 0.1	50
FOGQZ	0.24	1.5	0.3	40